



**Catalina Espino  
Devine**  
Project Manager  
Marketing Business Unit

**Chevron Environmental  
Management Company**  
6101 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 790-3949  
espino@chevron.com

Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0020  
1633 Harrison Street  
Oakland, CA

**RECEIVED**

8:30 am, Nov 14, 2012

Alameda County  
Environmental Health

I have reviewed the attached report dated November 9, 2012.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

A handwritten signature in black ink, appearing to read "Catalina M." with a stylized flourish at the end.

Catalina Espino Devine  
Project Manager

Attachment: Report



## REMEDIATION PROGRESS REPORT FOR SITE REDEVELOPMENT ACTIVITIES

FORMER CHEVRON SERVICE STATION 90020  
1633 HARRISON STREET  
OAKLAND, CALIFORNIA  
Fuel Leak Case No. RO0000143

**Prepared For:**

**Mr. Mark Detterman**  
**Alameda County Environmental Health Services (ACEHS)**  
**1131 Harbor Bay Parkway, Suite 250**  
**Alameda, CA 94502-6577**

**NOVEMBER 9, 2012**  
**REF. NO. 311956 (16)**

This report is printed on recycled paper

**Prepared by:**  
**Conestoga-Rovers**  
**& Associates**

5900 Hollis Street, Suite A  
Emeryville, California  
U.S.A. 94608

Office: (510) 420-0700  
Fax: (510) 420-9170

web: <http://www.CRAworld.com>



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FORMER CHEVRON SERVICE STATION 90020  
1633 HARRISON STREET  
OAKLAND, CALIFORNIA  
Fuel Leak Case No. RO0000143



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Nathan Lee, PG 8486

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## 1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) has prepared this *Remediation Progress Report for Site Redevelopment Activities* on behalf of Chevron Environmental Management Company (Chevron) for the former Chevron Service Station 9-0020 located at 1633 Harrison Street, Oakland, California (the site) as requested by the Alameda County Environmental Health Services (ACEH) in a letter dated August, 2, 2012 (Appendix A). A report due date extension of November 9, 2012 was approved by ACEH in an email dated October 24, 2012 (Appendix A). CRA completed environmental oversight during the Oakland Housing Authority (OHA) redevelopment between January 2011 and August 2011. CRA completed the following tasks: stockpile and confirmation soil sampling; waste profiling, coordinate transportation, and disposal of waste; and excavation oversight. The site background and summary of environmental oversight during OHA's redevelopment activities are presented below.

### 1.1 SITE DESCRIPTION AND BACKGROUND

#### *Site History*

The site is a former Chevron service station located on the southwest corner of the intersection of Harrison and 17<sup>th</sup> Streets in Oakland, California. The site is located downtown in an area of commercial and multi-unit residential land use (Figure 1). Chevron operated a service station on the site until 1972 with at least two different facility configurations (Figure 2). All facilities were removed at the time of station closure sometime between 1972 and 1975. Since December 1, 1975, the site was a parking lot, and was redeveloped as a multi-level senior housing facility by OHA.

#### *Previous Environmental Work*

A total of 26 soil borings, 17 groundwater monitoring wells, and seven soil vapor probes have been advanced for site assessment (Figure 2). Three phases of remedial excavation were previously completed in 1992 and 2008 and removed approximately 1,240 cubic yards of soil. A summary of environmental investigation and remediation conducted is included in Appendix B.

### 1.2 SITE GEOLOGY

The site is located along the eastern margin of the San Francisco Bay and is within the East Bay Plain. The East Bay Plain lies within the Coast Range Geomorphic Province and is characterized by broad alluvial fan margins slopping westward towards the

San Francisco Bay. The site is underlain by Holocene and Pleistocene alluvial fan deposits, underlain by Franciscan Formation bedrock at depth.<sup>1</sup> Soil beneath the site and site vicinity consist primarily of silty sands with some intermittent sandy, clayey, and gravelly silt to approximately 35 feet below grade (fbg). Local topography is flat and the site is approximately 35 feet above mean sea level.

### 1.3 SITE HYDROGEOLOGY

The site is located in the East Bay Plain Sub-basin of the Santa Clara Groundwater Basin. The cumulative aquifer thickness in the vicinity is approximately 1,000 feet, consisting of unconsolidated sediments.<sup>1</sup> Groundwater in the region has been designated as potentially beneficial for commercial, industrial, and residential uses.<sup>2</sup> The regional groundwater flow direction, based on the topography and natural drainage patterns in the area, appears to be towards Lake Merritt, located approximately 1,600 feet east of the site. Depth to groundwater has ranged from approximately 16 to 22 fbg. Groundwater flow direction is typically east to northeast at an approximate gradient of 0.01.

## 2.0 EXCAVATION AND SAMPLING ACTIVITIES

A summary of CRA environmental activities during OHA's redevelopment is presented in this section. Excavation and soil sample locations are depicted on Figures 3 and 4. Soil analytical data is presented on Table 1 and analytical laboratory reports are presented in Appendix C. Waste manifests are presented in Appendix D and E.

### *Site Health and Safety Plan*

CRA performed all work under the guidelines set forth in a comprehensive site health and safety plan. The plan was reviewed and signed by all site workers and visitors and kept onsite at all times.

### *Permits*

CRA worked under all permits obtained by the OHA.

---

<sup>1</sup> California's Groundwater Bulletin 118; State of California Department of Water Resources; February 27, 2004.

<sup>2</sup> Table 2-2 Existing and Potential Beneficial Uses in Groundwater in Identified Basins; Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin; California Regional Water Quality Control Board San Francisco Bay Region, January 18, 2007.

### *CRA Personnel*

CRA tasks were completed were under the oversight of Mr. Nathan Lee, a California licensed geologist.

### *Contractor*

CRA contracted Integrated Waste Stream Management (IWM) of San Jose, California for excavation activities and transportation of waste generated during the excavations and redevelopment activities.

## **2.1 JANUARY 2011 ACTIVITIES**

### *Debris Pit Sampling*

On January 3 through January 5, 2011 OHA excavated the former fuel underground storage tank (UST) pit to collect soil confirmation samples as requested by the ACEH, Following the fuel UST removals, the pit was backfilled with debris generated from the station demolition and has been referred to as the "debris pit".

CRA collected soil samples from the debris pit excavation area (Figure 3) at depths between approximately 9 and 14 fbg: side wall samples TSW-1, TSW-3, TSW-5, TSW-6, TSW-7, and TSW-8; and bottom samples TB-2, TB-4, TB-5, TB-6, and TB-7. The samples were analyzed for the following:

- Total petroleum hydrocarbons as diesel (TPHd) (with silica gel clean up) and total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015Bm
- Benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B

TPHd concentrations were detected below Regional Water Quality Control Board-San Francisco Bay Region (RWQCB) environmental screening levels (ESLS) in samples TSW-1, TB-2, TSW-3, TSW-5, and TB-7.<sup>3</sup> No other hydrocarbons were detected in the samples collected.

On January 6, 2011, a pipe was observed at the south corner of the debris pit, and soil sample TP-1 was collected in the area near the pipe. Only 2.2 milligram per kilogram (mg/kg) TPHd was detected, which is below the ESL.

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<sup>3</sup> RWQCB-SF, Screening for Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007, revised May 2008, Table G (soil leaching) and Table K-3 (construction worker).



### ***Soil Profiling for Debris Pit Excavation and Excavation Surrounding Sample SP-23***

Following OHA's request to reuse the soil excavated from the debris pit as a backfill, ACEH requested Chevron to segregate the soil into separate stockpiles, collect soil stockpile samples, and profile the stockpiled soil to determine whether it was acceptable for reuse. Soil samples SP-1 through SP-21 were collected from the stockpiles generated from the debris pit excavation (Figure 4). On January 11, 2011, surface soil samples SP-22 through SP-29 were collected across the site to profile additional soil for reuse (Figure 3). Soil samples were analyzed for the following:

- Total petroleum hydrocarbons as motor oil (TPHmo) by EPA Method 8015Bm (with silica gel clean up) (select samples)
- TPHd (with silica gel clean up) and TPHg by EPA Method 8015Bm
- BTEX, MTBE and naphthalene by EPA Method 8260B (select samples)
- Total lead by EPA 6010B (select samples)
- LUFT 5 Metals by EPA Method 6020B (select samples)

Soil data from SP-1 through SP-21 were compared to concentration limits presented in the Regional Water Quality Control Board (RWQCB's) *Draft Technical Reference Document, Characterization and Reuse of Petroleum Hydrocarbons Impact Soil as Inert Waste* dated October 20, 2006 (Technical Reference Document). Only low concentrations of TPHd were detected in samples SP-1 through SP-21 and did not exceed the concentration limits in the RWQCB Technical Reference Document. Based on these results, stockpiled soil represented by samples SP-1 through SP-21 was capable to be reused as backfill in the debris pit excavation. Table 1 presents the soil analytical results.

Surface soil as represented by soil samples SP-22 through SP-29 was not reused as backfill based on the analytical results (Table 1). Sample SP-23 had the highest TPHmo and TPHd detected. On January 25, 2011, CRA returned to the site to oversee the over-excavation of the soil around SP-23 (20 foot by 20 foot area). Soil sample X-3 was collected at the bottom of the excavation at approximately 3 fbg and no hydrocarbons were detected. Soil sample B-1 was collected from the soil stockpile generated during the over-excavation of soil sample SP-23 for waste profiling purposes. The soil generated from the over-excavation of sample SP-23 were stockpiled, transported, and disposed of at Republic Services - Keller Canyon Landfill, Pittsburg, California (Keller Canyon) on April 6, 2011.

Based on conversations with OHA, the upper two feet of soil across the site was removed during grading activities and transported off site by OHA.

On January 11, 2011, sample Debris-1 was collected at an area in the debris pit area where a bucket containing a viscous oily substance was encountered. The bucket and contents were placed in a 55-gallon Department of Transportation (DOT) drum, profiled, and transported to Clean Harbors (Clean Harbors), San Jose, California facility for disposal on April 6, 2011. This sample was analyzed for the following:

- TPHmo and TPHd (with silica gel clean up), and TPHg by EPA Method 8015Bm
- BTEX and MTBE by EPA Method 8021B
- BTEX and MTBE by EPA Method 8260B
- Total lead by EPA 6010B
- CAM-17 Metals by EPA Method 6020B

Sample Debris-1 was also re-analyzed for CAM-17 Metals by EPA Method 6020B due to elevated metals concentrations detected. SP-1 through SP-29 and Debris-1 soil analytical data are presented in Table 1.

### *Orphan Drum*

On January 25, 2011, during excavation activities an orphan drum was encountered (Figure 3). Soil staining was observed around the drum, and soil sample OT-1 was collected. On January 26, 2011 a sample was collected from the oily liquid inside the drum, designated OT-2 for waste profiling purposes.

On January 26, 2011 using a vacuum truck provided by IWM the drum's oily contents was removed. The drum's interior was triple rinsed and the rinsate was removed by the vacuum truck. The drum's contents and rinsate were stored on site in a 55 gallon DOT drums. These drums were transported to Clean Harbors facility for disposal (Appendix D).

The orphan drum was removed on April 6, 2011 under the observation of ACEH. The drum was transported to Schnitzer Steel, Oakland, California (Schnitzer Steel) for recycling. The soil surrounding the orphan drum was excavated to approximately 3 fbg and transported to Keller Canyon. Two confirmation soil samples were collected beneath the orphan drum. Sample OT-2 was taken at 2 fbg, and OT-3 was collected at 3 fbg (Figure 3). No hydrocarbons were detected in these samples (Table 1).

On April 6, 2011, a total of approximately 90 cubic yards of soil were transported and disposed of at Keller Canyon that were generated during the over-excavation of soil sample SP-23, and the soil surrounding the orphan drum. Waste manifests are presented in Appendix D.

#### ***Additional Soil Sampling in January 2011***

On January 4, 2011, sample EX-9 was collected near the former used-oil UST excavation completed in February 2008 (Figure 3) as requested by ACEH to characterize the soil west of the 2008 excavation. However, the building foundation footing was encountered before the depth of the 2008 excavation was reached; therefore a sample was collected at 5 fbg. No hydrocarbons were detected in this sample.

During OHA's grading activities associated with the redevelopment of the site, CRA was asked to collect soil samples from areas where potential hydrocarbons were observed in the field. Table 1 presents the soil analytical results. Laboratory reports are included in Appendix C. A summary of these sampling activities is presented below.

On January 18, 2011, sample OHA-1 was collected from a soil stockpile at the request of the OHA. TPHmo was detected at 49 mg/kg and TPHd was detected at 16 mg/kg; these concentrations are below ESLs. No other hydrocarbons were detected in this sample.

## **2.2 MAY 2011 EXCAVATION ACTIVITIES**

On May 3, 2011, OHA's contractor encountered potential hydrocarbon-bearing soil in the area of the "May 2011 Excavation" depicted on Figure 3. CRA was contacted to investigate. CRA determined that the potential hydrocarbon-bearing soil extent was larger than anticipated after potholing with a backhoe to approximately 8 fbg and screening the soil using a photoionization detector (PID). Samples GT-1, GT-2, and GT-3 were collected at depths of 8 and 5 fbg. Also a three-point composite soil sample, C-1, was collected from the stockpiled soil generated during the potholing activities. Hydrocarbons were detected in samples GT-1, GT-2, GT-3, and C-1 above ESLs (Table 1). The potholed area was temporarily backfilled with the excavated soil until a larger excavation could be completed.

On May 27, 2011, CRA returned to oversee the excavation of the hydrocarbon-bearing soil observed on May 3, 2011. The lateral extent of the excavation is depicted on Figure 3 as "May 2011 Excavation". Soil sample locations GT-1 through GT-3 were over-excavated and are not depicted on Figure 3. The depth of the excavation was

approximately 12.5 fbg. Sidewall and bottom soil samples were collected between approximately 6 and 12.5 fbg. Only TPHmo and TPHd concentrations detected at OE-E-7 exceeded the soil leaching ESLs. Soil samples OE-E-7 and OE-E-10.4 were not over-excavated at the time since they were located in the area of a proposed elevator shaft. OHA and CRA decided to return to this area when the elevator shaft construction was complete. Approximately 234 cubic yards of soil were transported and disposed at Keller Canyon (Appendix E).

### **2.3 JUNE 2011 ACTIVITIES**

On June 10, 2011, an additional over-excavation in the area of OE-E-7 (elevator shaft construction area) was performed until soil staining was not observed. Confirmation soil samples OE-E2-C at 12 fbg and OE-E2-6 at 6 fbg were collected (Figure 3). TPHmo and TPHd were detected in OE-E2-C; however, no ESLs were exceeded. Approximately 18 cubic yards of soil was over-excavated and transported to Keller Canyon (Appendix E).

### **2.4 AUGUST 2012 ACTIVITIES**

OHA completed redevelopment of the sidewalk area in August 2012. CRA did not complete any sampling because no potential hydrocarbon-bearing soil was observed.

## **3.0 SUMMARY**

OHA has completed construction of the multi-level senior housing facility. All petroleum hydrocarbon detections that exceeded ESLs were excavated, transported, and disposed of offsite. A total of approximately 342 cubic yards of soil were transported and disposed of at Keller Canyon during redevelopment activities. One orphan drum was encountered, cleaned, transported, and disposed of at Schnitzer Steel. Soils from the debris pit excavation and grading activities that were below the RWQCB's Technical Reference Document were reused onsite.

## FIGURES

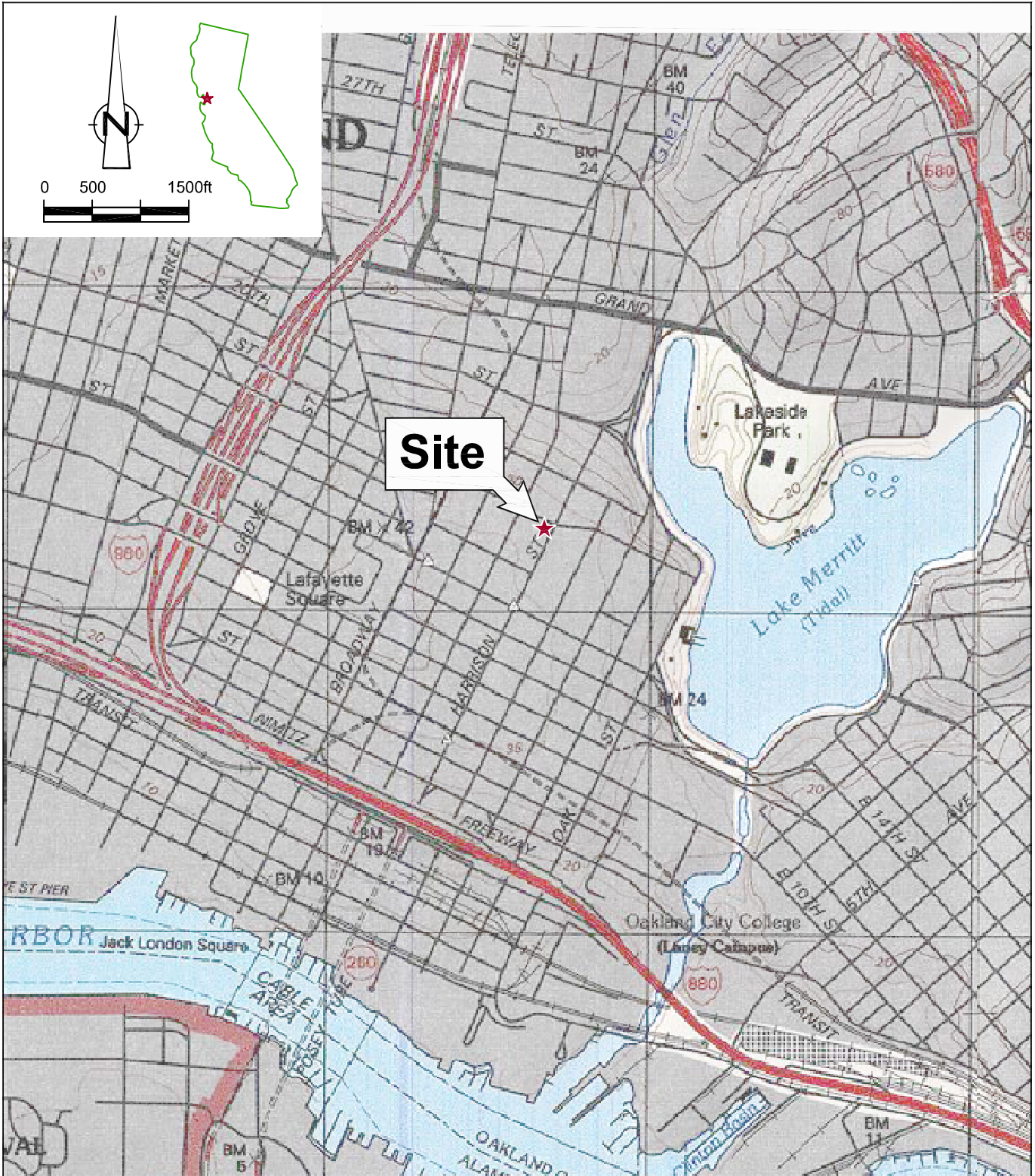


Figure 1  
 VICINITY MAP  
 FORMER CHEVRON SERVICE STATION 90020  
 1633 HARRISON STREET  
 Oakland, California



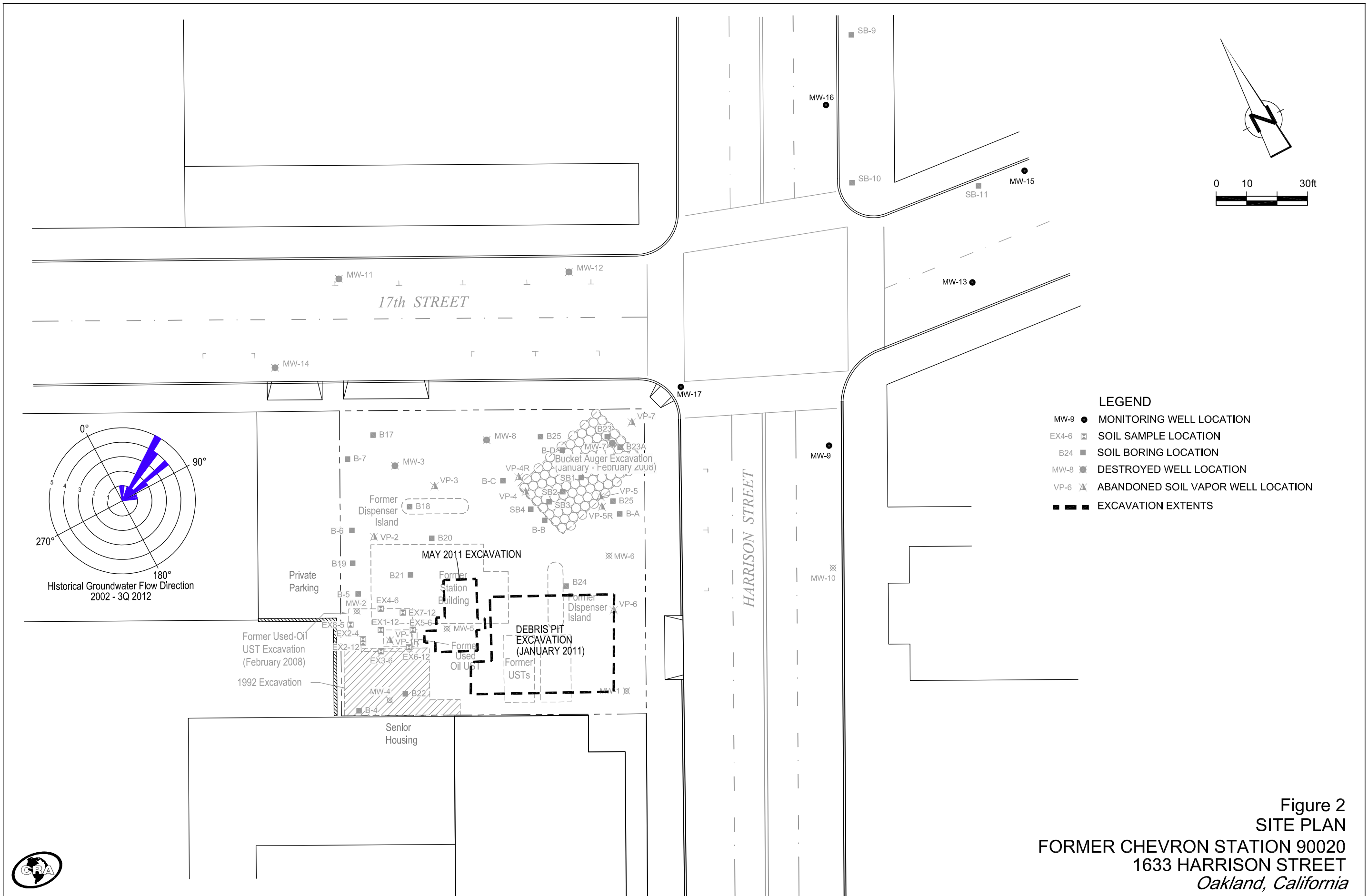


Figure 2  
 SITE PLAN  
 FORMER CHEVRON STATION 90020  
 1633 HARRISON STREET  
 Oakland, California







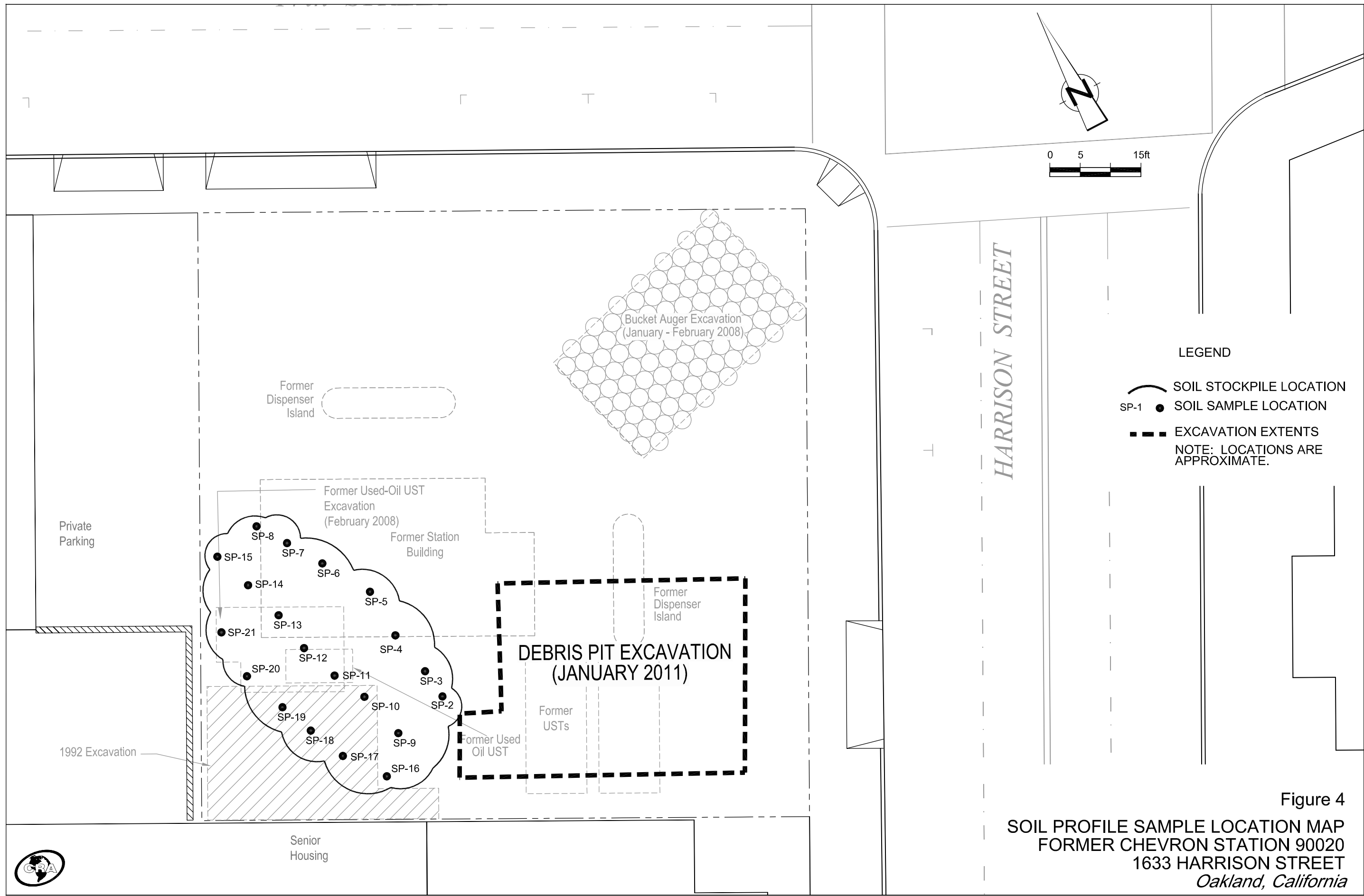


Figure 4  
 SOIL PROFILE SAMPLE LOCATION MAP  
 FORMER CHEVRON STATION 90020  
 1633 HARRISON STREET  
 Oakland, California



## TABLE

**TABLE 1**  
**SITE REDEVELOPMENT ANALYTICAL DATA**  
**FORMER CHEVRON SERVICE STATION 90020**  
**1633 HARRISON STREET**  
**OAKLAND, CALIFORNIA**

Sample ID	Sample Date	Sample Depth (fbg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	Cd (mg/kg)	Cr (III) (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)
ESL: Soil Leaching, Current or potential drinking water source (Table G)			NE	83	83	0.044	2.9	3.3	2.3	0.023	NE	NE	NE	NE	NE	NE
ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			12,000	4,200	4,200	12	650	210	420	2,800	NE	39	1,200,000	750	260	23,000
<b>Debris Pit Excavation Sampling</b>																
TSW-1	01/03/11	11.0	--	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--
TB-2	01/04/11	10.5	--	53	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--
TSW-3	01/04/11	11.0	--	27	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--
TB-4	01/04/11	9.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--
TB-5	01/05/11	14.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
TSW-5	01/04/11	9.0	--	42	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--
TB-6	01/05/11	14.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
TSW-6	01/04/11	9.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--
TB-7	01/05/11	14.0	--	4.7	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
TSW-7	01/05/11	10.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
TSW-8	01/05/11	10.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
TP-1	01/06/11	--	--	2.2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
<b>Soil Sample Near former Used-Oil UST Excavation (February 2008)</b>																
EX-9	01/04/11	5.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	0.550	16.4	2.60	84.2	38.8
<b>Soil Stockpile Samples</b>																
SP-1	01/05/11	--	--	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	27	--	--
SP-2	01/06/11	--	--	14	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-3	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-4	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-5	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-6	01/06/11	--	--	55	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-7	01/06/11	--	--	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-8	01/06/11	--	--	40	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--

**TABLE 1**  
**SITE REDEVELOPMENT ANALYTICAL DATA**  
**FORMER CHEVRON SERVICE STATION 90020**  
**1633 HARRISON STREET**  
**OAKLAND, CALIFORNIA**

Sample ID	Sample Date	Sample Depth (fbg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	Cd (mg/kg)	Cr (III) (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)
ESL: Soil Leaching, Current or potential drinking water source (Table G)			NE	83	83	0.044	2.9	3.3	2.3	0.023	NE	NE	NE	NE	NE	NE
ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			12,000	4,200	4,200	12	650	210	420	2,800	NE	39	1,200,000	750	260	23,000
SP-9	01/06/11	--	--	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-10	01/06/11	--	--	57	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-11	01/06/11	--	--	23	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-12	01/06/11	--	--	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-13	01/06/11	--	--	18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-14	01/06/11	--	--	7.9	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-15	01/06/11	--	--	3.6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-16	01/06/11	--	--	12	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-17	01/06/11	--	--	11	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-18	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-19	01/06/11	--	--	7.1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-20	01/06/11	--	--	6.4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
SP-21	01/06/11	--	--	11	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
OHA-1	01/18/11	--	49	16	<1.0	--	--	--	--	--	--	<1.5	36	48	23	56
B-1	01/25/11	--	72	12	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	8.6	--	--
<b>Additional Soil Profile Samples</b>																
SP-23	01/11/11	--	3,700	320	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.25	39	<5.0	18	14
SP-24	01/11/11	--	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	<5.0	--	--
SP-25	01/11/11	--	12	2.4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	5.2	--	--
SP-26	01/11/11	--	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	<5.0	--	--
SP-27	01/11/11	--	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	<5.0	--	--
SP-28	01/11/11	--	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	<5.0	--	--
SP-29	01/11/11	--	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	<5.0	--	--
Debris-1	01/11/11	--	160,000	34,000	530	<0.020	0.17	0.21	1.9	<0.020	--	21	27	5,400	24	2,100
Debris-1-Rerun	01/11/11	--	--	--	--	--	--	--	--	--	--	12	46	1,400	35	800

**TABLE 1**  
**SITE REDEVELOPMENT ANALYTICAL DATA**  
**FORMER CHEVRON SERVICE STATION 90020**  
**1633 HARRISON STREET**  
**OAKLAND, CALIFORNIA**

Sample ID	Sample Date	Sample Depth (ft)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	Cd (mg/kg)	Cr (III) (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)
ESL: Soil Leaching, Current or potential drinking water source (Table G)			NE	83	83	0.044	2.9	3.3	2.3	0.023	NE	NE	NE	NE	NE	NE
ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			12,000	4,200	4,200	12	650	210	420	2,800	NE	39	1,200,000	750	260	23,000
<b>Additional Excavation Soil Samples</b>																
X-3	01/25/11	3.0	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	6.6	--	--
OT-1 <sup>1</sup>	01/25/11	0	<b>75,000</b>	<b>14,000</b>	<b>1,900</b>	<b>&lt;2.0</b>	<b>14</b>	<b>5.0</b>	<b>32</b>	<b>&lt;2.0</b>	<b>17</b>	<b>1.3</b>	<b>30</b>	<b>110</b>	<b>11</b>	<b>360</b>
OT-2-Oily Liquid <sup>1,2</sup>	01/26/11	--	<b>380,000</b>	<b>130,000</b>	<b>72,000</b>	<b>45</b>	<b>430</b>	<b>210</b>	<b>1400</b>	<b>&lt;25</b>	<b>900</b>	<b>0.80</b>	<b>&lt;0.5</b>	<b>500</b>	<b>&lt;0.5</b>	<b>330</b>
OT-2	04/06/11	2.0	<5.0	<1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	<1.5	52	<5.0	38	23
OT-3	04/06/11	3.0	<5.0	<1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	<1.5	71	<5.0	55	39
GT-1-8 <sup>3</sup>	05/03/11	8.0	<b>9,600</b>	<b>2,100</b>	<b>420</b>	<b>0.12</b>	<b>1.0</b>	<b>1.3</b>	<b>5.1</b>	<b>&lt;0.10</b>	--	<b>&lt;0.25</b>	<b>64</b>	<b>29</b>	<b>41</b>	<b>24</b>
GT-2-5 <sup>3</sup>	05/03/11	5.0	<b>260</b>	<b>40</b>	<b>2.6</b>	<b>&lt;0.005</b>	<b>&lt;0.005</b>	<b>&lt;0.005</b>	<b>0.0082</b>	<b>&lt;0.005</b>	--	<b>&lt;0.25</b>	<b>65</b>	<b>11</b>	<b>50</b>	<b>36</b>
GT-3-5 <sup>3</sup>	05/03/11	5.0	<b>5,100</b>	<b>1,100</b>	<b>110</b>	<b>&lt;0.10</b>	<b>&lt;0.10</b>	<b>0.49</b>	<b>1.2</b>	<b>&lt;0.10</b>	--	<b>&lt;0.25</b>	<b>74</b>	<b>65</b>	<b>59</b>	<b>49</b>
C-1 (stockpile)	05/03/11	--	<b>15,000</b>	<b>2,200</b>	<b>150</b>	<b>&lt;0.25</b>	<b>0.64</b>	<b>1.2</b>	<b>5.9</b>	<b>&lt;0.25</b>	--	<b>&lt;1.5</b>	<b>52</b>	<b>940</b>	<b>28</b>	<b>110</b>
OE-E-10.4	05/27/11	10.4	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	61	<5.0	47	24
OE-E-7	05/27/11	7.0	<b>1,600</b>	<b>270</b>	<b>4.1</b>	<b>&lt;0.005</b>	<b>0.015</b>	<b>&lt;0.005</b>	<b>0.018</b>	<b>&lt;0.05</b>	--	<b>&lt;1.5</b>	<b>76</b>	<b>140</b>	<b>38</b>	<b>33</b>
OE-N-7	05/27/11	7.0	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	62	<5.0	36	25
OE-C-12.5	05/27/11	12.5	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	45	<5.0	51	18
OE-5-7.8	05/27/11	7.8	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	100	<5.0	34	20
OE-W-6.3	05/27/11	6.3	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	70	<5.0	39	27
OE-W-11.4	05/27/11	11.4	8.2	2.1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	43	<5.0	41	19
OE-W2-6.3	05/27/11	6.3	11.0	2.6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	61	<5.0	33	22
OE-E2-C	06/10/11	12.5	18.0	2.2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	68	<5.0	48	27
OE-E2-6	06/10/11	6.0	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	<1.5	51	<5.0	44	21

**TABLE 1**  
**SITE REDEVELOPMENT ANALYTICAL DATA**  
**FORMER CHEVRON SERVICE STATION 90020**  
**1633 HARRISON STREET**  
**OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Sample Date</i>	<i>Sample Depth (fbg)</i>	<i>TPHmo (mg/kg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>Benzene (mg/kg)</i>	<i>Toluene (mg/kg)</i>	<i>Ethyl-benzene (mg/kg)</i>	<i>Total Xylenes (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>Naphthalene (mg/kg)</i>	<i>Cd (mg/kg)</i>	<i>Cr (III) (mg/kg)</i>	<i>Pb (mg/kg)</i>	<i>Ni (mg/kg)</i>	<i>Zn (mg/kg)</i>
ESL: Soil Leaching, Current or potential drinking water source (Table G)			NE	83	83	0.044	2.9	3.3	2.3	0.023	NE	NE	NE	NE	NE	NE
ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			12,000	4,200	4,200	12	650	210	420	2,800	NE	39	1,200,000	750	260	23,000

Notes

Total Petroleum hydrocarbons as Diesel (TPHd) and total petroleum hydrocarbons as Motor Oil (TPHmo) by EPA method 8015B mod with silica gel cleanup unless otherwise noted.

Total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015 unless otherwise noted.

Benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl alcohol (MTBE), and Naphthalene by EPA method 8260 unless otherwise noted.

Cadmium (Cm), trivalent chromium (Cr (III)), lead (Pb), nickel (Ni), and zinc (Zn) by EPA Method 6010B, unless otherwise noted.

Strikethrough = Sample location overexcavated

fbg = Feet below grade.

mg/kg = Milligrams per kilogram

Bold = Concentration exceeds applicable ESL

<x = Not detected above lab detection limit.

-- = Not analyzed or not applicable.

1 = Cadmium (Cm), trivalent chromium (Cr (III)), lead (Pb), nickel (Ni), and zinc (Zn) by EPA Method 3050.

2 = Liquid sample, results reported in milligrams per liter (mg/L)

3 = Cadmium (Cm), trivalent chromium (Cr (III)), lead (Pb), nickel (Ni), and zinc (Zn) by EPA Method 6020.

APPENDIX A  
REGULATORY CORRESPONDENCE



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

August 2, 2012

Ms. Catalina Espino Devine  
Chevron Environmental Management  
6101 Bollinger Canyon Road  
San Ramon, CA 94583  
(Sent via electronic mail to: [espino@chevron.com](mailto:espino@chevron.com))

Mr. Shadrick Small  
Oakland Housing Authority  
1805 Harrison Street  
Oakland, CA 94612  
(Sent via electronic mail to: [ssmall@oakha.org](mailto:ssmall@oakha.org))

Subject: Request for Onsite Remediation Progress Report and Offsite Work Plan; Fuel Leak Case No. RO0000143 (Global ID # T0600100304), Chevron #9-0020, 1633 Harrison Street, Oakland, CA 94612

Dear Ms. Espino Devine and Mr. Small:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site, including the *Offsite Subsurface Investigation and Vapor Probe Destruction Report*, dated December 15, 2010, and the *First Semi-Annual 2012 Groundwater Monitoring and Sampling Report*, dated May 16, 2012 prepared by Conestoga-Rovers & Associates (CRA) of Rancho Cordova, California. Thank you for providing the report.

Based on the review of the case file ACEH requests that you address the following technical comments and send us the documents requested below.

#### **TECHNICAL COMMENTS**

- 1. Request for Remediation Progress Report** – Onsite remedial actions were essentially completed in early 2011 when the former tank pit in the southern portion of the site was excavated and demolition debris (concrete, asphalt, metal debris, and other items) previously used to fill the basin was excavated and removed, and residual contamination was overexcavated, and when a buried 55-gallon waste oil drum / UST was discovered, characterized, removed, and the vicinity overexcavated. It is understood that additional remedial and mitigation efforts may occur beneath the sidewalk immediately off the site. Consequently ACEH requests the submittal of a Remediation Progress Report for these actions within 60 days of remedial actions immediately offsite, or by the date identified below.
- 2. Request for Sensitive Receptor Survey** – Downgradient well MW-16 and soil bore SB9 (and SB10) were installed immediately adjacent to the Kaiser-Permanente underground parking structure. This can be considered a sensitive receptor as a “confined” space, and additional receptors may be present in the local area (these may include other underground structures such as basements or other structures, or may include sensitive land uses such as day care). As a consequence ACEH requests the submittal of a Sensitive Receptor Survey in the downgradient direction for a length of two blocks, and for a one block width (a two block total width) using Harrison Street as a center line, to determine these details. Please submit the Sensitive Receptor Survey, and incorporate the findings in to the work plan, by the date referenced below.
- 3. Request for Offsite Work Plan** – The downgradient extent of the dissolved groundwater plume remains undefined. Recent groundwater concentrations in downgradient well MW-16 were 11,000 µg/l TPHg and 33 µg/l benzene, while grab groundwater concentrations in soil bore SB9 (located further downgradient, and installed October 2010) were 5,100 µg/l TPHg and 82 µg/l



benzene. In accordance with previous ACEH directive letters, ACEH requests the submittal of a work plan by the date referenced below to undertake these actions. The work plan should utilize the results of the sensitive receptor survey to help define the scope of work.

The conclusions of the referenced *Offsite Subsurface Investigation and Vapor Probe Destruction Report* indicate that the northeast corner of the Harrison and 17<sup>th</sup> Street intersection (where the Kaiser-Permanente underground parking structure currently is located) was a historic gasoline service station. ACEH may have overlooked this information, but is not otherwise aware of this, nor does the site map out in Geotracker. ACEH requests that available information or reports be identified if already available, or submitted to both the ACEH ftp site and to Geotracker due to their potential relevance to the requested additional downgradient delineation, by the date identified below.

4. **Groundwater Monitoring Interval** – The referenced groundwater monitoring report recommended semi-annual groundwater monitoring of all wells, including new well MW-17 on a semi-annual basis using the first and third quarter of a year. ACEH is in general agreement with the proposed groundwater monitoring interval, and requests submittal of associated reports by the dates identified below.

#### **TECHNICAL REPORT REQUEST**

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

- **September 28, 2012** – Sensitive Receptor Survey and Work Plan (with electronic submittal of documentation of downgradient historic gasoline service station).  
File to be named: WP\_SWI\_R\_yyyy-mm-dd
- **October 12, 2012** – Remediation Progress Report  
File to be named: REM\_R\_yyyy-mm-dd
- **November 16, 2012** – Second Semi-Annual 2012 Groundwater Monitoring Report  
File to be named: GWM\_R\_yyyy-mm-dd
- **May 24, 2013** – First Semi-Annual 2013 Groundwater Monitoring  
File to be named: GWM\_R\_yyyy-mm-dd

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

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>. If your email address does not appear on the cover page of this notification, ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Ms. Espino Devine and Mr. Small  
RO0000143  
August 2, 2012, Page 3

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org).

Sincerely,



Digitally signed by Mark E. Detterman  
DN: cn=Mark E. Detterman, o, ou, email,  
c=US  
Date: 2012.08.02 15:16:21 -07'00'

Mark E. Detterman, PG, CEG  
Senior Hazardous Materials Specialist

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

cc: Tina Hariu, 5900 Hollis Street, Suite A, Emeryville, CA 94608  
(sent via electronic mail to [thariu@croworld.com](mailto:thariu@croworld.com))

Nathan Lee, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608  
(sent via electronic mail to [nlee@croworld.com](mailto:nlee@croworld.com))

Ms. Jeriann Alexander, FugroWest, Inc, 1000 Broadway, Suite 400, Oakland, CA 94607

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Suite 3341, Oakland, CA  
94612-2032 (sent via electronic mail to [lgriffin@oaklandnet.com](mailto:lgriffin@oaklandnet.com))

Karl Lauff, Christian Church Homes, 303 Hegenberger Road, Suite 201, Oakland, CA 94621-1419;  
(sent via electronic mail to [klauff@cchnc.org](mailto:klauff@cchnc.org))

Donna Drogos, (sent via electronic mail to [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))  
Mark Detterman (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))  
Electronic File, GeoTracker

## Attachment 1

### Responsible Party(ies) Legal Requirements/Obligations

#### REPORT REQUESTS

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

#### ELECTRONIC SUBMITTAL OF REPORTS

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

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

#### UNDERGROUND STORAGE TANK CLEANUP FUND

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

#### AGENCY OVERSIGHT

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

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>REVISION DATE:</b> July 20, 2010
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

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

## REQUIREMENTS

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

RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

## Submission Instructions

- 1) Obtain User Name and Password
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org)
  - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
  - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

**From:** Detterman, Mark, Env. Health [mailto:Mark.Detterman@acgov.org]  
**Sent:** Wednesday, October 24, 2012 1:29 PM  
**To:** Lee, Nathan  
**Cc:** Espino Devine, Catalina  
**Subject:** RE: RO 0143 Former Chevron Station 90020 1633 Harrison Street, Oakland - Remediation Progress Report Extension Request

Nathan,  
ACEH is in agreement that discussion of this site at the meeting may be beneficial; please use this email to document agreement. I'll update Geotracker shortly.  
Regards,

*Mark Detterman*  
*Senior Hazardous Materials Specialist, PG, CEG*  
*Alameda County Environmental Health*  
*1131 Harbor Bay Parkway*  
*Alameda, CA 94502*  
*Direct: 510.567.6876*  
*Fax: 510.337.9335*  
*Email: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

**From:** Lee, Nathan [mailto:nlee@croworld.com]  
**Sent:** Wednesday, October 24, 2012 12:15 PM  
**To:** Detterman, Mark, Env. Health  
**Cc:** Espino Devine, Catalina  
**Subject:** RE: RO 0143 Former Chevron Station 90020 1633 Harrison Street, Oakland - Remediation Progress Report Extension Request

Mark,

Conestoga-Rover and Associates (CRA) on behalf of Chevron Environmental Management Company (EMC) would like to request an extension for the Remediation Progress Report which was requested by Alameda County Environmental Health (ACEH) in their letter dated August 2, 2012 and due on October 26, 2012. The reason for this extension request is, CRA needed to verifying the large amount of data that was collected during the remedial and redevelopment activities. Also both CRA and EMC are preparing for a meeting with ACEH to discuss the sites within ACEH's jurisdiction. It would be beneficial to submit the report after the November 1, 2012 meeting with ACEH. Therefore an extension of **November 9, 2012** for the submittal of the Remedial Progress Report is requested.

Thanks,

**Nathan Lee, P.G.**  
**Conestoga-Rovers & Associates (CRA)**  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

Phone: 510.420.3333

Fax: 510.420.9170

Cell: 510.385.2499

Email: [nlee@CRAworld.com](mailto:nlee@CRAworld.com)

APPENDIX B

SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION

## SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION

### ***1988 Soil Vapor Survey Investigation***

EA Engineering, Science, and Technology, Inc. (EA) conducted a soil vapor survey in January 1988. A total of 22 samples were collected at 11 locations throughout the site. The highest hydrocarbon concentrations were detected in the vicinity of the former used oil underground storage tanks (UST) in the southwestern section of the site. Additional information is available in EA's January 27, 1988 *Soil Vapor Contaminant Assessment Report of Investigation*.

### ***1988 Monitoring Well Installation***

In October 1988, Western Geologic Resources (WGR) installed monitoring wells MW-1 through MW-3. Additional information is available in WGR's January 24, 1989 *Soil Sampling and Monitoring Well Installation Letter*.

### ***1989 Soil Boring and Monitoring Well Installation***

WGR installed five monitoring wells MW-4 through MW-8. Additional information is available in WGR's June 1989 *Subsurface Investigation*.

### ***June 1990 Offsite Well Installation***

WGR installed four offsite monitoring wells, MW-9 through MW-12, in June 1990. The purpose was to delineate the extent of hydrocarbons downgradient and crossgradient of the site. Additional information is available in WGR's July 1990 *Offsite Subsurface Investigation*.

### ***October 1991 Offsite Well Installation***

Pacific Environmental Group (PEG) installed monitoring well MW-13 to further evaluate the extent of the dissolved hydrocarbon plume, and upgradient monitoring well MW-14 to investigate suspected offsite origination of halogenated volatile organic compounds (HVOCs). Four soil borings (B-A through B-D) were advanced to assess the extent of hydrocarbons in the vicinity of well MW-7. Additional information is available in PEG's January 14, 1992 *Subsurface Investigation Report*.

### ***December 1991 Soil Vapor Extraction Feasibility Test***

PEG applied positive and negative pressures to well MW-4 using a regenerative blower and measured pressure response in surrounding wells. Soil vapor measurements and samples were collected. PEG recommended comparing additional remedial technologies. Additional information is available in PEG's April 1, 1992 *Soil Vapor Extraction Feasibility Test Letter*.



### ***November-December 1992 Offsite Well Installation***

Groundwater Technology, Inc. (GTI) installed offsite monitoring wells MW-15 and MW-16 to further delineate the dissolved hydrocarbon plume downgradient. Additional information is available in GTI's February 18, 1993 *Additional Environmental Assessment Report*.

### ***January 1992 Soil Excavation***

PEG oversaw removal of hydrocarbon impacted soil from the vicinity of well MW-4 and excavation of a 30 foot long by 5 foot deep trench across the area of the former USTs to confirm that the USTs had been removed from the site. Removal of the USTs was confirmed; however, construction debris (concrete slabs and piping) were observed in soils within the former UST pit. Additional information is available in PEG's June 2, 1992 *Soil Excavation Letter Report*.

### ***1992 Chlorinated Hydrocarbon Investigation***

Geraghty & Miller, Inc. (G-M) evaluated the volatile organic compound (VOC) distribution based on existing monitoring well data and analytical data from previous excavation. The report concluded that that VOCs detected in groundwater beneath the site were from an offsite source. Additional information is available in G-M's October 5, 1992 *Evaluation of Chlorinated Hydrocarbon Distribution*.

### ***July to December 1993 SVE Remediation System Installation and Operation***

A soil vapor extraction (SVE) system was installed and operated from July 1, 1993 through December 12, 1993. System evaluation showed minimal effectiveness due to low permeability soils. The system was shut down in December 1993, and all system equipment was removed in December 1996. Additional information is available in G-M's *Quarterly Groundwater Treatment System Compliance Report*.

### ***January 1998 Well Destructions***

PEG destroyed monitoring wells MW-1 through MW-6, MW-8, MW-10 through MW-12, and MW-14. All wells were over-drilled then tremmie grouted to the surface. Additional information is available in PEG's February 19, 1998 *Well Abandonments*.

### ***June 2004 Additional Subsurface Investigation***

In anticipation of future site development with subsurface parking, Cambria Environmental Technology, Inc., (Cambria) conducted an additional subsurface investigation to further define residual hydrocarbons in soil. A first generation dispenser island located approximately 15 feet upgradient of monitoring well MW-17 most likely was the source of the detected hydrocarbons in soil in the vicinity of well MW-7. Additional information is available in Cambria's October 14, 2004 *Subsurface Investigation Report*.

#### ***April 2007 Onsite Subsurface Investigation***

CRA advanced soil borings SB1 through SB4 upgradient of MW-7 to define the extent of hydrocarbons in soils. Additional information is available in CRA's May 25, 2007 *Onsite Subsurface Investigation Report*.

#### ***June 2007 Soil Vapor Survey Installation and Investigation***

CRA installed nested soil vapor probes VP-1 through VP-6. Soil and soil vapor samples were collected from all probes and the highest hydrocarbon concentrations in soil were detected in the vicinity of the former used oil UST. Additional information is available in CRA's June 28, 2007 *Vapor Probe Survey Report*.

#### ***January - March 2008 Excavations***

CRA oversaw the removal of hydrocarbon-bearing soil in the vicinity of well MW-7 and in the area of the previous used-oil UST between January and February 2008. Soil was removed using large diameter bucket augers and sealed with grout. On February 13 and 15, 2008, soil in the vicinity of the former used-oil UST was excavated with a backhoe. A total of approximately 922 cubic yards of soil were removed during these excavations. Well MW-7, and vapor probes VP-1, VP-4, and VP-5 were destroyed during the excavation. VP-1R, VP-4R, and VP-5R were installed to replace the original vapor probes. Additional information is available in CRA's July 11, 2008 *Remedial Activities Report*.

#### ***October 2009 Onsite Soil Borings and Vapor Probe Installation***

CRA advanced two soil borings, SB7 and SB8, downgradient of the second generation UST pit to further delineate hydrocarbons in soil and groundwater. CRA installed nested soil vapor probe VP-7 downgradient of the 2008 excavation extent. Analytical data from this investigation indicates the former second generation UST pit is not a source of residual petroleum hydrocarbons. Additional information is available in CRA's December 30, 2009 *Additional Onsite Investigation Report*.

#### ***January 2010 Attempted Offsite Well Installation***

CRA attempted to install an offsite downgradient monitoring well in the intersection of Harrison and 17<sup>th</sup> Streets. Underground utilities prevented the well installation in a location suitable to Alameda County Environmental Health (ACEH). CRA proposed an alternative method for the installation of the well. Additional information is available in CRA's July 9, 2010 *Work Plan Addendum for Monitoring Well Installation and Offsite Investigation*.

***March 2010 Revised Risk Assessment***

CRA submitted a *Revised Risk Assessment* in response to ACEH's request for additional evaluation of potential risk associated with total petroleum hydrocarbon concentrations. The risk assessment indicated that subsurface conditions do not pose a potential risk to future onsite residents. Additional information is available in CRA's March 9, 2010 *Revised Risk Assessment*.

***October 2010 Revised Risk Assessment***

CRA installed offsite groundwater monitoring well MW-17 and advanced offsite soil borings SB9 through SB11 to assess hydrocarbon concentrations downgradient of the site. CRA destroyed all onsite soil vapor probes destroyed soil vapor probes VP-1R, VP-2, VP-3, VP-4R, VP-5R, VP-6, and VP-7 to facilitate onsite redevelopment. Additional information is available in CRA's December 15, 2010 *Offsite Subsurface Investigation and Vapor Probe Destruction Report*

APPENDIX C  
LABORATORY ANALYTICAL REPORTS



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
		Date Received: 01/06/11
	Client Contact: Nathan Lee	Date Reported: 01/07/11
	Client P.O.:	Date Completed: 01/07/11

**WorkOrder: 1101102**

January 07, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **20** analyzed samples from your project: **#9-0020; 1633 Harrison St. 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McCAMPBELL ANALYTICAL, INC.**

1534 WILLOW PASS ROAD  
PITTSBURG, CA 94565-1701

Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Telephone: (877) 252-9262 Fax: (925) 252-9269

**CHAIN OF CUSTODY RECORD**

TURN AROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)   
Check if sample is effluent and "J" flag is required

Report To: [nlee@croworld.com](mailto:nlee@croworld.com) Bill To: 311956  
Company: CONESTOGA ROVERS AND ASSOCIATES  
E-Mail: [nlee@croworld.com](mailto:nlee@croworld.com)  
Tele: (510) 420 0700 Fax: (510) 420 9170  
Project #: Project Name: 9-0020  
Project Location: 1833 HARRISON ST, OAKLAND CA  
Sampler Signature: *[Signature]*

Analysis Request										Other	Comments						
BTEX & TPH as Gas (8015) <del>APPE</del>	TPH as Diesel (8015) w/silica Coel	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCS)	MTBE / BTEX ONLY (8011) 8260	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 524.2 / 624 / 8260 (VOCs)	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)	Filter sample for DISSOLVED metals analysis	NAPHTHALENE BY 8260	** Indicate here if these samples are potentially dangerous to handle:
SP-2					X											X	
SP-3																	
SP-4																	
SP-5																	
SP-6																	
SP-7																	
SP-8																	
SP-9																	
SP-10																	
SP-11																	
SP-12																	

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

Relinquished By: BELEW YIFRU	Date: 11/6/11	Time: 1:30	Received By: SECURED LOCATION
Relinquished By: BELEW YIFRU	Date: 11/6/11	Time: 3:00 PM	Received By: <i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:

ICE/r 4-4  
GOOD CONDITION  
HEAD SPACE ABSENT  
DECHLORINATED IN LAB  
APPROPRIATE CONTAINERS  
PRESERVED IN LAB  
VOAS O&G METALS OTHER  
PRESERVATION pH<2

RESULTS ALSO TO [BYIFRU@CRAWORLD.COM](mailto:BYIFRU@CRAWORLD.COM)





**McCAMPBELL ANALYTICAL, INC.**  
 1534 WILLOW PASS ROAD  
 PITTSBURG, CA 94565-1701  
 Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
 Telephone: (877) 252-9262 Fax: (925) 252-9269

**CHAIN OF CUSTODY RECORD**  
**TURN AROUND TIME**  RUSH 24 HR  48 HR  72 HR  5 DAY  
 GeoTracker EDF  PDF  Excel  Write On (DW)   
 Check if sample is effluent and "J" flag is required

Report To: [nlee@craworld.com](mailto:nlee@craworld.com) Bill To: 311956  
 Company: CONESTOGA ROVERS AND ASSOCIATES  
 E-Mail:  
 Tele: (510) 420 0700 Fax: (510) 420 9170  
 Project #: Project Name: 9-0020  
 Project Location: 1633 HARRISON ST OAKLAND CA  
 Sampler Signature: *[Signature]*

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other			
SP-13		1/6/11	12:38			X											**Indicate here if these samples are potentially dangerous to handle:  NAPHTHALENE BY 8260
SP-14			12:39														
SP-15			12:40														
SP-16			12:41														
SP-17			12:42														
SP-18			12:43														
SP-19			12:44														
SP-20			12:45														
SP-21			12:46														

Analysis Request:  
 TPH as Gas (400-8001 + 8015) ~~METH~~  
 TPH as Diesel (8015) WITH SILICA GEL CLE  
 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 402-8021) 8260  
 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 524.2 / 624 / 8260 (VOCs)  
 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)  
 Filter sample for DISSOLVED metals analysis  
 NAPHTHALENE BY 8260

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

Relinquished By: BELEW YIFRU	Date: 1/6/11	Time: 1:30	Received By: SECURED LOCATION
Relinquished By: BELEW YIFRU	Date: 1/6/11	Time: 3:10pm	Received By: <i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:

ICE/r 4-4  
 GOOD CONDITION  
 HEAD SPACE ABSENT  
 DECHLORINATED IN LAB  
 APPROPRIATE CONTAINERS  
 PRESERVED IN LAB  
 VOAS O&G METALS OTHER  
 PRESERVATION pH<2

RESULTS ALSO TO  
[byifru@craworld.com](mailto:byifru@craworld.com)

# McCampbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1101102

ClientCode: CETE

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

**Report to:**  
 Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-0700    FAX (510) 420-9170

**Email:** nlee@craworld.com  
 cc: byifru@craworld.com  
 PO:  
 ProjectNo: #9-0020; 1633 Harrison St. Oakland

**Bill to:**  
 Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**  
**Date Received: 01/06/2011**  
**Date Printed: 01/06/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1101102-001	SP-2	Soil	1/6/2011 12:27	<input type="checkbox"/>	A	A	A									
1101102-002	SP-3	Soil	1/6/2011 12:28	<input type="checkbox"/>	A		A									
1101102-003	SP-4	Soil	1/6/2011 12:29	<input type="checkbox"/>	A		A									
1101102-004	SP-5	Soil	1/6/2011 12:30	<input type="checkbox"/>	A		A									
1101102-005	SP-6	Soil	1/6/2011 12:31	<input type="checkbox"/>	A		A									
1101102-006	SP-7	Soil	1/6/2011 12:32	<input type="checkbox"/>	A		A									
1101102-007	SP-8	Soil	1/6/2011 12:33	<input type="checkbox"/>	A		A									
1101102-008	SP-9	Soil	1/6/2011 12:34	<input type="checkbox"/>	A		A									
1101102-009	SP-10	Soil	1/6/2011 12:35	<input type="checkbox"/>	A		A									
1101102-010	SP-11	Soil	1/6/2011 12:36	<input type="checkbox"/>	A		A									
1101102-011	SP-12	Soil	1/6/2011 12:37	<input type="checkbox"/>	A		A									
1101102-012	SP-13	Soil	1/6/2011 12:38	<input type="checkbox"/>	A		A									
1101102-013	SP-14	Soil	1/6/2011 12:39	<input type="checkbox"/>	A		A									
1101102-014	SP-15	Soil	1/6/2011 12:40	<input type="checkbox"/>	A		A									

**Test Legend:**

1	8260VOC_S	2	PREDF REPORT	3	TPH(D)WSG_S	4		5	
6		7		8		9		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 contain testgroup.

**Prepared by: Ana Venegas**

**Comments:** 24hr rush

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



# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1101102

ClientCode: CETE

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

**Report to:**  
 Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-0700    FAX (510) 420-9170

**Email:** nlee@craworld.com  
 cc: byifru@craworld.com  
 PO:  
 ProjectNo: #9-0020; 1633 Harrison St. Oakland

**Bill to:**  
 Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**  
**Date Received: 01/06/2011**  
**Date Printed: 01/06/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101102-015	SP-16	Soil	1/6/2011 12:41	<input type="checkbox"/>	A		A										
1101102-016	SP-17	Soil	1/6/2011 12:42	<input type="checkbox"/>	A		A										
1101102-017	SP-18	Soil	1/6/2011 12:43	<input type="checkbox"/>	A		A										
1101102-018	SP-19	Soil	1/6/2011 12:44	<input type="checkbox"/>	A		A										
1101102-019	SP-20	Soil	1/6/2011 12:45	<input type="checkbox"/>	A		A										
1101102-020	SP-21	Soil	1/6/2011 12:46	<input type="checkbox"/>	A		A										

**Test Legend:**

1	8260VOC_S	2	PREDF REPORT	3	TPH(D)WSG_S	4		5	
6		7		8		9		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 contain testgroup.

**Prepared by: Ana Venegas**

**Comments:** 24hr rush

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**  
Project Name: **#9-0020; 1633 Harrison St. Oakland**  
WorkOrder N°: **1101102** Matrix Soil

Date and Time Received: **1/6/2011 3:51:35 PM**  
Checklist completed and reviewed by: **Ana Venegas**  
Carrier: Client Drop-In

#### Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

#### Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 4.4°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE )

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

-----

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Comments:



# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Analyzed: 01/06/11-01/07/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101102

Lab ID	1101102-001A	1101102-002A	1101102-003A	1101102-004A	Reporting Limit for DF =1	
Client ID	SP-2	SP-3	SP-4	SP-5		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/Kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

### Surrogate Recoveries (%)

%SS1:	92	95	93	93	
%SS2:	105	104	105	105	
%SS3:	90	91	90	90	

### Comments

\* 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.

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Extracted: 01/06/11
		Date Analyzed: 01/06/11-01/07/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101102

Lab ID	1101102-005A	1101102-006A	1101102-007A	1101102-008A	Reporting Limit for DF =1	
Client ID	SP-6	SP-7	SP-8	SP-9		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/Kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

### Surrogate Recoveries (%)

%SS1:	93	92	94	91	
%SS2:	104	104	105	105	
%SS3:	91	89	91	93	

### Comments

\* 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.

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Analyzed: 01/06/11-01/07/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101102

Lab ID	1101102-009A	1101102-010A	1101102-011A	1101102-012A	Reporting Limit for DF =1	
Client ID	SP-10	SP-11	SP-12	SP-13		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/Kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

### Surrogate Recoveries (%)

%SS1:	92	89	88	88	
%SS2:	105	107	106	107	
%SS3:	92	114	114	112	

### Comments

\* 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.

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Analyzed: 01/06/11-01/07/11
		Date Extracted: 01/06/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101102

Lab ID	1101102-013A	1101102-014A	1101102-015A	1101102-016A	Reporting Limit for DF =1	
Client ID	SP-14	SP-15	SP-16	SP-17		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/Kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

### Surrogate Recoveries (%)

%SS1:	87	87	89	88	
%SS2:	106	106	107	105	
%SS3:	112	114	108	111	

### Comments

\* 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.

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Analyzed: 01/06/11-01/07/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101102

Lab ID	1101102-017A	1101102-018A	1101102-019A	1101102-020A	Reporting Limit for DF =1	
Client ID	SP-18	SP-19	SP-20	SP-21		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/Kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA

### Surrogate Recoveries (%)

%SS1:	88	88	90	87	
%SS2:	105	106	105	105	
%SS3:	107	108	110	109	

### Comments

\* 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.

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Analyzed: 01/06/11-01/07/11
		Date Extracted: 01/06/11

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

Extraction method SW5030B

Analytical methods SW8015Bm

Work Order: 1101102

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	SP-2	S	ND	1	101	
002A	SP-3	S	ND	1	100	
003A	SP-4	S	ND	1	100	
004A	SP-5	S	ND	1	98	
005A	SP-6	S	ND	1	101	
006A	SP-7	S	ND	1	102	
007A	SP-8	S	ND	1	105	
008A	SP-9	S	ND	1	103	
009A	SP-10	S	ND	1	107	
010A	SP-11	S	ND	1	108	
011A	SP-12	S	ND	1	108	
012A	SP-13	S	ND	1	107	
013A	SP-14	S	ND	1	105	
014A	SP-15	S	ND	1	108	
015A	SP-16	S	ND	1	106	
016A	SP-17	S	ND	1	107	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

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

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

%SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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







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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #9-0020; 1633 Harrison St. Oakland	Date Sampled: 01/06/11
	Client Contact: Nathan Lee	Date Received: 01/06/11
	Client P.O.:	Date Analyzed 01/06/01-01/07/11
		Date Extracted: 01/06/11

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up\*

Extraction method SW3550B/3630C

Analytical methods: SW8015B

Work Order: 1101102

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1101102-001A	SP-2	S	14	1	108	e7,e2
1101102-002A	SP-3	S	13	5	103	e7,e2
1101102-003A	SP-4	S	13	5	101	e7,e2
1101102-004A	SP-5	S	13	5	105	e7
1101102-005A	SP-6	S	55	5	104	e7,e2
1101102-006A	SP-7	S	16	5	92	e7,e2
1101102-007A	SP-8	S	40	10	99	e7,e2
1101102-008A	SP-9	S	16	1	104	e7,e2
1101102-009A	SP-10	S	57	5	106	e7,e2
1101102-010A	SP-11	S	23	5	102	e7,e2
1101102-011A	SP-12	S	15	5	103	e7,e2
1101102-012A	SP-13	S	18	5	106	e7,e2
1101102-013A	SP-14	S	7.9	1	106	e7,e2
1101102-014A	SP-15	S	3.6	1	112	e7
1101102-015A	SP-16	S	12	5	103	e7,e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

\* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

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

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: 55425

WorkOrder 1101102

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101038-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	80.1	81.1	1.24	81.1	78.4	3.29	70 - 130	30	70 - 130	30
Benzene	ND	0.050	112	110	1.53	111	109	1.60	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	87.2	93.1	6.50	87	86.2	0.961	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	112	111	0.715	111	110	1.03	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	102	94.1	7.76	102	101	0.915	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	101	100	0.831	100	98.3	1.93	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	110	105	4.73	106	106	0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	116	116	0	115	113	2.48	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	92.6	93.4	0.816	92.2	92.6	0.384	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	102	104	2.55	104	103	0.909	70 - 130	30	70 - 130	30
Toluene	ND	0.050	121	120	1.24	118	117	1.06	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	119	117	1.75	116	115	1.31	70 - 130	30	70 - 130	30
%SS1:	95	0.13	114	116	1.10	113	111	1.65	70 - 130	30	70 - 130	30
%SS2:	103	0.13	107	108	1.52	106	107	1.20	70 - 130	30	70 - 130	30
%SS3:	93	0.013	117	119	1.73	114	117	2.84	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 55425 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101102-001A	01/06/11 12:27 PM	01/06/11	01/06/11 7:37 PM	1101102-002A	01/06/11 12:28 PM	01/06/11	01/06/11 8:19 PM
1101102-003A	01/06/11 12:29 PM	01/06/11	01/06/11 9:01 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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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: Soil

QC Matrix: Soil

BatchID: 55467

WorkOrder 1101102

Table with columns: EPA Method SW8260B, Extraction SW5030B, Spiked Sample ID: 1101102-020a, Analyte, Sample mg/Kg, Spiked mg/Kg, MS % Rec., MSD % Rec., MS-MSD % RPD, LCS % Rec., LCSD % Rec., LCS-LCSD % RPD, and Acceptance Criteria (%).

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

BATCH 55467 SUMMARY

Summary table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed, Lab ID, Date Sampled, Date Extracted, Date Analyzed.

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55447

WorkOrder 1101102

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1101082-006A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	98.8	102	2.80	105	108	2.75	70 - 130	20	70 - 130	20
MTBE	ND	0.10	105	107	1.67	105	107	2.60	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.6	97.9	1.35	101	101	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	94.6	95.3	0.777	97.6	99.5	1.92	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.9	97	1.20	96.8	99	2.27	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	98.8	99.8	0.969	102	101	0.316	70 - 130	20	70 - 130	20
%SS:	100	0.10	108	106	1.79	109	104	4.47	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 55447 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101102-001A	01/06/11 12:27 PM	01/06/11	01/06/11 8:01 PM	1101102-002A	01/06/11 12:28 PM	01/06/11	01/06/11 8:31 PM
1101102-003A	01/06/11 12:29 PM	01/06/11	01/06/11 9:01 PM	1101102-004A	01/06/11 12:30 PM	01/06/11	01/06/11 9:30 PM
1101102-005A	01/06/11 12:31 PM	01/06/11	01/06/11 10:00 PM	1101102-006A	01/06/11 12:32 PM	01/06/11	01/06/11 10:30 PM
1101102-007A	01/06/11 12:33 PM	01/06/11	01/06/11 11:00 PM	1101102-008A	01/06/11 12:34 PM	01/06/11	01/06/11 11:30 PM
1101102-009A	01/06/11 12:35 PM	01/06/11	01/06/11 11:59 PM	1101102-010A	01/06/11 12:36 PM	01/06/11	01/07/11 12:59 AM
1101102-011A	01/06/11 12:37 PM	01/06/11	01/07/11 2:28 AM	1101102-012A	01/06/11 12:38 PM	01/06/11	01/07/11 2:57 AM
1101102-013A	01/06/11 12:39 PM	01/06/11	01/07/11 3:27 AM	1101102-014A	01/06/11 12:40 PM	01/06/11	01/07/11 3:57 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.

£ 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/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55466

WorkOrder 1101102

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1101102-020A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	89.2	90.2	1.03	105	90.9	14.7	70 - 130	20	70 - 130	20
MTBE	ND	0.10	114	102	10.5	99.2	104	4.74	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94	95.8	1.91	95.1	94.5	0.621	70 - 130	20	70 - 130	20
Toluene	ND	0.10	92.8	93.6	0.935	92.9	92.3	0.736	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	94.5	95.4	0.955	94.6	94	0.569	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	97.4	98.7	1.29	97.3	97	0.358	70 - 130	20	70 - 130	20
%SS:	103	0.10	97	84	14.8	94	88	6.14	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 55466 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101102-015A	01/06/11 12:41 PM	01/06/11	01/07/11 4:26 AM	1101102-016A	01/06/11 12:42 PM	01/06/11	01/07/11 4:56 AM
1101102-017A	01/06/11 12:43 PM	01/06/11	01/07/11 5:25 AM	1101102-018A	01/06/11 12:44 PM	01/06/11	01/07/11 5:55 AM
1101102-019A	01/06/11 12:45 PM	01/06/11	01/07/11 6:54 AM	1101102-020A	01/06/11 12:46 PM	01/06/11	01/07/11 7:24 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.

£ 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 SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55462

WorkOrder 1101102

Analyte	Extraction SW3550B/3630C								Spiked Sample ID: 1101098-001A			
	Sample mg/Kg	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
TPH-Diesel (C10-C23)	3.5	40	95.6	95.7	0.152	98.1	98.8	0.720	70 - 130	30	70 - 130	30
%SS:	109	25	113	113	0	94	95	1.03	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 55462 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101102-001A	01/06/11 12:27 PM	01/06/11	01/07/01 1:53 AM	1101102-002A	01/06/11 12:28 PM	01/06/11	01/06/01 9:22 PM
1101102-003A	01/06/11 12:29 PM	01/06/11	01/07/01 1:53 AM	1101102-004A	01/06/11 12:30 PM	01/06/11	01/07/11 10:51 AM
1101102-005A	01/06/11 12:31 PM	01/06/11	01/07/11 8:12 AM	1101102-006A	01/06/11 12:32 PM	01/06/11	01/07/11 1:42 PM
1101102-007A	01/06/11 12:33 PM	01/06/11	01/07/11 2:25 PM	1101102-008A	01/06/11 12:34 PM	01/06/11	01/06/01 9:22 PM
1101102-009A	01/06/11 12:35 PM	01/06/11	01/07/01 1:19 PM	1101102-010A	01/06/11 12:36 PM	01/06/11	01/07/01 1:19 PM
1101102-011A	01/06/11 12:37 PM	01/06/11	01/07/01 5:16 AM	1101102-012A	01/06/11 12:38 PM	01/06/11	01/07/01 6:24 AM
1101102-013A	01/06/11 12:39 PM	01/06/11	01/07/11 3:36 PM	1101102-014A	01/06/11 12:40 PM	01/06/11	01/07/11 5:54 AM
1101102-015A	01/06/11 12:41 PM	01/06/11	01/07/11 7:03 AM	1101102-016A	01/06/11 12:42 PM	01/06/11	01/07/01 3:37 PM
1101102-017A	01/06/11 12:43 PM	01/06/11	01/07/11 12:37 PM	1101102-018A	01/06/11 12:44 PM	01/06/11	01/07/11 8:12 AM
1101102-019A	01/06/11 12:45 PM	01/06/11	01/07/11 5:54 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.





**QC SUMMARY REPORT FOR SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55465

WorkOrder 1101102

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1101102-020A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	15	40	79.2	79	0.174	99.3	100	0.694	70 - 130	30	70 - 130	30
%SS:	100	25	102	108	5.44	95	96	0.815	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 55465 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101102-020A	01/06/11 12:46 PM	01/06/11	01/07/11 2:25 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 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.



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Reported: 01/12/11
	Client P.O.:	Date Completed: 01/12/11

**WorkOrder: 1101216**

January 12, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **8** analyzed samples from your project: **#311956; 9-0020**,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McC Campbell Analytical, Inc.**

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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101216**

**ClientCode: CETE**

WaterTrax     WriteOn     EDF     Excel     Fax     Email     HardCopy     ThirdParty     J-flag

Report to: Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-0700    FAX (510) 420-9170

Email: nlee@craworld.com  
 cc: byifru@craworld.com  
 PO:  
 ProjectNo: #311956; 9-0020

Bill to: Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

Requested TAT: **1 day**  
 Date Received: **01/11/2011**  
 Date Printed: **01/11/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101216-001	SP-22	Soil	1/11/2011 13:15	<input type="checkbox"/>	A	A	A	A									
1101216-002	SP-23	Soil	1/11/2011 13:20	<input type="checkbox"/>	A	A		A									
1101216-003	SP-24	Soil	1/11/2011 13:25	<input type="checkbox"/>	A	A		A									
1101216-004	SP-25	Soil	1/11/2011 13:30	<input type="checkbox"/>	A	A		A									
1101216-005	SP-26	Soil	1/11/2011 13:35	<input type="checkbox"/>	A	A		A									
1101216-006	SP-27	Soil	1/11/2011 13:40	<input type="checkbox"/>	A	A		A									
1101216-007	SP-28	Soil	1/11/2011 13:45	<input type="checkbox"/>	A	A		A									
1101216-008	SP-29	Soil	1/11/2011 13:50	<input type="checkbox"/>	A	A		A									

**Test Legend:**

1	MBTEX-8260B_S	2	PB_S	3	PREF REPORT	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

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

**Prepared by: Melissa Valles**

**Comments:**

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/11/2011 4:09:05 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1101216** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 5.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/11/11
	Client P.O.:	Date Analyzed 01/11/11-01/12/11

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

Extraction method SW5030B

Analytical methods SW8015Bm

Work Order: 1101216

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	SP-22	S	ND	1	100	
002A	SP-23	S	ND	1	105	
003A	SP-24	S	ND	1	104	
004A	SP-25	S	ND	1	105	
005A	SP-26	S	ND	1	78	
006A	SP-27	S	ND	1	104	
007A	SP-28	S	ND	1	108	
008A	SP-29	S	ND	1	104	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

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

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

%SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/11/11
	Client P.O.:	Date Analyzed: 01/11/11-01/12/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101216

Lab ID	1101216-001A	1101216-002A	1101216-003A	1101216-004A	Reporting Limit for DF =1	
Client ID	SP-22	SP-23	SP-24	SP-25		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
	Benzene	ND	ND	ND	ND	0.005
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

### Surrogate Recoveries (%)

%SS1:	94	92	94	94	
%SS2:	104	104	103	103	

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/11/11
	Client P.O.:	Date Analyzed: 01/11/11-01/12/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101216

Lab ID	1101216-005A	1101216-006A	1101216-007A	1101216-008A	Reporting Limit for DF =1	
Client ID	SP-26	SP-27	SP-28	SP-29		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	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

### Surrogate Recoveries (%)

%SS1:	93	92	93	94	
%SS2:	103	103	103	102	

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor





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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/11/11
	Client P.O.:	Date Analyzed: 01/12/11

### Lead by ICP\*

Extraction method: SW3050B

Analytical methods: SW6010B

Work Order: 1101216

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1101216-001A	SP-22	S	TOTAL	ND	1	94	
1101216-002A	SP-23	S	TOTAL	ND	1	92	
1101216-003A	SP-24	S	TOTAL	ND	1	96	
1101216-004A	SP-25	S	TOTAL	5.2	1	99	
1101216-005A	SP-26	S	TOTAL	ND	1	98	
1101216-006A	SP-27	S	TOTAL	ND	1	94	
1101216-007A	SP-28	S	TOTAL	ND	1	98	
1101216-008A	SP-29	S	TOTAL	ND	1	98	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.  
 TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.  
 DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard  
 DF = Dilution Factor



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		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/11/11
	Client P.O.:	Date Analyzed: 01/11/11-01/12/11

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up\*

Extraction method: SW3550B/3630C

Analytical methods: SW8015B

Work Order: 1101216

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1101216-001A	SP-22	S	ND	ND	1	112	
1101216-002A	SP-23	S	320	3700	50	104	e7
1101216-003A	SP-24	S	ND	ND	1	112	
1101216-004A	SP-25	S	2.4	12	1	110	e7,e2
1101216-005A	SP-26	S	ND	ND	1	113	
1101216-006A	SP-27	S	ND	ND	1	113	
1101216-007A	SP-28	S	ND	ND	1	112	
1101216-008A	SP-29	S	ND	ND	1	112	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

\* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

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

e2) diesel range compounds are significant; no recognizable pattern

e7) oil range compounds are significant



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55466

WorkOrder 1101216

Analyte	Extraction SW5030B		Spiked Sample ID: 1101102-020A									
	Sample mg/Kg	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
TPH(btex) <sup>£</sup>	ND	0.60	89.2	90.2	1.03	105	90.9	14.7	70 - 130	20	70 - 130	20
MTBE	ND	0.10	114	102	10.5	99.2	104	4.74	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94	95.8	1.91	95.1	94.5	0.621	70 - 130	20	70 - 130	20
Toluene	ND	0.10	92.8	93.6	0.935	92.9	92.3	0.736	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	94.5	95.4	0.955	94.6	94	0.569	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	97.4	98.7	1.29	97.3	97	0.358	70 - 130	20	70 - 130	20
%SS:	103	0.10	97	84	14.8	94	88	6.14	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 55466 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101216-001A	01/11/11 1:15 PM	01/11/11	01/11/11 9:12 PM	1101216-002A	01/11/11 1:20 PM	01/11/11	01/11/11 9:41 PM
1101216-003A	01/11/11 1:25 PM	01/11/11	01/11/11 10:12 PM	1101216-004A	01/11/11 1:30 PM	01/11/11	01/11/11 10:41 PM
1101216-005A	01/11/11 1:35 PM	01/11/11	01/12/11 11:15 AM	1101216-006A	01/11/11 1:40 PM	01/11/11	01/12/11 1:40 AM
1101216-007A	01/11/11 1:45 PM	01/11/11	01/12/11 2:10 AM	1101216-008A	01/11/11 1:50 PM	01/11/11	01/12/11 5:08 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.

£ 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 SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55530

WorkOrder 1101216

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101174-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	105	96.1	8.95	104	106	1.84	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	105	97.2	7.81	97.9	99.2	1.30	70 - 130	30	70 - 130	30
Toluene	ND	0.050	107	97.7	9.39	108	109	1.25	70 - 130	30	70 - 130	30
%SS1:	79	0.13	93	94	1.09	94	95	0.829	70 - 130	30	70 - 130	30
%SS2:	103	0.13	105	106	0.808	105	105	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 55530 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101216-001A	01/11/11 1:15 PM	01/11/11	01/11/11 8:42 PM	1101216-002A	01/11/11 1:20 PM	01/11/11	01/11/11 9:28 PM
1101216-003A	01/11/11 1:25 PM	01/11/11	01/11/11 10:10 PM	1101216-004A	01/11/11 1:30 PM	01/11/11	01/11/11 10:51 PM
1101216-005A	01/11/11 1:35 PM	01/11/11	01/11/11 11:33 PM	1101216-006A	01/11/11 1:40 PM	01/11/11	01/12/11 12:15 AM
1101216-007A	01/11/11 1:45 PM	01/11/11	01/12/11 12:56 AM	1101216-008A	01/11/11 1:50 PM	01/11/11	01/12/11 1:38 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101216

EPA Method SW6010B		Extraction SW3050B				BatchID: 55564			Spiked Sample ID: 1101216-008A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	ND	50	96.8	98.6	1.84	10	96.6	96	0.649	75 - 125	25	75 - 125	25
%SS:	98	500	95	99	4.08	500	93	93	0	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 55564 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101216-001A	01/11/11 1:15 PM	01/11/11	01/12/11 10:44 AM	1101216-002A	01/11/11 1:20 PM	01/11/11	01/12/11 10:47 AM
1101216-003A	01/11/11 1:25 PM	01/11/11	01/12/11 10:49 AM	1101216-004A	01/11/11 1:30 PM	01/11/11	01/12/11 10:51 AM
1101216-005A	01/11/11 1:35 PM	01/11/11	01/12/11 10:53 AM	1101216-006A	01/11/11 1:40 PM	01/11/11	01/12/11 10:55 AM
1101216-007A	01/11/11 1:45 PM	01/11/11	01/12/11 10:57 AM	1101216-008A	01/11/11 1:50 PM	01/11/11	01/12/11 10:26 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 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 SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55465

WorkOrder 1101216

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1101102-020A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	15	40	79.2	79	0.174	99.3	100	0.694	70 - 130	30	70 - 130	30
%SS:	100	25	102	108	5.44	95	96	0.815	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 55465 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101216-001A	01/11/11 1:15 PM	01/11/11	01/12/11 2:39 AM	1101216-002A	01/11/11 1:20 PM	01/11/11	01/12/11 11:58 AM
1101216-003A	01/11/11 1:25 PM	01/11/11	01/12/11 3:47 AM	1101216-004A	01/11/11 1:30 PM	01/11/11	01/12/11 4:55 AM
1101216-005A	01/11/11 1:35 PM	01/11/11	01/12/11 1:58 AM	1101216-006A	01/11/11 1:40 PM	01/11/11	01/12/11 3:06 AM
1101216-007A	01/11/11 1:45 PM	01/11/11	01/12/11 12:50 AM	1101216-008A	01/11/11 1:50 PM	01/11/11	01/11/11 11:42 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 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.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Reported: 01/12/11
	Client P.O.:	Date Completed: 01/28/11

**WorkOrder: 1101216 A**

January 28, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



# McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD  
PITTSBURG, CA 94565-1701

Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Telephone: (877) 252-9262 Fax: (925) 252-9269

11/21/11  
**RUSH**

## CHAIN OF CUSTODY RECORD

TURNAROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: [nlee@craworld.com](mailto:nlee@craworld.com) Bill To:  
Company: **CONESTOGA ROVERS AND ASSOCIATES**

E-Mail: [nlee@craworld.com](mailto:nlee@craworld.com)  
Tel: **410 420 0700** Fax: **(510) 420 9170**  
Project #: **311956** Project Name: **9-0020**  
Project Location: **1633 HARRISON ST OAKLAND CA**  
Sampler Signature: *[Signature]*

### Analysis Request

### Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Filter sample for DISSOLVED metals analysis	Other	Comments	
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other				
SP-22		11/11/11	1315	1			X					X						
SP-23			1320				X											
SP-24			1325				X											
SP-25			1330				X											
SP-26			1335				X											
SP-27			1340				X											
SP-28			1345				X											
SP-29			1350				X											

TPH as Gas (8015)  TPH as Diesel (8015)  WITH SILICA GEL CLEAN UP  
 Total Petroleum Oil & Grease (1661-5207)   
 Total Petroleum Hydrocarbons (418.1)   
 EPA 502.2 / 601 / 8010 / 8021 (HVOCs)  
 MTBE / BTEX ONLY (EPA-602-8031)  8260  
 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 524.2 / 624 / 8260 (VOCs)  
 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)  
 Filter sample for DISSOLVED metals analysis  
 CAUTION: 1/27/11  
 RUSH TAT per N.L.

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

Relinquished By: <i>[Signature]</i>	Date: 11/11/11	Time: 16:05	Received By: <i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/r *5.20*  
 GOOD CONDITION   
 HEAD SPACE ABSENT   
 DECHLORINATED IN LAB   
 APPROPRIATE CONTAINERS   
 PRESERVED IN LAB   
 COMMENTS:  
 VOAS O&G METALS OTHER  
 PRESERVATION pH<2

RESULT ALSO TO  
[pyitra@craworld.com](mailto:pyitra@craworld.com)



**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101216 A ClientCode: CETE**

WaterTrax  WriteOn  EDF  Excel  Fax  Email  HardCopy  ThirdParty  J-flag

**Report to:**

Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-3327 FAX (510) 420-9170

Email: nlee@croworld.com  
 cc: byifru@croworld.com  
 PO:  
 ProjectNo: #311956; 9-0020

**Bill to:**

Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**

**Date Received: 01/11/2011**

**Date Add-On: 01/27/2011**

**Date Printed: 01/27/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
1101216-002	SP-23	Soil	1/11/2011 13:20	<input type="checkbox"/>	B													

**Test Legend:**

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

**Prepared by: Melissa Valles**

**Comments:** Cd,Cr,Ni,Zn added on 1/27/11 on a rush tat per N.L

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





### QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101216

EPA Method SW6020		Extraction SW3050B					BatchID: 55815			Spiked Sample ID: 1101572-011A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	0.96	50	105	106	0.726	10	107	108	1.39	75 - 125	20	75 - 125	20
Chromium	48	50	93.3	94.2	0.483	10	110	110	0	75 - 125	20	75 - 125	20
Nickel	69	50	102	99.7	1.17	10	110	110	0	75 - 125	20	75 - 125	20
Zinc	110	500	106	104	0.948	100	115	117	1.46	75 - 125	20	75 - 125	20
%SS:	99	500	105	102	3.38	500	100	103	2.43	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 55815 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101216-002B	01/11/11 1:20 PM	01/27/11	01/27/11 5:13 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 = 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.



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/05/11
		Date Received: 01/05/11
	Client Contact: Nathan Lee	Date Reported: 01/06/11
	Client P.O.:	Date Completed: 01/06/11

**WorkOrder: 1101064**

January 06, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101064**

**ClientCode: CETE**

WaterTrax    WriteOn    EDF    Excel    Fax    Email    HardCopy    ThirdParty    J-flag

**Report to:**  
 Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-0700   FAX (510) 420-9170

**Email:** nlee@craworld.com  
 cc: byifru@craworld.com  
 PO:  
 ProjectNo: #311956; 9-0020

**Bill to:**  
 Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**  
**Date Received: 01/05/2011**  
**Date Printed: 01/05/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101064-001	SP-1	Soil	1/5/2011 9:40	<input type="checkbox"/>	A	A	A	A									

**Test Legend:**

1	G-MBTX_S	2	MBTEX-8260B_S	3	PB_S	4	PREDF REPORT	5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

**Prepared by: Melissa Valles**

**Comments:**

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/5/2011 12:54:22 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1101064** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 5.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

=====

Client contacted:

Date contacted:

Contacted by:

Comments:







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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/05/11
		Date Received: 01/05/11
	Client Contact: Nathan Lee	Date Extracted: 01/05/11
	Client P.O.:	Date Analyzed: 01/05/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101064

Lab ID	1101064-001A				Reporting Limit for DF =1	
Client ID	SP-1					
Matrix	S					
DF	1					

Compound	Concentration				mg/kg	ug/L
Benzene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

### Surrogate Recoveries (%)

%SS1:	95				
%SS2:	104				

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor







**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55378

WorkOrder 1101064

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1012952-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	98.3	101	2.32	99.7	85.4	15.5	70 - 130	20	70 - 130	20
MTBE	ND	0.10	106	109	2.28	103	111	6.87	70 - 130	20	70 - 130	20
Benzene	ND	0.10	100	100	0	101	101	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	97.2	96.5	0.678	97.8	96.7	1.16	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	98.2	97.6	0.590	99	96.9	2.20	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	100	100	0	101	99.3	2.07	70 - 130	20	70 - 130	20
%SS:	106	0.10	111	105	5.84	109	107	1.89	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 55378 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101064-001A	01/05/11 9:40 AM	01/05/11	01/05/11 10:43 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 SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55425

WorkOrder 1101064

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101038-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	112	110	1.53	111	109	1.60	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	102	104	2.55	104	103	0.909	70 - 130	30	70 - 130	30
Toluene	ND	0.050	121	120	1.24	118	117	1.06	70 - 130	30	70 - 130	30
%SS1:	95	0.13	114	116	1.10	113	111	1.65	70 - 130	30	70 - 130	30
%SS2:	103	0.13	107	108	1.52	106	107	1.20	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 55425 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101064-001A	01/05/11 9:40 AM	01/05/11	01/05/11 10:02 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 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 6010B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101064

EPA Method SW6010B		Extraction SW3050B				BatchID: 55402			Spiked Sample ID: 1101016-001A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	11	50	89.6	93.9	3.86	10	89.4	97.2	8.34	75 - 125	25	75 - 125	25
%SS:	101	500	97	102	4.42	500	96	100	4.30	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 55402 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101064-001A	01/05/11 9:40 AM	01/05/11	01/06/11 9:45 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 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 SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55379

WorkOrder 1101064

Analyte	Extraction SW3550B/3630C								Spiked Sample ID: 1012958-002A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	128	128	0	94	94.4	0.390	70 - 130	30	70 - 130	30
%SS:	118	25	111	111	0	99	100	0.301	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 55379 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101064-001A	01/05/11 9:40 AM	01/05/11	01/05/11 4:11 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 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.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/05/11
		Date Received: 01/05/11
	Client Contact: Nathan Lee	Date Reported: 01/06/11
	Client P.O.:	Date Completed: 01/06/11

**WorkOrder: 1101063**

January 06, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **5** analyzed samples from your project: **#311956; 9-0020**,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.





# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1101063

ClientCode: CETE

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

Report to:	Nathan Lee	Email: nlee@croworld.com	Bill to:	Accounts Payable	Requested TAT: 1 day
	Conestoga-Rovers & Associates	cc: byifru@croworld.com		Conestoga-Rovers & Associates	Date Received: 01/05/2011
	5900 Hollis St, Suite A	PO:		5900 Hollis St, Ste. A	Date Printed: 01/05/2011
	Emeryville, CA 94608	ProjectNo: #311956; 9-0020		Emeryville, CA 94608	
	(510) 420-0700 FAX (510) 420-9170				

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1101063-001	TB-5	Soil	1/5/2011 8:25	<input type="checkbox"/>	A	A	A									
1101063-002	TSW-7	Soil	1/5/2011 8:28	<input type="checkbox"/>	A	A										
1101063-003	TSW-8	Soil	1/5/2011 8:30	<input type="checkbox"/>	A	A										
1101063-004	TB-6	Soil	1/5/2011 8:33	<input type="checkbox"/>	A	A										
1101063-005	TB-7	Soil	1/5/2011 8:35	<input type="checkbox"/>	A	A										

**Test Legend:**

1	G-MBTEX_S	2	MBTEX-8260B_S	3	PREFD REPORT	4		5	
6		7		8		9		10	
11		12							

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

**Prepared by: Melissa Valles**

**Comments:**

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/5/2011 12:40:07 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1101063** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 5.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:





# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/05/11
		Date Received: 01/05/11
	Client Contact: Nathan Lee	Date Extracted: 01/05/11
	Client P.O.:	Date Analyzed: 01/05/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101063

Lab ID	1101063-001A	1101063-002A	1101063-003A	1101063-004A	Reporting Limit for DF =1	
Client ID	TB-5	TSW-7	TSW-8	TB-6		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
	Benzene	ND	ND	ND	ND	0.005
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

### Surrogate Recoveries (%)

%SS1:	99	97	97	97	
%SS2:	103	103	103	104	

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/05/11
		Date Received: 01/05/11
	Client Contact: Nathan Lee	Date Extracted: 01/05/11
	Client P.O.:	Date Analyzed: 01/05/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101063

Lab ID	1101063-005A				Reporting Limit for DF =1	
Client ID	TB-7					
Matrix	S					
DF	1					

Compound	Concentration				mg/kg	ug/L
Benzene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

### Surrogate Recoveries (%)

%SS1:	97				
%SS2:	103				

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor





**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55378

WorkOrder 1101063

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1012952-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	98.3	101	2.32	99.7	85.4	15.5	70 - 130	20	70 - 130	20
MTBE	ND	0.10	106	109	2.28	103	111	6.87	70 - 130	20	70 - 130	20
Benzene	ND	0.10	100	100	0	101	101	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	97.2	96.5	0.678	97.8	96.7	1.16	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	98.2	97.6	0.590	99	96.9	2.20	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	100	100	0	101	99.3	2.07	70 - 130	20	70 - 130	20
%SS:	106	0.10	111	105	5.84	109	107	1.89	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 55378 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101063-001A	01/05/11 8:25 AM	01/05/11	01/05/11 6:14 PM	1101063-002A	01/05/11 8:28 AM	01/05/11	01/05/11 6:44 PM
1101063-003A	01/05/11 8:30 AM	01/05/11	01/05/11 8:14 PM	1101063-004A	01/05/11 8:33 AM	01/05/11	01/05/11 9:44 PM
1101063-005A	01/05/11 8:35 AM	01/05/11	01/05/11 10:14 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 SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55425

WorkOrder 1101063

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101038-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	112	110	1.53	111	109	1.60	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	102	104	2.55	104	103	0.909	70 - 130	30	70 - 130	30
Toluene	ND	0.050	121	120	1.24	118	117	1.06	70 - 130	30	70 - 130	30
%SS1:	95	0.13	114	116	1.10	113	111	1.65	70 - 130	30	70 - 130	30
%SS2:	103	0.13	107	108	1.52	106	107	1.20	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 55425 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101063-001A	01/05/11 8:25 AM	01/05/11	01/05/11 4:22 PM	1101063-002A	01/05/11 8:28 AM	01/05/11	01/05/11 5:04 PM
1101063-003A	01/05/11 8:30 AM	01/05/11	01/05/11 5:46 PM	1101063-004A	01/05/11 8:33 AM	01/05/11	01/05/11 6:28 PM
1101063-005A	01/05/11 8:35 AM	01/05/11	01/05/11 9:20 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 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 SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55379

WorkOrder 1101063

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1012958-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	128	128	0	94	94.4	0.390	70 - 130	30	70 - 130	30
%SS:	118	25	111	111	0	99	100	0.301	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 55379 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101063-001A	01/05/11 8:25 AM	01/05/11	01/05/11 4:11 PM	1101063-002A	01/05/11 8:28 AM	01/05/11	01/05/11 5:21 PM
1101063-003A	01/05/11 8:30 AM	01/05/11	01/05/11 3:02 PM	1101063-004A	01/05/11 8:33 AM	01/05/11	01/05/11 3:00 PM
1101063-005A	01/05/11 8:35 AM	01/05/11	01/05/11 4:11 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 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.

## ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

January 06, 2011

Project: 90020

Submittal Date: 01/05/2011  
Group Number: 1227819  
PO Number: 0015061031  
Release Number: PATTEN  
State of Sample Origin: CAClient Sample DescriptionTSW-1-S-11-110103 Grab Soil  
TSW-3-S-11-110104 Grab Soil  
TSW-5-S-9-110104 Grab Soil  
TSW-6-S-9-110104 Grab Soil  
TB-2-S-10.5-110104 Grab Soil  
TB-4-S-10-110104 Grab Soil  
EX-9-S-5-110104 Grab SoilLancaster Labs (LLI) #6177762  
6177763  
6177764  
6177765  
6177766  
6177767  
6177768

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO  
Chevron

Attn: CRA EDD

ELECTRONIC COPY TO  
CRA

Attn: Nathan Lee

ELECTRONIC COPY TO  
Conestoaga-Rovers & Associates

Attn: Belew Yifru

Questions? Contact your Client Services Representative  
Natalie R Luciano at (717) 656-2300 Ext. 1881

Respectfully Submitted,



**Robin C. Runkle**  
**Senior Specialist**



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** TSW-1-S-11-110103 Grab Soil  
Facility# 90020 CRAW  
1633 Harrison St-Oakland T0600100304 TSW-1

**LLI Sample #** SW 6177762  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/03/2011 11:30

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10950	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.85
<b>GC Extractable TPH SW-846 8015B</b>						
<b>w/Si Gel</b>						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	20	4.0	12	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 17:00	Laura M Krieger	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:28	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 11:55	Elizabeth J Marin	25.85
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:28	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 11:13	Melissa McDermott	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** TSW-3-S-11-110104 Grab Soil  
**Facility#** 90020 CRAW  
 1633 Harrison St-Oakland T0600100304 TSW-3

**LLI Sample #** SW 6177763  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 09:00

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.83
<b>GC Extractable TPH SW-846 8015B</b>						
<b>w/Si Gel</b>						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	27	4.0	12	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 17:22	Laura M Krieger	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:32	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 12:31	Elizabeth J Marin	23.83
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:32	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 07:33	Melissa McDermott	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** TSW-5-S-9-110104 Grab Soil  
Facility# 90020 CRAW  
1633 Harrison St-Oakland T0600100304 TSW-5

**LLI Sample #** SW 6177764  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 09:55

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b> SW-846 8260B						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
<b>GC Volatiles</b> SW-846 8015B modified						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.48
<b>GC Extractable TPH w/Si Gel</b> SW-846 8015B						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	42	8.0	24	2

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 17:44	Laura M Krieger	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:35	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 13:08	Elizabeth J Marin	25.48
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:36	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 08:16	Melissa McDermott	2
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** TSW-6-S-9-110104 Grab Soil  
Facility# 90020 CRAW  
1633 Harrison St-Oakland T0600100304 TSW-6

**LLI Sample #** SW 6177765  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 10:00

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b> SW-846 8260B						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
<b>GC Volatiles</b> SW-846 8015B modified						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.2
<b>GC Extractable TPH w/Si Gel</b> SW-846 8015B						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 18:07	Laura M Krieger	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:38	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 13:43	Elizabeth J Marin	24.2
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:39	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 09:23	Melissa McDermott	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1

\*=This limit was used in the evaluation of the final result





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** TB-2-S-10.5-110104 Grab Soil  
Facility# 90020 CRAW  
1633 Harrison St-Oakland T0600100304 TB-2

**LLI Sample #** SW 6177766  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 09:05

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b> SW-846 8260B						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.09
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.09
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.09
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.09
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.09
<b>GC Volatiles</b> SW-846 8015B modified						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.64
<b>GC Extractable TPH w/Si Gel</b> SW-846 8015B						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	53	4.0	12	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 18:52	Laura M Krieger	1.09
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:42	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 14:18	Elizabeth J Marin	25.64
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:43	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 07:55	Melissa McDermott	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** TB-4-S-10-110104 Grab Soil  
**Facility#** 90020 CRAW  
 1633 Harrison St-Oakland T0600100304 TB-4

**LLI Sample #** SW 6177767  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 09:50

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.77
<b>GC Extractable TPH SW-846 8015B</b>						
<b>w/Si Gel</b>						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 19:14	Laura M Krieger	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:45	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 14:55	Elizabeth J Marin	25.77
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:46	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 09:45	Melissa McDermott	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** EX-9-S-5-110104 Grab Soil  
**Facility#** 90020 CRAW  
**1633 Harrison St-Oakland T0600100304 EX-9**

**LLI Sample #** SW 6177768  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 10:50

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.08
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.08
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.08
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.08
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.08
<b>GC Volatiles SW-846 8015B modified</b>						
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.93
<b>GC Extractable TPH SW-846 8015B modified</b>						
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
<b>GC Extractable TPH SW-846 8015B</b>						
<b>w/Si Gel</b>						
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
<b>Metals SW-846 6010B</b>						
06949	Cadmium	7440-43-9	0.550	0.135	0.481	1
06951	Chromium	7440-47-3	16.4	0.567	1.44	1
06955	Lead	7439-92-1	2.60	0.577	1.44	1
06961	Nickel	7440-02-0	84.2	0.183	0.962	1
06972	Zinc	7440-66-6	38.8	0.635	1.92	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B110051AA	01/05/2011 20:43	Laura M Krieger	1.08
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201100523446	01/05/2011 14:52	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201100523446	01/05/2011 14:49	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	11006A34A	01/06/2011 15:31	Elizabeth J Marin	24.93

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** EX-9-S-5-110104 Grab Soil  
Facility# 90020 CRAW  
1633 Harrison St-Oakland T0600100304 EX-9

**LLI Sample #** SW 6177768  
**LLI Group #** 1227819  
**Account #** 10880

**Project Name:** 90020

Collected: 01/04/2011 10:50

ChevronTexaco

Submitted: 01/05/2011 09:00

6001 Bollinger Canyon Rd L4310

Reported: 01/06/2011 16:57

San Ramon CA 94583

HSO09

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201100523446	01/05/2011 14:50	Larry E Bevins	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	110050015A	01/06/2011 08:06	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	110050014A	01/06/2011 10:07	Melissa McDermott	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	110050014A	01/05/2011 17:40	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	110050015A	01/05/2011 17:40	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	110055708002	01/06/2011 05:48	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	110055708002	01/06/2011 05:48	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	110055708002	01/06/2011 09:33	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	110055708002	01/06/2011 05:48	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	110055708002	01/06/2011 05:48	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	110055708002	01/05/2011 19:30	Mirit S Shenouda	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 01/06/11 at 04:57 PM

Group Number: 1227819

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: B110051AA	Sample number(s): 6177762-6177768								
Benzene	N.D.	0.0005	0.005	mg/kg	105	103	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	93	95	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	98	101	74-121	4	30
Toluene	N.D.	0.001	0.005	mg/kg	95	94	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	95	98	80-120	3	30
Batch number: 11006A34A	Sample number(s): 6177762-6177768								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	97	95	67-119	2	30
Batch number: 110050015A	Sample number(s): 6177768								
Total TPH	N.D.	10.	30	mg/kg	107		72-125		
TPH Motor Oil C16-C36	N.D.	10.	30	mg/kg					
Batch number: 110050014A	Sample number(s): 6177762-6177768								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	103		76-117		
Batch number: 110055708002	Sample number(s): 6177768								
Cadmium	N.D.	0.135	0.481	mg/kg	99		90-114		
Chromium	N.D.	0.567	1.44	mg/kg	97		85-110		
Lead	N.D.	0.577	1.44	mg/kg	96		80-120		
Nickel	N.D.	0.183	0.962	mg/kg	100		90-114		
Zinc	N.D.	0.635	1.92	mg/kg	96		90-110		

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: B110051AA	Sample number(s): 6177762-6177768 UNSPK: 6177763								
Benzene	107		55-143						
Ethylbenzene	95		44-141						
Methyl Tertiary Butyl Ether	94		55-129						
Toluene	99		50-146						
Xylene (Total)	95		44-136						
Batch number: 110050015A	Sample number(s): 6177768 UNSPK: 6177768 BKG: 6177768								
Total TPH	101		49-123			N.D.	N.D.	0 (1)	20
TPH Motor Oil C16-C36						N.D.	N.D.	0 (1)	20
Batch number: 110050014A	Sample number(s): 6177762-6177768 UNSPK: 6177768 BKG: 6177768								

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 01/06/11 at 04:57 PM

Group Number: 1227819

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
TPH-DRO soil C10-C28 w/Si Gel	108		30-159			N.D.	N.D.	0 (1)	20
Batch number: 110055708002	Sample number(s): 6177768 UNSPK: 6177768 BKG: 6177768								
Cadmium	90	92	75-125	4	20	0.550	0.952	54* (1)	20
Chromium	99	100	75-125	2	20	16.4	14.3	14	20
Lead	89	91	75-125	4	20	2.60	2.77	6 (1)	20
Nickel	84	76	75-125	2	20	84.2	73.6	13	20
Zinc	97	101	75-125	4	20	38.8	41.1	6	20

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: VOCs by 8260B - Solid  
 Batch number: B110051AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6177762	106	107	93	92
6177763	106	104	94	89
6177764	107	103	97	84
6177765	107	103	94	90
6177766	106	104	95	89
6177767	108	103	94	89
6177768	109	108	93	92
Blank	105	103	93	90
LCS	101	104	97	101
LCSD	102	105	97	101
MS	101	100	99	99
Limits:	71-114	70-109	70-123	70-111

 Analysis Name: TPH-GRO N. CA soil C6-C12  
 Batch number: 11006A34A  
 Trifluorotoluene-F

6177762	82
6177763	82
6177764	86
6177765	78
6177766	79
6177767	81
6177768	88
Blank	90
LCS	88
LCSD	84
Limits:	61-122

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 01/06/11 at 04:57 PM

Group Number: 1227819

### Surrogate Quality Control

Batch number: 110050014A  
Orthoterphenyl

---

6177762	95
6177763	98
6177764	91
6177765	99
6177766	98
6177767	98
6177768	104
Blank	105
DUP	103
LCS	115
MS	122

---

Limits: 59-129

Analysis Name: TPH Fuels by GC (Soils)  
Batch number: 110050015A  
Chlorobenzene                      Orthoterphenyl

---

6177768	114	115
Blank	108	106
DUP	108	104
LCS	102	130*
MS	99	123

---

Limits: 49-125                      59-129

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

# Chevron California Region Analysis Request/Chain of Custody



010411-07 P.10F2  
Acct. #: 10880

For Lancaster Laboratories use only  
Sample #: 6177762-68

SCR#: 249402

C# 1227819

Facility #: 9-0020  
 Site Address: 1633 HARRISON ST OAKLAND CA  
 Chevron PM: DAVE PATTEN Lead Consultant: CRA  
 Consultant/Office: EMERYVILLE  
 Consultant Prj. Mgr.: NATHAN LEE  
 Consultant Phone #: 510 420 0700 Fax #: 510 420 9170  
 Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

### Analyses Requested

Preservation Codes									
8260 full scan	Oxygenates	Lead 7420	6010B	TPH MOD WITH SILICAGEL CLEANUP	Cd, Cr, Ni, Zn				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO <input type="checkbox"/> TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010B <input type="checkbox"/> TPH MOD WITH SILICAGEL CLEANUP <input checked="" type="checkbox"/> Cd, Cr, Ni, Zn <input type="checkbox"/>									

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>    O = Other

J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy's on highest hit  
 Run \_\_\_ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	6010B	TPH MOD WITH SILICAGEL CLEANUP	Cd, Cr, Ni, Zn
TSW-1	SOIL	N	11	2011-1-03	11:30		X		1	X	X	X						
TSW-3	SOIL	N	11	2011-1-04	9:00		X		1	X	X	X						
<del>TSW-4</del>			9		9:40	BY												
TSW-5			9		9:55													
TSW-6			9		10:00													
TB-2			10.5		9:05													
TB-4			10		9:50													
EX-9	SOL	N	5	2011-1-04	10:50		X		1	X	X	X			X	X	X	

**Comments / Remarks**  
 HOLD SAMPLE FOR POSSIBLE FURTHER ANALYSES  
 SEND RESULTS TO:  
 nlee@croworld.com  
 byifru@croworld.com  
 EDF DATA TO:  
 dohare@croworld.com

**Turnaround Time Requested (TAT) (please circle)**

STD. TAT	72 hour	48 hour
<u>24 hour</u>	4 day	5 day

Relinquished by: <u>BELEW YIFRU</u>	Date: <u>1/4/11</u>	Time: <u>2:30</u>	Received by: <u>SECURE LOCATION</u>	Date:	Time:
Relinquished by: <u>BELEW YIFRU</u>	Date: <u>1/4/11</u>	Time: <u>1445</u>	Received by: <u>G. Schyler</u>	Date: <u>04 JAN 11</u>	Time: <u>1445</u>
Relinquished by: <u>G. Schyler</u>	Date: <u>04 JAN 11</u>	Time: <u>1636</u>	Received by: <u>FED EX</u>	Date:	Time:
Relinquished by Commercial Carrier: <u>UPS</u>	Other: <u>FEDEX</u>		Received by: <u>[Signature]</u>	Date: <u>1/4/11</u>	Time: <u>0900</u>
Temperature Upon Receipt: <u>16-20 C</u>	Custody/Seals Intact? <u>Yes</u>		No		



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
<b>A</b> TIC is a possible aldol-condensation product	<b>B</b> Value is $<$ CRDL, but $\geq$ IDL
<b>B</b> Analyte was also detected in the blank	<b>E</b> Estimated due to interference
<b>C</b> Pesticide result confirmed by GC/MS	<b>M</b> Duplicate injection precision not met
<b>D</b> Compound quantitated on a diluted sample	<b>N</b> Spike sample not within control limits
<b>E</b> Concentration exceeds the calibration range of the instrument	<b>S</b> Method of standard additions (MSA) used for calculation
<b>N</b> Presumptive evidence of a compound (TICs only)	<b>U</b> Compound was not detected
<b>P</b> Concentration difference between primary and confirmation columns $>$ 25%	<b>W</b> Post digestion spike out of control limits
<b>U</b> Compound was not detected	<b>*</b> Duplicate analysis not within control limits
<b>X,Y,Z</b> Defined in case narrative	<b>+</b> Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/06/11
		Date Received: 01/06/11
	Client Contact: Nathan Lee	Date Reported: 01/07/11
	Client P.O.:	Date Completed: 01/07/11

**WorkOrder: 1101098**

January 07, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101098**

**ClientCode: CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

<b>Report to:</b>		<b>Bill to:</b>	<b>Requested TAT: 1 day</b>
Nathan Lee	Email: nlee@craworld.com	Accounts Payable	
Conestoga-Rovers & Associates	cc: byifru@craworld.com	Conestoga-Rovers & Associates	<i>Date Received: 01/06/2011</i>
5900 Hollis St, Suite A	PO:	5900 Hollis St, Ste. A	<i>Date Printed: 01/06/2011</i>
Emeryville, CA 94608	ProjectNo: #311956; 9-0020	Emeryville, CA 94608	
(510) 420-0700    FAX (510) 420-9170			

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101098-001	TP-1	Soil	1/6/2011 7:35	<input type="checkbox"/>	A	A	A										

**Test Legend:**

1	MBTEX-8260B_S	2	PREDF REPORT	3	TPH(D)WSG_S	4		5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

**Prepared by: Ana Venegas**

**Comments:**    24hr rush

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/6/2011 3:36:16 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Ana Venegas**

WorkOrder N°: **1101098** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 4.4°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

=====

Client contacted:

Date contacted:

Contacted by:

Comments:





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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/06/11
		Date Received: 01/06/11
	Client Contact: Nathan Lee	Date Extracted: 01/06/11
	Client P.O.:	Date Analyzed: 01/06/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101098

Lab ID	1101098-001A				Reporting Limit for DF =1	
Client ID	TP-1					
Matrix	S					
DF	1					

Compound	Concentration				mg/kg	ug/L
	Benzene	ND				0.005
Ethylbenzene	ND				0.005	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

### Surrogate Recoveries (%)

%SS1:	94				
%SS2:	105				

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor







**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55447

WorkOrder 1101098

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1101082-006A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	98.8	102	2.80	105	108	2.75	70 - 130	20	70 - 130	20
MTBE	ND	0.10	105	107	1.67	105	107	2.60	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.6	97.9	1.35	101	101	0	70 - 130	20	70 - 130	20
Toluene	ND	0.10	94.6	95.3	0.777	97.6	99.5	1.92	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.9	97	1.20	96.8	99	2.27	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	98.8	99.8	0.969	102	101	0.316	70 - 130	20	70 - 130	20
%SS:	100	0.10	108	106	1.79	109	104	4.47	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 55447 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101098-001A	01/06/11 7:35 AM	01/06/11	01/06/11 7:31 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 SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55425

WorkOrder 1101098

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101038-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	112	110	1.53	111	109	1.60	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	102	104	2.55	104	103	0.909	70 - 130	30	70 - 130	30
Toluene	ND	0.050	121	120	1.24	118	117	1.06	70 - 130	30	70 - 130	30
%SS1:	95	0.13	114	116	1.10	113	111	1.65	70 - 130	30	70 - 130	30
%SS2:	103	0.13	107	108	1.52	106	107	1.20	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 55425 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101098-001A	01/06/11 7:35 AM	01/06/11	01/06/11 6:55 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 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 SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55462

WorkOrder 1101098

Analyte	Extraction SW3550B/3630C								Spiked Sample ID: 1101098-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	3.5	40	95.6	95.7	0.152	98.1	98.8	0.720	70 - 130	30	70 - 130	30
%SS:	109	25	113	113	0	94	95	1.03	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 55462 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101098-001A	01/06/11 7:35 AM	01/06/11	01/07/11 2:51 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 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.



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/25/11
		Date Received: 01/25/11
	Client Contact: Nathan Lee	Date Reported: 01/26/11
	Client P.O.:	Date Completed: 01/26/11

**WorkOrder: 1101564**

January 26, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **2** analyzed samples from your project: **#311956; 9-0020**,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McCAMPBELL ANALYTICAL, INC.**

1534 WILLOW PASS ROAD  
PITTSBURG, CA 94565-1701

Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Telephone: (877) 252-9262 Fax: (925) 252-9269

1101564

**CHAIN OF CUSTODY RECORD**

TURN AROUND TIME

RUSH 24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)   
 Check if sample is effluent and "J" flag is required

Report To: NATHAN LEE Bill To: NATHAN LEE  
Company: CONESTOGA ROVERS AND ASSOCIATES  
E-Mail: nlee@craworld.com  
Tele: (510) 420 0700 Fax: (510) 420 9170  
Project #: 311956 Project Name: 9-0020  
Project Location: 1633 HARRISON ST OAKLAND CA  
Sampler Signature: [Signature]

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other			
<del>A-1</del> BY																	
B-1		1/25/11	1130			X					X						
X-3		1/25/11	1130			X					X						

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

Relinquished By: <u>[Signature]</u>	Date: <u>1/25/11</u>	Time: <u>1535</u>	Received By: <u>[Signature]</u>
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/r 11.2 (ICE)  
GOOD CONDITION \_\_\_\_\_  
HEAD SPACE ABSENT \_\_\_\_\_  
DECHLORINATED IN LAB \_\_\_\_\_  
APPROPRIATE CONTAINERS \_\_\_\_\_  
PRESERVED IN LAB \_\_\_\_\_  
VOAS O&G METALS OTHER  
PRESERVATION pH<2

COMMENTS:  
See Attachment



### Contingent analyses

- Organic lead required if TTLC lead  $\geq 13$  mg/kg
- Aquatic bioassay required if **any** TPH (gasoline, diesel, or motor oil)  $\geq 5,000$  mg/kg
- TCLP benzene required if benzene  $\geq 10$  mg/kg
- TCLP and STLC required for metals per table below

Metal	Trigger level TTLC (mg/kg)	Requirement
Antimony	150	STLC required if TTLC $\geq 150$ mg/kg
Arsenic	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Barium	1,000/2,000	STLC required if TTLC $\geq 1,000$ mg/kg; STLC and TCLP required if TTLC $\geq 2,000$ mg/kg
Beryllium	7.5	STLC required if TTLC $\geq 7.5$ mg/kg
Cadmium	10/20	STLC required if TTLC $\geq 10$ mg/kg; STLC and TCLP required if TTLC $\geq 20$ mg/kg
Chromium	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Cobalt	800	STLC required if TTLC $\geq 800$ mg/kg
Copper	250	STLC required if TTLC $\geq 250$ mg/kg
Lead	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Mercury	2/4	STLC required if TTLC $\geq 2$ mg/kg; STLC and TCLP required if TTLC $\geq 4$ mg/kg
Molybdenum	350	STLC required if TTLC $\geq 350$ mg/kg
Nickel	200	STLC required if TTLC $\geq 200$ mg/kg
Selenium	10/20	STLC required if TTLC $\geq 10$ mg/kg; STLC and TCLP required if TTLC $\geq 20$ mg/kg
Silver	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Thallium	70	STLC required if TTLC $\geq 70$ mg/kg
Vanadium	240	STLC required if TTLC $\geq 240$ mg/kg
Zinc	2,500	STLC required if TTLC $\geq 2,500$ mg/kg

PLEASE CONTACT NATHAN LEE @ (510) 420-3333  
IF CAM17 RESULTS EXCEED ANY OF THE ABOVE  
TRIGGER LEVELS.

**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101564**

**ClientCode: CETE**

WaterTrax    WriteOn    EDF    Excel    Fax    Email    HardCopy    ThirdParty    J-flag

**Report to:**  
 Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-3327   FAX (510) 420-9170

**Email:** nlee@craworld.com  
**cc:**  
**PO:**  
**ProjectNo:** #311956; 9-0020

**Bill to:**  
 Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**  
**Date Received: 01/25/2011**  
**Date Printed: 01/25/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1101564-001	B-1	Soil	1/25/2011 11:30	<input type="checkbox"/>	A		A	A								
1101564-002	X-3	Soil	1/25/2011 11:30	<input type="checkbox"/>		A	A	A								

**Test Legend:**

1	8260VOC_S	2	MBTEX-8260B_S	3	PB_S	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SamplIDs: 001A, 002A contain testgroup.

**Prepared by: Maria Venegas**

**Comments:** 24hr Rush

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/25/2011 3:57:17 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1101564** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 11.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:





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"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/25/11
		Date Received: 01/25/11
	Client Contact: Nathan Lee	Date Extracted: 01/25/11
	Client P.O.:	Date Analyzed: 01/25/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101564

Lab ID	1101564-001A				Reporting Limit for DF =1	
Client ID	B-1					
Matrix	S					
DF	1					S

Compound	Concentration				mg/Kg	ug/L
Benzene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

### Surrogate Recoveries (%)

%SS1:	97				
%SS2:	108				
%SS3:	108				

### Comments

\* 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.

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor





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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/25/11
		Date Received: 01/25/11
	Client Contact: Nathan Lee	Date Extracted: 01/25/11
	Client P.O.:	Date Analyzed: 01/25/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101564

Lab ID	1101564-002A				Reporting Limit for DF =1	
Client ID	X-3					
Matrix	S					
DF	1					

Compound	Concentration				mg/kg	ug/L
Benzene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

### Surrogate Recoveries (%)

%SS1:	97				
%SS2:	108				

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor







### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55785

WorkOrder 1101564

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101543-002b			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	110	113	2.66	114	114	0	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	108	108	0	110	109	1.18	70 - 130	30	70 - 130	30
Toluene	ND	0.050	113	116	2.63	116	116	0	70 - 130	30	70 - 130	30
%SS1:	81	0.13	95	95	0	96	94	1.53	70 - 130	30	70 - 130	30
%SS2:	108	0.13	103	103	0	104	102	1.12	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 55785 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101564-001A	01/25/11 11:30 AM	01/25/11	01/25/11 9:24 PM	1101564-002A	01/25/11 11:30 AM	01/25/11	01/25/11 10:03 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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55736

WorkOrder 1101564

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1101485-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sub>f</sub>	ND	0.60	119	112	6.30	120	126	4.78	70 - 130	20	70 - 130	20
MTBE	ND	0.10	115	112	2.95	116	116	0	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.9	94.6	2.39	94.8	93.6	1.29	70 - 130	20	70 - 130	20
Toluene	ND	0.10	93.8	91.7	2.18	92.6	90.4	2.34	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.7	91.2	2.71	93	90.6	2.59	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	93.5	90.6	3.18	92.8	90.5	2.57	70 - 130	20	70 - 130	20
%SS:	77	0.10	99	96	2.49	93	93	0	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 55736 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101564-001A	01/25/11 11:30 AM	01/25/11	01/26/11 7:43 AM	1101564-002A	01/25/11 11:30 AM	01/25/11	01/26/11 7:13 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.

£ 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101564

EPA Method SW6010B		Extraction SW3050B				BatchID: 55738			Spiked Sample ID: 1101494-004A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	25	50	89.2	96.4	5.09	10	110	97.2	12.4	75 - 125	25	75 - 125	25
%SS:	92	500	88	92	4.29	500	99	100	0.955	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 55738 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101564-001A	01/25/11 11:30 AM	01/25/11	01/26/11 9:13 AM	1101564-002A	01/25/11 11:30 AM	01/25/11	01/26/11 9:15 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 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 SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55807

WorkOrder 1101564

Analyte	Extraction SW3550B/3630C								Spiked Sample ID: 1101563-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	14,000	40	NR	NR	NR	118	119	1.51	70 - 130	30	70 - 130	30
%SS:	---#	25	---#	---#	N/A	84	83	1.08	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 55807 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101564-001A	01/25/11 11:30 AM	01/25/11	01/25/11 8:05 PM	1101564-002A	01/25/11 11:30 AM	01/25/11	01/25/11 11:29 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 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.



**McC Campbell Analytical, Inc.**

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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/26/11
		Date Received: 01/26/11
	Client Contact: Nathan Lee	Date Reported: 01/27/11
	Client P.O.:	Date Completed: 01/27/11

**WorkOrder: 1101610**

January 27, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the 1 analyzed sample from your project: #311956; 9-0020,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

WorkOrder: 1101610

ClientCode: CETE

WaterTrax    WriteOn    EDF    Excel    Fax    Email    HardCopy    ThirdParty    J-flag

Report to:

Nathan Lee  
Conestoga-Rovers & Associates  
5900 Hollis St, Suite A  
Emeryville, CA 94608  
(510) 420-3327   FAX (510) 420-9170

Email: nlee@craworld.com  
cc:  
PO:  
ProjectNo: #311956; 9-0020

Bill to:

Accounts Payable  
Conestoga-Rovers & Associates  
5900 Hollis St, Ste. A  
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 01/26/2011

Date Printed: 01/26/2011

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101610-001	OT-2	Oil	1/26/2011 11:00	<input type="checkbox"/>	A	A	A	A									

Test Legend:

1	8082A_PCB_O	2	8260B_Oil	3	CAM17MS_O	4	TPH(DMO)WSG_Oil	5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

Prepared by: Melissa Valles

Comments:

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



**Sample Receipt Checklist**

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/26/2011 3:48:53 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1101610** Matrix Oil

Carrier: Client Drop-In

**Chain of Custody (COC) Information**

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

**Sample Receipt Information**

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

**Sample Preservation and Hold Time (HT) Information**

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 19°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE )

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

Client contacted:

Date contacted:

Contacted by:

Comments:



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/26/11
		Date Received: 01/26/11
	Client Contact: Nathan Lee	Date Extracted: 01/26/11
	Client P.O.:	Date Analyzed: 01/27/11

### Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

Extraction Method: SW3550B

Analytical Method: SW8082

Work Order: 1101610

Lab ID	1101610-001A				Reporting Limit for DF =1	
Client ID	OT-2					
Matrix	0					
DF	5					

Compound	Concentration				mg/L	ug/L
	Aroclor1016	ND<25				5.0
Aroclor1221	ND<25				5.0	NA
Aroclor1232	ND<25				5.0	NA
Aroclor1242	ND<25				5.0	NA
Aroclor1248	ND<25				5.0	NA
Aroclor1254	ND<25				5.0	NA
Aroclor1260	ND<25				5.0	NA
PCBs, total	ND<25				5.0	NA

### Surrogate Recoveries (%)

%SS:	95				
Comments	a2,h4				

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

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor

a2) sample diluted due to cluttered chromatogram

h4) sulfuric acid permanganate (EPA 3665) cleanup



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/26/11
		Date Received: 01/26/11
	Client Contact: Nathan Lee	Date Extracted: 01/26/11
	Client P.O.:	Date Analyzed: 01/26/11

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101610

Lab ID	1101610-001A
Client ID	OT-2
Matrix	Oil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<250	5.0	50	tert-Amyl methyl ether (TAME)	ND<25	5.0	5.0
Benzene	45	5.0	5.0	Bromobenzene	ND<25	5.0	5.0
Bromochloromethane	ND<25	5.0	5.0	Bromodichloromethane	ND<25	5.0	5.0
Bromoform	ND<25	5.0	5.0	Bromomethane	ND<25	5.0	5.0
2-Butanone (MEK)	ND<100	5.0	20	t-Butyl alcohol (TBA)N	D<250	5.0	50
n-Butyl benzene	250	5.0	5.0	sec-Butyl benzene	76	5.0	5.0
tert-Butyl benzene	ND<25	5.0	5.0	Carbon Disulfide	ND<25	5.0	5.0
Carbon Tetrachloride	ND<25	5.0	5.0	Chlorobenzene	ND<25	5.0	5.0
Chloroethane	ND<25	5.0	5.0	Chloroform	ND<25	5.0	5.0
Chloromethane	ND<25	5.0	5.0	2-Chlorotoluene	ND<25	5.0	5.0
4-Chlorotoluene	ND<25	5.0	5.0	Dibromochloromethane	ND<25	5.0	5.0
1,2-Dibromo-3-chloropropane	ND<25	5.0	5.0	1,2-Dibromoethane (EDB)	ND<25	5.0	5.0
Dibromomethane	ND<25	5.0	5.0	1,2-Dichlorobenzene	ND<25	5.0	5.0
1,3-Dichlorobenzene	ND<25	5.0	5.0	1,4-Dichlorobenzene	ND<25	5.0	5.0
Dichlorodifluoromethane	ND<25	5.0	5.0	1,1-Dichloroethane	ND<25	5.0	5.0
1,2-Dichloroethane (1,2-DCA)	ND<25	5.0	5.0	1,1-Dichloroethene	ND<25	5.0	5.0
cis-1,2-Dichloroethene	ND<25	5.0	5.0	trans-1,2-Dichloroethene	ND<25	5.0	5.0
1,2-Dichloropropane	ND<25	5.0	5.0	1,3-Dichloropropane	ND<25	5.0	5.0
2,2-Dichloropropane	ND<25	5.0	5.0	1,1-Dichloropropene	ND<25	5.0	5.0
cis-1,3-Dichloropropene	ND<25	5.0	5.0	trans-1,3-Dichloropropene	ND<25	5.0	5.0
Diisopropyl ether (DIPE)	ND<25	5.0	5.0	Ethylbenzene	210	5.0	5.0
Ethyl tert-butyl ether (ETBE)	ND<25	5.0	5.0	Freon 113	ND<500	5.0	100
Hexachlorobutadiene	ND<25	5.0	5.0	Hexachloroethane	ND<25	5.0	5.0
2-Hexanone	ND<25	5.0	5.0	Isopropylbenzene	59	5.0	5.0
4-Isopropyl toluene	ND<25	5.0	5.0	Methyl-t-butyl ether (MTBE)	ND<25	5.0	5.0
Methylene chloride	ND<25	5.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<25	5.0	5.0
Naphthalene	900	5.0	5.0	n-Propyl benzene	160	5.0	5.0
Styrene	ND<25	5.0	5.0	1,1,1,2-Tetrachloroethane	ND<25	5.0	5.0
1,1,2,2-Tetrachloroethane	ND<25	5.0	5.0	Tetrachloroethene	ND<25	5.0	5.0
Toluene	430	5.0	5.0	1,2,3-Trichlorobenzene	ND<25	5.0	5.0
1,2,4-Trichlorobenzene	ND<25	5.0	5.0	1,1,1-Trichloroethane	ND<25	5.0	5.0
1,1,2-Trichloroethane	ND<25	5.0	5.0	Trichloroethene	ND<25	5.0	5.0
Trichlorofluoromethane	ND<25	5.0	5.0	1,2,3-Trichloropropane	ND<25	5.0	5.0
1,2,4-Trimethylbenzene	1700	5.0	5.0	1,3,5-Trimethylbenzene	450	5.0	5.0
Vinyl Chloride	ND<25	5.0	5.0	Xylenes	1400	5.0	5.0

#### Surrogate Recoveries (%)

%SS1:	79	%SS2:	97
%SS3:	92		

#### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates

Client Project ID: #311956; 9-0020

Date Sampled: 01/26/11

5900 Hollis St, Suite A

Date Received: 01/26/11

Client Contact: Nathan Lee

Date Extracted: 01/26/11

Emeryville, CA 94608

Client P.O.:

Date Analyzed 01/27/11

### CAM / CCR 17 Metals\*

Lab ID	1101610-001A				Reporting Limit for DF = 1; ND means not detected above the reporting limit	
Client ID	OT-2					
Matrix	O				O	W
Extraction Type	TOTAL				mg/L	mg/L

### ICP Metals, Concentration\*

Analytical Method: SW6020

Extraction Method: SW3050B

Work Order: 1101610

Dilution Factor	1			1	1
Antimony	ND			0.5	NA
Arsenic	ND			0.5	NA
Barium	98			5.0	NA
Beryllium	ND			0.5	NA
Cadmium	0.80			0.25	NA
Chromium	ND			0.5	NA
Cobalt	ND			0.5	NA
Copper	3.6			0.5	NA
Lead	500			0.5	NA
Mercury	ND			0.05	NA
Molybdenum	ND			0.5	NA
Nickel	ND			0.5	NA
Selenium	ND			0.5	NA
Silver	ND			0.5	NA
Thallium	ND			0.5	NA
Vanadium	ND			0.5	NA
Zinc	330			5.0	NA
%SS:	103				

#### Comments

\*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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.

TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.

DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor









**QC SUMMARY REPORT FOR SW8082**

W.O. Sample Matrix: Oil

QC Matrix: Soil

BatchID: 55781

WorkOrder 1101610

EPA Method SW8082		Extraction SW3550B							Spiked Sample ID: 1101538-019A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.15	89.1	88.3	0.715	87.2	90.5	3.73	70 - 130	20	70 - 130	20
%SS:	119	0.050	121	122	0.933	103	101	1.81	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 55781 SUMMARY**

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	01/26/11	01/27/11 11:29 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.



**QC SUMMARY REPORT FOR SW8260B**

W.O. Sample Matrix: Oil

QC Matrix: Soil

BatchID: 55785

WorkOrder 1101610

Analyte	Extraction SW5030B			Spiked Sample ID: 1101543-002b								
	Sample mg/Kg	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
									MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	84.9	84.1	0.897	96.8	95.4	1.45	70 - 130	30	70 - 130	30
Benzene	ND	0.050	110	113	2.66	114	114	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	87.8	88.9	1.29	91.9	88.7	3.50	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	109	110	1.36	110	110	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	95.9	96.9	1.06	98.4	97.2	1.23	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	100	100	0	103	102	1.26	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	119	121	1.97	121	121	0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	116	118	1.48	119	118	0.854	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	102	0.930	103	102	0.868	70 - 130	30	70 - 130	30
Methyl tert-butyl ether (MTBE)	ND	0.050	108	108	0	110	109	1.18	70 - 130	30	70 - 130	30
Toluene	ND	0.050	113	116	2.63	116	116	0	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	114	119	3.86	119	118	0.594	70 - 130	30	70 - 130	30
%SS1:	81	0.13	95	95	0	96	94	1.53	70 - 130	30	70 - 130	30
%SS2:	108	0.13	103	103	0	104	102	1.12	70 - 130	30	70 - 130	30
%SS3:	96	0.0139	1	93	1.85	92	92	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 55785 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	01/26/11	01/26/11 6:43 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 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 SW6020

W.O. Sample Matrix: Oil

QC Matrix: Soil

WorkOrder 1101610

EPA Method SW6020		Extraction SW3050B				BatchID: 55815			Spiked Sample ID: 1101572-011A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	1.3	50	105	104	1.03	10	99.6	100	0.800	75 - 125	20	75 - 125	20
Arsenic	14	50	106	103	2.57	10	110	112	2.61	75 - 125	20	75 - 125	20
Barium	110	500	103	102	0.573	100	99.6	101	1.82	75 - 125	20	75 - 125	20
Beryllium	0.53	50	97.5	97.9	0.425	10	108	110	2.29	75 - 125	20	75 - 125	20
Cadmium	0.96	50	105	106	0.726	10	107	108	1.39	75 - 125	20	75 - 125	20
Chromium	48	50	93.3	94.2	0.483	10	110	110	0	75 - 125	20	75 - 125	20
Cobalt	11	50	96.7	96.5	0.118	10	114	116	1.82	75 - 125	20	75 - 125	20
Copper	40	50	101	98.7	1.08	10	111	114	2.50	75 - 125	20	75 - 125	20
Lead	25	50	107	106	0.102	10	105	108	2.64	75 - 125	20	75 - 125	20
Mercury	0.081	1.25	106	106	0	0.25	111	115	3.19	75 - 125	20	75 - 125	20
Molybdenum	1.1	50	104	103	0.680	10	99.4	102	2.71	75 - 125	20	75 - 125	20
Nickel	69	50	102	99.7	1.17	10	110	110	0	75 - 125	20	75 - 125	20
Selenium	ND	50	108	105	3.36	10	114	115	0.175	75 - 125	20	75 - 125	20
Silver	ND	50	103	103	0	10	105	106	0.570	75 - 125	20	75 - 125	20
Thallium	ND	50	95	98.4	3.54	10	101	105	3.59	75 - 125	20	75 - 125	20
Vanadium	57	50	97.7	98.1	0.189	10	107	109	2.59	75 - 125	20	75 - 125	20
Zinc	110	500	106	104	0.948	100	115	117	1.46	75 - 125	20	75 - 125	20
%SS:	99	500	105	102	3.38	500	100	103	2.43	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 55815 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	01/26/11	01/27/11 8:45 AM	1101610-001A	01/26/11 11:00 AM	01/26/11	01/27/11 10:47 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 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 SW8021B/8015Bm**

W.O. Sample Matrix: Oil

QC Matrix: Soil

BatchID: 55736

WorkOrder 1101610

Analyte	EPA Method SW8015Bm			Extraction SW5030B					Spiked Sample ID: 1101485-001A			
	Sample mg/Kg	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
									MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	119	112	6.30	120	126	4.78	70 - 130	20	70 - 130	20
MTBE	ND	0.10	115	112	2.95	116	116	0	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.9	94.6	2.39	94.8	93.6	1.29	70 - 130	20	70 - 130	20
Toluene	ND	0.10	93.8	91.7	2.18	92.6	90.4	2.34	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.7	91.2	2.71	93	90.6	2.59	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	93.5	90.6	3.18	92.8	90.5	2.57	70 - 130	20	70 - 130	20
%SS:	77	0.10	99	96	2.49	93	93	0	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 55736 SUMMARY**

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	01/26/11	01/26/11 6:53 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.

E 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 = 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 SW8015B**

W.O. Sample Matrix: Oil

QC Matrix: Soil

BatchID: 55807

WorkOrder 1101610

**EPA Method SW8015B**

**Extraction SW3550B/3630C**

**Spiked Sample ID: 1101563-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	14,000	40	NR	NR	NR	118	119	1.51	70 - 130	30	70 - 130	30
%SS:	---#	25	---#	---#	N/A	84	83	1.08	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 55807 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	01/26/11	01/27/11 10:36 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.

QA/QC Officer



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/26/11
		Date Received: 01/26/11
	Client Contact: Nathan Lee	Date Reported: 01/27/11
	Client P.O.:	Date Completed: 02/02/11

**WorkOrder: 1101610 B**

February 02, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the 1 analyzed sample from your project: #311956; 9-0020,
- 2) A QC report for the above sample,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

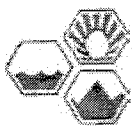
All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.





**McCAMPBELL ANALYTICAL, INC.**  
 1534 WILLOW PASS ROAD  
 PITTSBURG, CA 94565-1701  
 Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
 Telephone: (877) 252-9262 Fax: (925) 252-9269

1101610

RUSH

**CHAIN OF CUSTODY RECORD**

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: NATHAN LEE Bill To: NATHAN LEE  
 Company: CONCRETE ROVERS AND ASSOCIATES  
 E-Mail: nlee@conworld.com  
 Tele: (510) 420 0700 Fax: (510) 420 9170  
 Project #: 211956 Project Name: 9-0020  
 Project Location: 1633 HARRISON ST DAKLAND CA  
 Sampler Signature: [Signature]

Analysis Request Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED									
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other						
OT-2		1/28/10	1100	2						X	X	X								

<input checked="" type="checkbox"/> -BTEX & TPH as Gas (EPA 8015)	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015	<input checked="" type="checkbox"/> EPA 8015
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\*\*Indicate here if these samples are potentially dangerous to

3260 FULL SCAN

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

Relinquished By: <u>[Signature]</u>	Date: <u>1/28/10</u>	Time: <u>1545</u>	Received By: <u>[Signature]</u>
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/P-1906  
 GOOD CONDITION   
 HEAD SPACE ABSENT   
 DECHLORINATED IN LAB   
 APPROPRIATE CONTAINERS   
 PRESERVED IN LAB   
 VOAS O&G METALS OTHER  
 pH=2

**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

WorkOrder: 1101610 **B** ClientCode: CETE

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

Report to:

Nathan Lee  
Conestoga-Rovers & Associates  
5900 Hollis St, Suite A  
Emeryville, CA 94608  
(510) 420-0700 FAX (510) 420-9170

Email: nlee@croworld.com  
cc:  
PO:  
ProjectNo: #311956; 9-0020

Bill to:

Accounts Payable  
Conestoga-Rovers & Associates  
5900 Hollis St. Ste. A  
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 01/26/2011

Date Add-On: 02/01/2011

Date Printed: 02/01/2011

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101610-001	OT-2	Oil	1/26/2011 11:00	<input type="checkbox"/>	A	A	A										

Test Legend:

1	TCLP_METALS_O
6	
11	

2	TSS_LIQ(%)
7	
12	

3	ZHE8260-TCLP_Oil
8	

4	
9	

5	
10	

Prepared by: Melissa Valles

Comments:

Fish Bio added per I.H. RUSH 01/28/11. TSS% added 1/31/11 24hr. TCLP Pb and TCLP Benzene-8260 added 2/1/11 24hr

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









**QC SUMMARY REPORT FOR SW6010B**

W.O. Sample Matrix: Oil

QC Matrix: Soil

BatchID: 55863

WorkOrder 1101610

EPA Method SW6010B		Extraction SW1311/SW3050B							Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	N/A	1	N/A	N/A	N/A	95.6	100	4.57	N/A	N/A	75 - 125	25

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

BATCH 55863 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	02/01/11	02/02/11 3:01 PM				

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

$\% \text{ Recovery} = 100 * (\text{MS} - \text{Sample}) / (\text{Amount Spiked})$ ;  $\text{RPD} = 100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2)$ .

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.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

**QC SUMMARY REPORT FOR WET CHEMISTRY TESTS**

**Test Method: Total Suspended Solids**

**Matrix: L**

**WorkOrder: 1101610**

Method Name: SM2540D		Units %			BatchID: 55926	
Lab ID	Sample	DF	Dup / Ser. Dil.	DF	% RPD	Acceptance Criteria (%)
1101610-001A	ND<0.10	1000	ND<0.050	500	N/A	<15

BATCH 55926 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	02/01/11	02/01/11 1:35 PM				

Dup = Duplicate; Ser. Dil. = Serial Dilution; MS = Matrix Spike; RD = Relative Difference; RPD = Relative Percent Deviation.

Precision = Absolute Value (Sample - Duplicate)

$RPD = 100 * (Sample - Duplicate) / [(Sample + Duplicate) / 2]$

%RPD is calculated using results of up to 10 significant figures, however the reported results are rounded to 2 or 3 significant figures. Therefore there may be a slight discrepancy between the %RPD displayed above and %RPD calculated using the reported results. MAI considers %RPD based upon more significant figures to be more accurate.

DHS ELAP Certification 1644

 QA/QC Officer



**QC SUMMARY REPORT FOR SW8260B**

W.O. Sample Matrix: Oil

QC Matrix: Solid

BatchID: 55956

WorkOrder 1101610

Analyte	Extraction SW1311								Spiked Sample ID: N/A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	N/A	0.010	N/A	N/A	N/A	102	103	0.810	N/A	N/A	70 - 130	20
Benzene	N/A	0.010	N/A	N/A	N/A	117	115	1.84	N/A	N/A	70 - 130	20
t-Butyl alcohol (TBA)	N/A	0.050	N/A	N/A	N/A	106	99.8	5.67	N/A	N/A	70 - 130	20
Chlorobenzene	N/A	0.010	N/A	N/A	N/A	125	123	1.72	N/A	N/A	70 - 130	20
1,2-Dibromoethane (EDB)	N/A	0.010	N/A	N/A	N/A	120	119	1.29	N/A	N/A	70 - 130	20
1,2-Dichloroethane (1,2-DCA)	N/A	0.010	N/A	N/A	N/A	105	102	2.09	N/A	N/A	70 - 130	20
1,1-Dichloroethene	N/A	0.010	N/A	N/A	N/A	106	104	1.92	N/A	N/A	70 - 130	20
Diisopropyl ether (DIPE)	N/A	0.010	N/A	N/A	N/A	123	121	1.66	N/A	N/A	70 - 130	20
Ethyl tert-butyl ether (ETBE)	N/A	0.010	N/A	N/A	N/A	115	115	0	N/A	N/A	70 - 130	20
Methyl-t-butyl ether (MTBE)	N/A	0.010	N/A	N/A	N/A	124	123	0.237	N/A	N/A	70 - 130	20
Toluene	N/A	0.010	N/A	N/A	N/A	124	121	1.93	N/A	N/A	70 - 130	20
Trichloroethene	N/A	0.010	N/A	N/A	N/A	127	125	1.31	N/A	N/A	70 - 130	20
%SS1:	N/A	0.025	N/A	N/A	N/A	98	98	0	N/A	N/A	70 - 130	30
%SS2:	N/A	0.025	N/A	N/A	N/A	100	100	0	N/A	N/A	70 - 130	30
%SS3:	N/A	0.0025	N/A	N/A	N/A	100	100	0	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 55956 SUMMARY**

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101610-001A	01/26/11 11:00 AM	02/01/11	02/02/11 10:28 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.





**McC Campbell Analytical, Inc.**

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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 01/17/11
		Date Received: 01/18/11
	Client Contact: Nathan Lee	Date Reported: 01/19/11
	Client P.O.:	Date Completed: 01/19/11

**WorkOrder: 1101366**

January 19, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; Chevron 9-0020,**
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

**WorkOrder: 1101366**

**ClientCode: CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

<b>Report to:</b>	Nathan Lee	Email: nlee@craworld.com	<b>Bill to:</b>	Accounts Payable	<b>Requested TAT:</b>	<b>1 day</b>
	Conestoga-Rovers & Associates	cc:		Conestoga-Rovers & Associates	<b>Date Received:</b>	<b>01/18/2011</b>
	5900 Hollis St, Suite A	PO:		5900 Hollis St, Ste. A	<b>Date Printed:</b>	<b>01/18/2011</b>
	Emeryville, CA 94608	ProjectNo: #311956; Chevron 9-0020		Emeryville, CA 94608		
	(510) 420-3327    FAX (510) 420-9170					

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101366-001	OHA-1	Soil	1/17/2011 8:15	<input type="checkbox"/>	A	A											

**Test Legend:**

1	LUFT_S	2	TPH(DMO)WSG_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

**Prepared by: Maria Venegas**

**Comments:**    24hr Rush

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/18/2011 10:42:34 AM**

Project Name: **#311956; Chevron 9-0020**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1101366** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 4°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
- Samples Received on Ice? Yes  No

(Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:









**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55571

WorkOrder 1101366

EPA Method SW8015Bm		Extraction SW5030B							Spiked Sample ID: 1101235-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	97	99.5	2.49	98.9	107	8.13	70 - 130	20	70 - 130	20
MTBE	ND	0.10	120	117	2.36	116	108	6.70	70 - 130	20	70 - 130	20
Benzene	ND	0.10	117	109	7.31	112	110	1.54	70 - 130	20	70 - 130	20
Toluene	ND	0.10	102	94.6	7.67	96.9	95.3	1.72	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	105	98	7.27	101	98.3	2.63	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	118	110	6.67	114	111	2.78	70 - 130	20	70 - 130	20
%SS:	101	0.10	125	108	14.7	116	110	5.52	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 55571 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101366-001A	01/17/11 8:15 AM	01/18/11	01/18/11 2:11 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 6010B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101366

EPA Method SW6010B		Extraction SW3050B				BatchID: 55650			Spiked Sample ID: 1101359-002A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	ND	50	91.5	90.9	0.658	10	97.8	90.5	7.76	75 - 125	25	75 - 125	25
Chromium	42	50	91.7	86.8	2.81	10	99.2	90.9	8.81	75 - 125	25	75 - 125	25
Lead	15	50	97.5	88.9	6.94	10	104	96.4	7.99	75 - 125	25	75 - 125	25
Nickel	37	50	94.6	95.6	0.565	10	100	90.7	9.88	75 - 125	25	75 - 125	25
Zinc	50	500	97.8	94	3.63	100	108	94.3	13.6	75 - 125	25	75 - 125	25
%SS:	92	500	88	91	2.57	500	101	95	6.21	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 55650 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101366-001A	01/17/11 8:15 AM	01/18/11	01/19/11 11:52 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 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 SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55658

WorkOrder 1101366

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1101366-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	16	40	102	101	0.784	98.8	101	2.51	70 - 130	30	70 - 130	30
%SS:	113	25	112	111	0.978	113	117	3.36	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 55658 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101366-001A	01/17/11 8:15 AM	01/18/11	01/19/11 5:31 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.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Reported: 01/12/11
	Client P.O.:	Date Completed: 01/12/11

**WorkOrder: 1101217**

January 12, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



**McCAMPBELL ANALYTICAL, INC.**  
 1534 WILLOW PASS ROAD  
 PITTSBURG, CA 94565-1701  
 Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
 Telephone: (877) 252-9262 Fax: (925) 252-9269

**RUSH**  
 1101217

**CHAIN OF CUSTODY RECORD**

**TURN AROUND TIME**  
 RUSH  24 HR  48 HR  72 HR  5 DAY  
 GeoTracker EDF  PDF  Excel  Write On (DW)  
 Check if sample is effluent and "J" flag is required

Report To: [nlee@croworld.com](mailto:nlee@croworld.com) Bill To: 311956  
 Company: CONESTOGA ROVERS AND ASSOCIATES  
 E-Mail: [nlee@croworld.com](mailto:nlee@croworld.com)  
 Tele: (510) 420 0700 Fax: (510) 420 9170  
 Project #: 311956 Project Name: 9-0020  
 Project Location: 1633 HARRISON STREET OAKLAND CA  
 Sampler Signature: *[Signature]*

Analysis Request Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other			
DEBRIS-1		11/11/11	1355	1							X	X		X			**Indicate here if these samples are potentially dangerous to handle:

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE  
 TPH as Diesel (8015) WITH SILICA GEL CLEAN UP  
 Total Petroleum Oil & Greases (Not Saturated Hydrocarbons) WITH SILICA GEL CLEAN UP  
 Total Petroleum Hydrocarbons (418.1)  
 EPA 502.2 / 601 / 8010 / 8021 (HVOCs)  
 MTBE / BTEX ONLY (EPA 8012-8021) 8260  
 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 524.2 / 624 / 8260 (VOCs)  
 EPA 525.2 / 625 / 8270 (SVOCs)  
 EPA 8270 SIM / 8310 (PAHs / PNAAs)  
 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)  
 Filter sample for DISSOLVED metals analysis

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

Relinquished By: <i>[Signature]</i>	Date: 11/11/11	Time: 1605	Received By: <i>[Signature]</i>	ICE/526 GOOD CONDITION ✓ HEAD SPACE ABSENT DECHLORINATED IN LAB APPROPRIATE CONTAINERS ✓ PRESERVED IN LAB VOAS O&G METALS OTHER PRESERVATION pH<2	COMMENTS:
Relinquished By:	Date:	Time:	Received By:		
Relinquished By:	Date:	Time:	Received By:		

RESULTS ALSO TO  
[byitra@croworld.com](mailto:byitra@croworld.com)

**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101217**

**ClientCode: CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

<b>Report to:</b>		<b>Bill to:</b>	<b>Requested TAT: 1 day</b>
Nathan Lee	Email: nlee@croworld.com	Accounts Payable	
Conestoga-Rovers & Associates	cc: byifru@croworld.com	Conestoga-Rovers & Associates	<i>Date Received: 01/11/2011</i>
5900 Hollis St, Suite A	PO:	5900 Hollis St, Ste. A	<i>Date Printed: 01/11/2011</i>
Emeryville, CA 94608	ProjectNo: #311956; 9-0020	Emeryville, CA 94608	
(510) 420-0700    FAX (510) 420-9170			

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101217-001	Debris-1	Solid	1/11/2011 13:55	<input type="checkbox"/>	A	A	A	A									

**Test Legend:**

1	MBTEX-8260B_S	2	PB_S	3	PREF REPORT	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

**Prepared by: Melissa Valles**

**Comments:**

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/11/2011 4:25:49 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1101217** Matrix Solid

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 5.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

=====

Client contacted:

Date contacted:

Contacted by:

Comments:





# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/11/11
	Client P.O.:	Date Analyzed: 01/12/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101217

Lab ID	1101217-001A				Reporting Limit for DF =1	
Client ID	Debris-1					
Matrix	S					
DF	4					

Compound	Concentration				mg/kg	ug/L
	Benzene	ND<0.020				0.005
Ethylbenzene	0.21				0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.020				0.005	NA
Toluene	0.17				0.005	NA
Xylenes	1.9				0.005	NA

### Surrogate Recoveries (%)

%SS1:	92			
%SS2:	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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor









**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55466

WorkOrder 1101217

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1101102-020A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>£</sup>	ND	0.60	89.2	90.2	1.03	105	90.9	14.7	70 - 130	20	70 - 130	20
MTBE	ND	0.10	114	102	10.5	99.2	104	4.74	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94	95.8	1.91	95.1	94.5	0.621	70 - 130	20	70 - 130	20
Toluene	ND	0.10	92.8	93.6	0.935	92.9	92.3	0.736	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	94.5	95.4	0.955	94.6	94	0.569	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	97.4	98.7	1.29	97.3	97	0.358	70 - 130	20	70 - 130	20
%SS:	103	0.10	97	84	14.8	94	88	6.14	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 55466 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101217-001A	01/11/11 1:55 PM	01/11/11	01/12/11 10:47 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.

£ 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 SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55530

WorkOrder 1101217

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 1101174-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	105	96.1	8.95	104	106	1.84	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	105	97.2	7.81	97.9	99.2	1.30	70 - 130	30	70 - 130	30
Toluene	ND	0.050	107	97.7	9.39	108	109	1.25	70 - 130	30	70 - 130	30
%SS1:	79	0.13	93	94	1.09	94	95	0.829	70 - 130	30	70 - 130	30
%SS2:	103	0.13	105	106	0.808	105	105	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 55530 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101217-001A	01/11/11 1:55 PM	01/11/11	01/12/11 2:20 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101217

EPA Method SW6010B		Extraction SW3050B				BatchID: 55564			Spiked Sample ID: 1101216-008A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	ND	50	96.8	98.6	1.84	10	96.6	96	0.649	75 - 125	25	75 - 125	25
%SS:	98	500	95	99	4.08	500	93	93	0	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 55564 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101217-001A	01/11/11 1:55 PM	01/11/11	01/12/11 10:59 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 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 SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55465

WorkOrder 1101217

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1101102-020A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	15	40	79.2	79	0.174	99.3	100	0.694	70 - 130	30	70 - 130	30
%SS:	100	25	102	108	5.44	95	96	0.815	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 55465 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101217-001A	01/11/11 1:55 PM	01/11/11	01/12/11 2:13 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 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.



**McC Campbell Analytical, Inc.**

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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Reported: 01/14/11
	Client P.O.:	Date Completed: 01/14/11

**WorkOrder: 1101217 A**

January 14, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.


Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.





# McC Campbell Analytical, Inc.


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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: **1101217 A** ClientCode: **CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

**Report to:**

Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-3327 FAX (510) 420-9170

Email: nlee@craworld.com  
 cc: byifru@craworld.com  
 PO:  
 ProjectNo: #311956; 9-0020

**Bill to:**

Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**

**Date Received: 01/11/2011**

**Date Add-On: 01/13/2011**

**Date Printed: 01/13/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
1101217-001	Debris-1	Solid	1/11/2011 13:55	<input type="checkbox"/>	A													

**Test Legend:**

1	CAM17MS_Solid	2		3		4		5	
6		7		8		9		10	
11		12							

**Prepared by: Melissa Valles**

**Comments:** CAM17 added per email 24hr TAT 01/13/11.

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



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/13/11
	Client P.O.:	Date Analyzed 01/14/11

### CAM / CCR 17 Metals\*

Lab ID	1101217-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Debris-1					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

### ICP Metals, Concentration\*

Analytical Method: SW6020

Extraction Method: SW3050B

Work Order: 1101217

Dilution Factor	1			1	1
Antimony	3.8			0.5	NA
Arsenic	4.5			0.5	NA
Barium	150			5.0	NA
Beryllium	ND			0.5	NA
Cadmium	12			0.25	NA
Chromium	46			0.5	NA
Cobalt	7.8			0.5	NA
Copper	74			0.5	NA
Lead	1400			0.5	NA
Mercury	0.17			0.05	NA
Molybdenum	ND			0.5	NA
Nickel	35			0.5	NA
Selenium	ND			0.5	NA
Silver	ND			0.5	NA
Thallium	ND			0.5	NA
Vanadium	35			0.5	NA
Zinc	800			5.0	NA
%SS:	125				

#### Comments

\*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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.

TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.

DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



### QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Solid

QC Matrix: Soil

WorkOrder 1101217

EPA Method SW6020		Extraction SW3050B				BatchID: 55563			Spiked Sample ID: 1101211-012A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.76	50	97.6	101	3.74	10	88.5	92.1	3.95	75 - 125	20	75 - 125	20
Arsenic	9.5	50	99.5	106	5.45	10	95.9	98	2.18	75 - 125	20	75 - 125	20
Barium	ND	500	103	109	4.01	100	89.8	92.3	2.66	75 - 125	20	75 - 125	20
Beryllium	0.61	50	81.8	83.8	2.29	10	88.2	90.9	3.07	75 - 125	20	75 - 125	20
Cadmium	ND	50	98.6	103	3.98	10	93.1	95.3	2.36	75 - 125	20	75 - 125	20
Chromium	66	50	NR	NR	NR	10	93.3	97.9	4.74	75 - 125	20	75 - 125	20
Cobalt	16	50	91.6	95.3	3.01	10	99.9	103	3.03	75 - 125	20	75 - 125	20
Copper	35	50	95.1	101	3.56	10	103	105	1.83	75 - 125	20	75 - 125	20
Lead	11	50	97.3	101	3.38	10	91.3	93.8	2.61	75 - 125	20	75 - 125	20
Mercury	0.066	1.25	94.1	97.4	3.25	0.25	99.3	102	2.35	75 - 125	20	75 - 125	20
Molybdenum	0.99	50	101	105	3.89	10	90.8	94.6	4.14	75 - 125	20	75 - 125	20
Nickel	100	50	NR	NR	NR	10	94.6	95.4	0.874	75 - 125	20	75 - 125	20
Selenium	ND	50	97.8	101	3.57	10	89.7	99	9.81	75 - 125	20	75 - 125	20
Silver	ND	50	98.8	102	3.39	10	92.1	95.4	3.48	75 - 125	20	75 - 125	20
Thallium	ND	50	99.1	103	3.50	10	90.7	92.9	2.37	75 - 125	20	75 - 125	20
Vanadium	54	50	NR	NR	NR	10	92.6	94.8	2.32	75 - 125	20	75 - 125	20
Zinc	78	500	102	103	1.20	100	117	99.3	16.5	75 - 125	20	75 - 125	20
%SS:	93	500	93	96	3.95	500	91	94	3.32	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 55563 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101217-001A	01/11/11 1:55 PM	01/13/11	01/14/11 11:51 AM	1101217-001A	01/11/11 1:55 PM	01/13/11	01/14/11 11:57 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 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.



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Reported: 01/14/11
	Client P.O.:	Date Completed: 01/20/11

**WorkOrder: 1101217 A**

January 20, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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


McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



# McC Campbell Analytical, Inc.


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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: **1101217 A** ClientCode: **CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

**Report to:**

Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-3327 FAX (510) 420-9170

Email: nlee@croworld.com  
 cc: byifru@croworld.com  
 PO:  
 ProjectNo: #311956; 9-0020

**Bill to:**

Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**

**Date Received: 01/11/2011**

**Date Add-On: 01/13/2011**

**Date Printed: 01/13/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
1101217-001	Debris-1	Solid	1/11/2011 13:55	<input type="checkbox"/>	A													

**Test Legend:**

1	CAM17MS_Solid	2		3		4		5	
6		7		8		9		10	
11		12							

**Prepared by: Melissa Valles**

**Comments:** CAM17 added per email 24hr TAT 01/13/11.

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



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 01/11/11
		Date Received: 01/11/11
	Client Contact: Nathan Lee	Date Extracted: 01/13/11
	Client P.O.:	Date Analyzed 01/15/11-01/19/11

### CAM / CCR 17 Metals\*

Lab ID	1101217-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	Debris-1					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

### ICP Metals, Concentration\*

Analytical Method: SW6020

Extraction Method: SW3050B

Work Order: 1101217

Dilution Factor	1				1	1
Antimony	6.9				0.5	NA
Arsenic	4.6				0.5	NA
Barium	110				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	21				0.25	NA
Chromium	27				0.5	NA
Cobalt	4.1				0.5	NA
Copper	150				0.5	NA
Lead	4100				0.5	NA
Mercury	0.41				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	24				0.5	NA
Selenium	0.74				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	18				0.5	NA
Zinc	2100				5.0	NA
%SS:	93					

#### Comments

\*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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.

TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.

DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



### QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Solid

QC Matrix: Soil

WorkOrder 1101217

EPA Method SW6020		Extraction SW3050B				BatchID: 55563			Spiked Sample ID: 1101211-012A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.76	50	97.6	101	3.74	10	88.5	92.1	3.95	75 - 125	20	75 - 125	20
Arsenic	9.5	50	99.5	106	5.45	10	95.9	98	2.18	75 - 125	20	75 - 125	20
Barium	ND	500	103	109	4.01	100	89.8	92.3	2.66	75 - 125	20	75 - 125	20
Beryllium	0.61	50	81.8	83.8	2.29	10	88.2	90.9	3.07	75 - 125	20	75 - 125	20
Cadmium	ND	50	98.6	103	3.98	10	93.1	95.3	2.36	75 - 125	20	75 - 125	20
Chromium	66	50	NR	NR	NR	10	93.3	97.9	4.74	75 - 125	20	75 - 125	20
Cobalt	16	50	91.6	95.3	3.01	10	99.9	103	3.03	75 - 125	20	75 - 125	20
Copper	35	50	95.1	101	3.56	10	103	105	1.83	75 - 125	20	75 - 125	20
Lead	11	50	97.3	101	3.38	10	91.3	93.8	2.61	75 - 125	20	75 - 125	20
Mercury	0.066	1.25	94.1	97.4	3.25	0.25	99.3	102	2.35	75 - 125	20	75 - 125	20
Molybdenum	0.99	50	101	105	3.89	10	90.8	94.6	4.14	75 - 125	20	75 - 125	20
Nickel	100	50	NR	NR	NR	10	94.6	95.4	0.874	75 - 125	20	75 - 125	20
Selenium	ND	50	97.8	101	3.57	10	89.7	99	9.81	75 - 125	20	75 - 125	20
Silver	ND	50	98.8	102	3.39	10	92.1	95.4	3.48	75 - 125	20	75 - 125	20
Thallium	ND	50	99.1	103	3.50	10	90.7	92.9	2.37	75 - 125	20	75 - 125	20
Vanadium	54	50	NR	NR	NR	10	92.6	94.8	2.32	75 - 125	20	75 - 125	20
Zinc	78	500	102	103	1.20	100	117	99.3	16.5	75 - 125	20	75 - 125	20
%SS:	93	500	93	96	3.95	500	91	94	3.32	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 55563 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101217-001A	01/11/11 1:55 PM	01/13/11	01/15/11 1:00 AM	1101217-001A	01/11/11 1:55 PM	01/13/11	01/19/11 10:54 PM
1101217-001A	01/11/11 1:55 PM	01/13/11	01/19/11 11:03 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 / %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.





**McC Campbell Analytical, Inc.**

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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 01/25/11
		Date Received: 01/25/11
	Client Contact: Nathan Lee	Date Reported: 01/26/11
	Client P.O.:	Date Completed: 01/26/11

**WorkOrder: 1101563**

January 26, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; Chevron 9-0020,**
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.





### Contingent analyses

- Organic lead required if TTLC lead  $\geq 13$  mg/kg
- Aquatic bioassay required if any TPH (gasoline, diesel, or motor oil)  $\geq 5,000$  mg/kg
- TCLP benzene required if benzene  $\geq 10$  mg/kg
- TCLP and STLC required for metals per table below

Metal	Trigger level TTLC (mg/kg)	Requirement
Antimony	150	STLC required if TTLC $\geq 150$ mg/kg
Arsenic	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Barium	1,000/2,000	STLC required if TTLC $\geq 1,000$ mg/kg; STLC and TCLP required if TTLC $\geq 2,000$ mg/kg
Beryllium	7.5	STLC required if TTLC $\geq 7.5$ mg/kg
Cadmium	10/20	STLC required if TTLC $\geq 10$ mg/kg; STLC and TCLP required if TTLC $\geq 20$ mg/kg
Chromium	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Cobalt	800	STLC required if TTLC $\geq 800$ mg/kg
Copper	250	STLC required if TTLC $\geq 250$ mg/kg
Lead	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Mercury	2/4	STLC required if TTLC $\geq 2$ mg/kg; STLC and TCLP required if TTLC $\geq 4$ mg/kg
Molybdenum	350	STLC required if TTLC $\geq 350$ mg/kg
Nickel	200	STLC required if TTLC $\geq 200$ mg/kg
Selenium	10/20	STLC required if TTLC $\geq 10$ mg/kg; STLC and TCLP required if TTLC $\geq 20$ mg/kg
Silver	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Thallium	70	STLC required if TTLC $\geq 70$ mg/kg
Vanadium	240	STLC required if TTLC $\geq 240$ mg/kg
Zinc	2,500	STLC required if TTLC $\geq 2,500$ mg/kg

PLEASE CONTACT NATHAN LEE @ (510) 420-3333  
IF CAM17 RESULTS EXCEED ANY OF THE ABOVE  
TRIGGER LEVELS.

**McC Campbell Analytical, Inc.**



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

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1101563**

**ClientCode: CETE**

WaterTrax    WriteOn    EDF    Excel    Fax    Email    HardCopy    ThirdParty    J-flag

**Report to:**

Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-3327   FAX (510) 420-9170

Email: nlee@craworld.com  
 cc:  
 PO:  
 ProjectNo: #311956; Chevron 9-0020

**Bill to:**

Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT: 1 day**

**Date Received: 01/25/2011**

**Date Printed: 01/25/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1101563-001	OT-1	Soil	1/25/2011 9:30	<input type="checkbox"/>	A	A	A	A									

**Test Legend:**

1	8082A_PCB_S	2	8260B+7OXY_S	3	CAM17MS_S	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

**Prepared by: Maria Venegas**

**Comments:**     24hr Rush

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **1/25/2011 3:38:53 PM**

Project Name: **#311956; Chevron 9-0020**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1101563** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 11.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 01/25/11
	Client Contact: Nathan Lee	Date Received: 01/25/11
	Client P.O.:	Date Extracted: 01/25/11
		Date Analyzed: 01/25/11

### Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

Extraction Method: SW3550B

Analytical Method: SW8082

Work Order: 1101563

Lab ID	1101563-001A			Reporting Limit for DF =1	
Client ID	OT-1				
Matrix	S				
DF	1000				S

Compound	Concentration				mg/kg	ug/L
Aroclor1016	ND<50				0.05	NA
Aroclor1221	ND<50				0.05	NA
Aroclor1232	ND<50				0.05	NA
Aroclor1242	ND<50				0.05	NA
Aroclor1248	ND<50				0.05	NA
Aroclor1254	ND<50				0.05	NA
Aroclor1260	ND<50				0.05	NA
PCBs, total	ND<50				0.05	NA

### Surrogate Recoveries (%)

%SS:	---#			
Comments	a3,h4			

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

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

# surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor

a3) sample diluted due to high organic content.

h4) sulfuric acid permanganate (EPA 3665) cleanup



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 01/25/11
	Client Contact: Nathan Lee	Date Received: 01/25/11
	Client P.O.:	Date Extracted: 01/25/11
		Date Analyzed: 01/25/11

## Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1101563

Lab ID	1101563-001A
Client ID	OT-1
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<20	400	0.05	tert-Amyl methyl ether (TAME)	ND<2.0	400	0.005
Benzene	ND<2.0	400	0.005	Bromobenzene	ND<2.0	400	0.005
Bromochloromethane	ND<2.0	400	0.005	Bromodichloromethane	ND<2.0	400	0.005
Bromoform	ND<2.0	400	0.005	Bromomethane	ND<2.0	400	0.005
2-Butanone (MEK)	ND<8.0	400	0.02	t-Butyl alcohol (TBA)	ND<20	400	0.05
n-Butyl benzene	2.4	400	0.005	sec-Butyl benzene	ND<2.0	400	0.005
tert-Butyl benzene	ND<2.0	400	0.005	Carbon Disulfide	ND<2.0	400	0.005
Carbon Tetrachloride	ND<2.0	400	0.005	Chlorobenzene	ND<2.0	400	0.005
Chloroethane	ND<2.0	400	0.005	Chloroform	ND<2.0	400	0.005
Chloromethane	ND<2.0	400	0.005	2-Chlorotoluene	ND<2.0	400	0.005
4-Chlorotoluene	ND<2.0	400	0.005	Dibromochloromethane	ND<2.0	400	0.005
1,2-Dibromo-3-chloropropane	ND<1.6	400	0.004	1,2-Dibromoethane (EDB)	ND<1.6	400	0.004
Dibromomethane	ND<2.0	400	0.005	1,2-Dichlorobenzene	ND<2.0	400	0.005
1,3-Dichlorobenzene	ND<2.0	400	0.005	1,4-Dichlorobenzene	ND<2.0	400	0.005
Dichlorodifluoromethane	ND<2.0	400	0.005	1,1-Dichloroethane	ND<2.0	400	0.005
1,2-Dichloroethane (1,2-DCA)	ND<1.6	400	0.004	1,1-Dichloroethene	ND<2.0	400	0.005
cis-1,2-Dichloroethene	ND<2.0	400	0.005	trans-1,2-Dichloroethene	ND<2.0	400	0.005
1,2-Dichloropropane	ND<2.0	400	0.005	1,3-Dichloropropane	ND<2.0	400	0.005
2,2-Dichloropropane	ND<2.0	400	0.005	1,1-Dichloropropene	ND<2.0	400	0.005
cis-1,3-Dichloropropene	ND<2.0	400	0.005	trans-1,3-Dichloropropene	ND<2.0	400	0.005
Diisopropyl ether (DIPE)	ND<2.0	400	0.005	Ethanol	ND<200	400	0.5
Ethylbenzene	5.0	400	0.005	Ethyl tert-butyl ether (ETBE)	ND<2.0	400	0.005
Freon 113	ND<40	400	0.1	Hexachlorobutadiene	ND<2.0	400	0.005
Hexachloroethane	ND<2.0	400	0.005	2-Hexanone	ND<2.0	400	0.005
Isopropylbenzene	ND<2.0	400	0.005	4-Isopropyl toluene	ND<2.0	400	0.005
Methanol	ND<2000	400	5.0	Methyl-t-butyl ether (MTBE)	ND<2.0	400	0.005
Methylene chloride	ND<2.0	400	0.005	4-Methyl-2-pentanone (MIBK)	ND<2.0	400	0.005
Naphthalene	17	400	0.005	n-Propyl benzene	2.4	400	0.005
Styrene	ND<2.0	400	0.005	1,1,1,2-Tetrachloroethane	ND<2.0	400	0.005
1,1,2,2-Tetrachloroethane	ND<2.0	400	0.005	Tetrachloroethene	ND<2.0	400	0.005
Toluene	14	400	0.005	1,2,3-Trichlorobenzene	ND<2.0	400	0.005
1,2,4-Trichlorobenzene	ND<2.0	400	0.005	1,1,1-Trichloroethane	ND<2.0	400	0.005
1,1,2-Trichloroethane	ND<2.0	400	0.005	Trichloroethene	ND<2.0	400	0.005
Trichlorofluoromethane	ND<2.0	400	0.005	1,2,3-Trichloropropane	ND<2.0	400	0.005
1,2,4-Trimethylbenzene	28	400	0.005	1,3,5-Trimethylbenzene	6.9	400	0.005
Vinyl Chloride	ND<2.0	400	0.005	Xylenes	32	400	0.005

### Surrogate Recoveries (%)

%SS1:	83	%SS2:	97
%SS3:	83		

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 01/25/11
	Client Contact: Nathan Lee	Date Received: 01/25/11
	Client P.O.:	Date Extracted: 01/25/11
		Date Analyzed 01/26/11

### CAM / CCR 17 Metals\*

Lab ID	1101563-001A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	OT-1					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

### ICP Metals, Concentration\*

Analytical Method: SW6020

Extraction Method: SW3050B

Work Order: 1101563

Dilution Factor	1				1	1
Antimony	ND				0.5	NA
Arsenic	1.6				0.5	NA
Barium	43				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	1.3				0.25	NA
Chromium	30				0.5	NA
Cobalt	1.9				0.5	NA
Copper	7.0				0.5	NA
Lead	110				0.5	NA
Mercury	ND				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	11				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	23				0.5	NA
Zinc	360				5.0	NA
%SS:	104					

#### Comments

\*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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.

TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.

DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor









**QC SUMMARY REPORT FOR SW8082**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55781

WorkOrder 1101563

EPA Method SW8082		Extraction SW3550B							Spiked Sample ID: 1101538-019A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.15	89.1	88.3	0.715	87.2	90.5	3.73	70 - 130	20	70 - 130	20
%SS:	119	0.050	121	122	0.933	103	101	1.81	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 55781 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101563-001A	01/25/11 9:30 AM	01/25/11	01/25/11 9:58 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 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.



### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55785

WorkOrder 1101563

Analyte	Extraction SW5030B		Spiked Sample ID: 1101543-002b						Acceptance Criteria (%)			
	Sample mg/Kg	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	84.9	84.1	0.897	96.8	95.4	1.45	70 - 130	30	70 - 130	30
Benzene	ND	0.050	110	113	2.66	114	114	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	87.8	88.9	1.29	91.9	88.7	3.50	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	109	110	1.36	110	110	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	95.9	96.9	1.06	98.4	97.2	1.23	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	100	100	0	103	102	1.26	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	119	121	1.97	121	121	0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	116	118	1.48	119	118	0.854	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	102	0.930	103	102	0.868	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	108	108	0	110	109	1.18	70 - 130	30	70 - 130	30
Toluene	ND	0.050	113	116	2.63	116	116	0	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	114	119	3.86	119	118	0.594	70 - 130	30	70 - 130	30
%SS1:	81	0.13	95	95	0	96	94	1.53	70 - 130	30	70 - 130	30
%SS2:	108	0.13	103	103	0	104	102	1.12	70 - 130	30	70 - 130	30
%SS3:	96	0.013	91	93	1.85	92	92	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 55785 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101563-001A	01/25/11 9:30 AM	01/25/11	01/25/11 5:51 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 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 SW6020

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1101563

EPA Method SW6020		Extraction SW3050B				BatchID: 55717			Spiked Sample ID: 1101444-003A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	99.2	96.5	2.76	10	92.3	88.9	3.79	75 - 125	20	75 - 125	20
Arsenic	2.3	50	103	97.6	4.91	10	97.5	98	0.552	75 - 125	20	75 - 125	20
Barium	75	500	104	102	2.27	100	94.7	92	2.92	75 - 125	20	75 - 125	20
Beryllium	ND	50	86.5	83.4	3.65	10	90.2	88.2	2.29	75 - 125	20	75 - 125	20
Cadmium	ND	50	102	99.3	3.08	10	97.5	95	2.56	75 - 125	20	75 - 125	20
Chromium	11	50	97.5	90.3	6.16	10	100	96.2	4.13	75 - 125	20	75 - 125	20
Cobalt	5.4	50	106	102	3.20	10	107	104	2.65	75 - 125	20	75 - 125	20
Copper	13	50	103	94.3	7.30	10	81.3	75.4	7.58	75 - 125	20	75 - 125	20
Lead	49	50	105	101	2.24	10	97.4	95.1	2.43	75 - 125	20	75 - 125	20
Mercury	0.092	1.25	98.3	96.4	1.83	0.25	98.9	96.2	2.75	75 - 125	20	75 - 125	20
Molybdenum	ND	50	99.5	97.6	1.89	10	95.1	91.2	4.23	75 - 125	20	75 - 125	20
Nickel	7.3	50	102	95.4	6.07	10	102	95.9	6.42	75 - 125	20	75 - 125	20
Selenium	ND	50	106	109	2.72	10	106	102	3.85	75 - 125	20	75 - 125	20
Silver	ND	50	101	98	3.06	10	97.8	94.6	3.34	75 - 125	20	75 - 125	20
Thallium	ND	50	101	98.5	2.49	10	94	92.4	1.64	75 - 125	20	75 - 125	20
Vanadium	34	50	101	89.9	6.61	10	96.3	94	2.44	75 - 125	20	75 - 125	20
Zinc	51	500	104	97.7	6.04	100	97	95.1	2.00	75 - 125	20	75 - 125	20
%SS:	95	500	96	95	0.712	500	99	96	3.40	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 55717 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101563-001A	01/25/11 9:30 AM	01/25/11	01/26/11 6:16 AM	1101563-001A	01/25/11 9:30 AM	01/25/11	01/26/11 1:21 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 / %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 SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55736

WorkOrder 1101563

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1101485-001A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	119	112	6.30	120	126	4.78	70 - 130	20	70 - 130	20
MTBE	ND	0.10	115	112	2.95	116	116	0	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.9	94.6	2.39	94.8	93.6	1.29	70 - 130	20	70 - 130	20
Toluene	ND	0.10	93.8	91.7	2.18	92.6	90.4	2.34	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	93.7	91.2	2.71	93	90.6	2.59	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	93.5	90.6	3.18	92.8	90.5	2.57	70 - 130	20	70 - 130	20
%SS:	77	0.10	99	96	2.49	93	93	0	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 55736 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101563-001A	01/25/11 9:30 AM	01/25/11	01/26/11 11:15 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.

£ 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 SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 55807

WorkOrder 1101563

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1101563-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	14,000	40	NR	NR	NR	118	119	1.51	70 - 130	30	70 - 130	30
%SS:	---#	25	---#	---#	N/A	84	83	1.08	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 55807 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1101563-001A	01/25/11 9:30 AM	01/25/11	01/26/11 10:58 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.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
		Date Received: 04/06/11
	Client Contact: Nathan Lee	Date Reported: 04/07/11
	Client P.O.:	Date Completed: 04/07/11

**WorkOrder: 1104140**

April 07, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **2** analyzed samples from your project: **#311956; Chevron 9-0020,**
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.





# McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD  
PITTSBURG, CA 94565-1701

Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Telephone: (877) 252-9262 Fax: (925) 252-9269

1104140

## CHAIN OF CUSTODY RECORD

TURN AROUND TIME

GeoTracker EDF  PDF  Excel  Write On (DW)   
 Check if sample is effluent and "J" flag is required

RUSH  24 HR  48 HR  72 HR  5 DAY

Report To: NATE LEE (CRA) Bill To: NATE LEE (CRA)  
 Company: CRA - EMERYVILLE  
 5900 HOLLIS ST., SUITE A, EMERYVILLE, CA 94608  
 E-Mail: [nlee@cravorld.com](mailto:nlee@cravorld.com)  
 Tele: (510) 420-3344 Fax: (510) 420-9170  
 Project #: 311956 Project Name: CHEVRON 9-0020  
 Project Location: 1633 HARRISON ST., OAKLAND, CALIFORNIA  
 Sampler Signature: *[Signature]*

Analysis Request Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other			
OT-2	OT	2011/04/06	1030	1	TUBE	X					X			X			
OT-3	OT	2011/04/06	1040	1	TUBE	X					X			X			

TPH as Diesel (8015) W/ SILICA GEL CLEANUP  
 Total Petroleum Oil & Grease (1664 / 5570 E/R&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 524.2 / 624 (2260) (VOCs) + 7 OPERATES  
 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)  
 Filter sample for DISSOLVED metals analysis  
 BOIS W/ SILICA GEL  
 TPH AS DIESEL OIL CLEANUP

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

Relinquished By: *[Signature]* Date: 2011/04/06 Time: 14:30 Received By: *[Signature]*  
 Relinquished By: *[Signature]* Date: 4/11/11 Time: 1600 Received By: *[Signature]*  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

ICE# 542  
 GOOD CONDITION ✓  
 HEAD SPACE ABSENT ✓  
 DECHLORINATED IN LAB ✓  
 APPROPRIATE CONTAINERS ✓  
 PRESERVED IN LAB ✓  
 COMMENTS: CONTACT NATE LEE IF LEAD BY 6010 > 50 mg/kg  
 VOAS O&G METALS OTHER  
 PRESERVATION pH<2

# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

**WorkOrder: 1104140**

**ClientCode: CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

<b>Report to:</b> Nathan Lee Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608 (510) 420-3327    FAX (510) 420-9170	Email: nlee@craworld.com cc: PO: ProjectNo: #311956; Chevron 9-0020	<b>Bill to:</b> Accounts Payable Conestoga-Rovers & Associates 5900 Hollis St, Ste. A Emeryville, CA 94608	<b>Requested TAT: 1 day</b>  <b>Date Received: 04/06/2011</b> <b>Date Printed: 04/06/2011</b>
---	--	--	--

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1104140-001	OT-2	Soil	4/6/2011 10:30	<input type="checkbox"/>	A	A	A	A	A	A						
1104140-002	OT-3	Soil	4/6/2011 10:40	<input type="checkbox"/>	A	A	A	A		A						

**Test Legend:**

1	8082A_PCB_S	2	8260B+7OXY_S	3	8270D_S	4	LUFT_S	5	PREFD REPORT
6	TPH(D)WSG_S	7		8		9		10	
11		12							

The following SamplIDs: 001A, 002A contain testgroup.

**Prepared by: Melissa Valles**

**Comments:**

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



**Sample Receipt Checklist**

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **4/6/2011 4:32:13 PM**

Project Name: **#311956; Chevron 9-0020**

Checklist completed and reviewed by: **Melissa Valles**

WorkOrder N°: **1104140** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

**Chain of Custody (COC) Information**

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

**Sample Receipt Information**

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

**Sample Preservation and Hold Time (HT) Information**

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 5.2°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:



# McC Campbell Analytical, Inc.

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/07/11

### Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

Extraction Method: SW3550B

Analytical Method: SW8082

Work Order: 1104140

Lab ID	1104140-001A	1104140-002A			Reporting Limit for DF =1	
Client ID	OT-2	OT-3				
Matrix	S	S				
DF	1	1				

Compound	Concentration				mg/kg	ug/L
	Aroclor1016	ND	ND			0.05
Aroclor1221	ND	ND			0.05	NA
Aroclor1232	ND	ND			0.05	NA
Aroclor1242	ND	ND			0.05	NA
Aroclor1248	ND	ND			0.05	NA
Aroclor1254	ND	ND			0.05	NA
Aroclor1260	ND	ND			0.05	NA
PCBs, total	ND	ND			0.05	NA

### Surrogate Recoveries (%)

%SS:	91	91			
------	----	----	--	--	--

**Comments**

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

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

# surrogate diluted out of range or surrogate coelutes with another peak.



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/07/11

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1104140

Lab ID	1104140-001A
Client ID	OT-2
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	Ethanol	ND	1.0	0.5
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
Methanol	ND	1.0	5.0	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
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

#### Surrogate Recoveries (%)

%SS1:	94	%SS2:	112
%SS3:	97		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/07/11

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1104140

Lab ID	1104140-002A
Client ID	OT-3
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	Ethanol	ND	1.0	0.5
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
Methanol	ND	1.0	5.0	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
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

#### Surrogate Recoveries (%)

%SS1:	93	%SS2:	112
%SS3:	99		

#### 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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



Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/07/11

**Semi-Volatile Organics by GC/MS (Basic Target List)\***

Extraction Method: SW3550B

Analytical Method: SW8270C

Work Order: 1104140

Lab ID	1104140-001A
Client ID	OT-2
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	1.6
1,1-Biphenyl	ND	1.0	0.33	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

**Surrogate Recoveries (%)**

%SS1:	76	%SS2:	64
%SS3:	71	%SS4:	75
%SS5:	53	%SS6:	81

**Comments:**

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

ND means not detected at or above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

#) surrogate diluted out of range or surrogate coelutes with another peak.



Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/07/11

**Semi-Volatile Organics by GC/MS (Basic Target List)\***

Extraction Method: SW3550B

Analytical Method: SW8270C

Work Order: 1104140

Lab ID	1104140-002A
Client ID	OT-3
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	1.6
1,1-Biphenyl	ND	1.0	0.33	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

**Surrogate Recoveries (%)**

%SS1:	76	%SS2:	59
%SS3:	70	%SS4:	78
%SS5:	48	%SS6:	85

**Comments:**

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

ND means not detected at or above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

#) surrogate diluted out of range or surrogate coelutes with another peak.







# McC Campbell Analytical, Inc.

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/07/11

### LUFT 5 Metals\*

Extraction method: SW3050B

Analytical methods: SW6010B

Work Order: 1104140

Lab ID	Client ID	Matrix	Extraction Type	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS	Comments
001A	OT-2	S	TOTAL	ND	52	ND	38	23	1	101	
002A	OT-3	S	TOTAL	ND	71	ND	55	39	1	105	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA	NA	NA	NA	NA
	S	TOTAL	1.5	1.5	5.0	1.5	5.0	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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.  
 TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.  
 DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard  
 DF = Dilution Factor

 Angela Rydelius, Lab Manager



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 04/06/11
	Client Contact: Nathan Lee	Date Received: 04/06/11
	Client P.O.:	Date Extracted: 04/06/11
		Date Analyzed: 04/06/11-04/07/11

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up\*

Extraction method: SW3550B/3630C

Analytical methods: SW8015B

Work Order: 1104140

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1104140-001A	OT-2	S	ND	ND	1	98	
1104140-002A	OT-3	S	ND	ND	1	104	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

\* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

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

 Angela Rydelius, Lab Manager



### QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57501

WorkOrder 1104140

EPA Method SW8082		Extraction SW3550B							Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	0.15	N/A	N/A	N/A	117	115	1.88	N/A	N/A	70 - 130	20
%SS:	N/A	0.050	N/A	N/A	N/A	72	74	1.86	N/A	N/A	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 57501 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104140-001A	04/06/11 10:30 AM	04/06/11	04/07/11 5:10 AM	1104140-002A	04/06/11 10:40 AM	04/06/11	04/07/11 2:24 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.

# surrogate diluted out of range or surrogate coelutes with another peak.



### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57454

WorkOrder 1104140

Analyte	Extraction SW5030B								Spiked Sample ID: 1104091-003A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	83.3	82.8	0.619	79.6	80.6	1.18	70 - 130	30	70 - 130	30
Benzene	ND	0.050	112	111	0.782	104	105	1.84	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	95.4	94.9	0.613	93.7	96.3	2.70	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	112	110	1.68	105	108	2.56	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	91.4	90.9	0.566	86	89.5	3.92	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	103	102	0.942	96.5	97.7	1.22	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	121	120	0.639	113	116	2.91	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	111	110	1.23	105	107	1.99	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	107	106	1.31	101	103	2.12	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	109	107	2.49	103	105	2.09	70 - 130	30	70 - 130	30
Toluene	ND	0.050	116	115	0.922	109	112	2.44	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	111	110	1.64	103	107	3.12	70 - 130	30	70 - 130	30
%SS1:	93	0.12	95	95	0	94	93	0.797	70 - 130	30	70 - 130	30
%SS2:	111	0.12	111	112	1.19	112	112	0	70 - 130	30	70 - 130	30
%SS3:	95	0.012	96	101	5.03	100	100	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 57454 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104140-001A	04/06/11 10:30 AM	04/06/11	04/07/11 3:52 AM	1104140-002A	04/06/11 10:40 AM	04/06/11	04/07/11 4:33 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 SW8270C

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57433

WorkOrder 1104140

Table with columns: EPA Method SW8270C, Extraction SW3550B, Spiked Sample ID: 1104061-012A, Analyte, Sample mg/Kg, Spiked mg/Kg, MS % Rec., MSD % Rec., MS-MSD % RPD, LCS % Rec., LCSD % Rec., LCS-LCSD % RPD, and Acceptance Criteria (%).

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

BATCH 57433 SUMMARY

Summary table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed, Lab ID, Date Sampled, Date Extracted, Date Analyzed.

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

#) surrogate diluted out of range; & = low or no recovery of surrogate or target analytes due to matrix interference.

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



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57426

WorkOrder 1104140

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1104053-012A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>£</sup>	ND	0.60	118	118	0	111	110	0.524	70 - 130	20	70 - 130	20
MTBE	ND	0.10	90.3	92.4	2.25	86	80.7	6.44	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.6	94.7	4.40	88.3	88.8	0.555	70 - 130	20	70 - 130	20
Toluene	ND	0.10	88.3	92.7	4.84	86.1	86.2	0.0288	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	89.9	94.1	4.62	87.1	87.4	0.360	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	89.8	93.8	4.42	86.6	86.2	0.488	70 - 130	20	70 - 130	20
%SS:	98	0.10	93	83	11.2	90	86	4.35	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 57426 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104140-001A	04/06/11 10:30 AM	04/06/11	04/07/11 1:15 AM	1104140-002A	04/06/11 10:40 AM	04/06/11	04/07/11 2:44 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.

£ 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1104140

EPA Method SW6010B		Extraction SW3050B				BatchID: 57489			Spiked Sample ID: 1104125-001A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	ND	50	98.7	98.4	0.355	10	88	79.2	10.5	75 - 125	25	75 - 125	25
Chromium	10	50	94.6	98.2	3.14	10	95.2	91.8	3.64	75 - 125	25	75 - 125	25
Lead	ND	50	101	98.4	2.91	10	87	79.6	8.76	75 - 125	25	75 - 125	25
Nickel	5.4	50	94.6	95.9	1.18	10	88	87.1	1.00	75 - 125	25	75 - 125	25
Zinc	11	500	102	96.1	5.49	100	96.5	95.2	1.38	75 - 125	25	75 - 125	25
%SS:	100	500	100	104	3.82	500	104	104	0	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 57489 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104140-001A	04/06/11 10:30 AM	04/06/11	04/07/11 11:49 AM	1104140-002A	04/06/11 10:40 AM	04/06/11	04/07/11 11:52 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 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 SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57502

WorkOrder 1104140

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1104138-009A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	86.1	99.1	14.0	102	105	2.60	70 - 130	30	70 - 130	30
%SS:	101	25	90	105	15.3	91	93	2.02	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 57502 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1104140-001A	04/06/11 10:30 AM	04/06/11	04/07/11 4:11 AM	1104140-002A	04/06/11 10:40 AM	04/06/11	04/06/11 10:36 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 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.



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 05/03/11
		Date Received: 05/05/11
	Client Contact: Nathan Lee	Date Reported: 05/06/11
	Client P.O.:	Date Completed: 05/06/11

**WorkOrder: 1105143**

May 06, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **3** analyzed samples from your project: **#311956; 9-0020**,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

**WorkOrder: 1105143**

**ClientCode: CETE**

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

<b>Report to:</b>	<b>Bill to:</b>	<b>Requested TAT:</b>
Nathan Lee	Accounts Payable	<b>1 day</b>
Conestoga-Rovers & Associates	Conestoga-Rovers & Associates	<i>Date Received:</i> <b>05/05/2011</b>
5900 Hollis St, Suite A	5900 Hollis St, Ste. A	<i>Date Printed:</i> <b>05/05/2011</b>
Emeryville, CA 94608	Emeryville, CA 94608	
(510) 420-3327    FAX: (510) 420-9170		

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1105143-001	GT-1-8	Soil	5/3/2011 11:15	<input type="checkbox"/>	A	A	A	A								
1105143-002	GT-2-5	Soil	5/3/2011 11:37	<input type="checkbox"/>	A	A		A								
1105143-003	GT-3-5	Soil	5/3/2011 11:40	<input type="checkbox"/>	A	A		A								

**Test Legend:**

1	8260B_S	2	LUFT_S	3	PREFD REPORT	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampleIDs: 001A, 002A, 003A contain testgroup.

**Prepared by: Zoraida Cortez**

**Comments:**

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



**Sample Receipt Checklist**

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **5/5/2011 5:55:07 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Zoraida Cortez**

WorkOrder N°: **1105143** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

**Chain of Custody (COC) Information**

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

**Sample Receipt Information**

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

**Sample Preservation and Hold Time (HT) Information**

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 2.8°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
- Samples Received on Ice? Yes  No

(Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:



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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 05/03/11
		Date Received: 05/05/11
	Client Contact: Nathan Lee	Date Extracted: 05/05/11
	Client P.O.:	Date Analyzed: 05/06/11

### Volatile Organics by P&T and GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1105143

Lab ID	1105143-001A	1105143-002A	1105143-003A		Reporting Limit for DF =1	
Client ID	GT-1-8	GT-2-5	GT-3-5			
Matrix	S	S	S			
DF	20	1	20			

Compound	Concentration				mg/kg	ug/L
	Benzene	0.12	ND	ND<0.10		0.005
Ethylbenzene	1.3	ND	0.49		0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.10	ND	ND<0.10		0.005	NA
Toluene	1.0	ND	ND<0.10		0.005	NA
Xylenes, Total	5.1	0.0082	1.2		0.005	NA

### Surrogate Recoveries (%)

%SS1:	94	94	94		
%SS2:	102	106	100		
%SS3:	100	100	99		

### 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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





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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 05/03/11
		Date Received: 05/05/11
	Client Contact: Nathan Lee	Date Extracted: 05/05/11
	Client P.O.:	Date Analyzed: 05/06/11

### LUFT 5 Metals\*

Extraction method: SW3050B

Analytical methods: SW6020

Work Order: 1105143

Lab ID	Client ID	Matrix	Extraction Type	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS	Comments
001A	GT-1-8	S	TOTAL	ND	64	29	41	24	1	102	
002A	GT-2-5	S	TOTAL	ND	65	11	50	36	1	105	
003A	GT-3-5	S	TOTAL	ND	74	65	59	49	1	126	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA	NA	NA	NA	NA
	S	TOTAL	0.25	0.5	0.5	0.5	5.0	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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.  
 TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.  
 DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard  
 DF = Dilution Factor







### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58163

WorkOrder 1105143

EPA Method SW8260B	Extraction SW5030B								Spiked Sample ID: 1105147-001A			
	Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	89.3	94.2	5.41	94	92.4	1.78	70 - 130	30	70 - 130	30
Benzene	ND	0.050	110	118	7.12	115	115	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	101	101	0	102	99.1	2.69	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	102	106	4.28	108	106	1.95	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	93.8	100	6.76	100	102	1.72	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	107	113	5.24	112	110	1.27	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	116	129	11.0	129	127	1.63	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	118	125	5.60	124	122	1.45	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	111	116	4.92	115	113	1.74	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	122	126	3.63	127	124	2.20	70 - 130	30	70 - 130	30
Toluene	ND	0.050	111	118	6.28	116	114	1.72	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	101	109	7.54	109	108	1.06	70 - 130	30	70 - 130	30
%SS1:	92	0.12	86	87	1.14	86	87	1.16	70 - 130	30	70 - 130	30
%SS2:	107	0.12	104	104	0	102	103	1.49	70 - 130	30	70 - 130	30
%SS3:	99	0.012	106	105	0.841	104	107	2.52	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 58163 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105143-001A	05/03/11 11:15 AM	05/05/11	05/06/11 1:13 AM	1105143-002A	05/03/11 11:37 AM	05/05/11	05/06/11 12:35 AM
1105143-003A	05/03/11 11:40 AM	05/05/11	05/06/11 1:52 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 SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57996

WorkOrder 1105143

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1104808-002A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	121	118	2.51	117	113	3.66	70 - 130	20	70 - 130	20
MTBE	ND	0.10	98.2	102	4.16	93.4	106	12.6	70 - 130	20	70 - 130	20
Benzene	ND	0.10	89.2	92.1	3.27	88.5	95.5	7.55	70 - 130	20	70 - 130	20
Toluene	ND	0.10	88.8	91.3	2.74	87.8	94	6.85	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	89.7	92.8	3.49	88.8	95.2	7.04	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	89.7	92.3	2.86	88	94.4	7.00	70 - 130	20	70 - 130	20
%SS:	90	0.10	79	81	2.75	80	84	5.70	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 57996 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105143-001A	05/03/11 11:15 AM	05/05/11	05/06/11 11:57 AM	1105143-002A	05/03/11 11:37 AM	05/05/11	05/06/11 7:44 AM
1105143-003A	05/03/11 11:40 AM	05/05/11	05/06/11 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.

£ 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 SW6020

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 1105143

EPA Method SW6020		Extraction SW3050B					BatchID: 58169			Spiked Sample ID: 1105159-004A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	0.51	50	116	120	3.08	10	96.6	99.2	2.67	75 - 125	20	75 - 125	20
Chromium	49	50	106	110	1.74	10	96	114	16.9	75 - 125	20	75 - 125	20
Lead	240	50	NR	NR	NR	10	93.3	96.1	2.95	75 - 125	20	75 - 125	20
Nickel	52	50	NR	NR	NR	10	100	115	13.9	75 - 125	20	75 - 125	20
Zinc	510	500	NR	NR	NR	100	101	115	13.4	75 - 125	20	75 - 125	20
%SS:	120	500	124	128	3.43	500	97	96	1.87	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 58169 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105143-001A	05/03/11 11:15 AM	05/05/11	05/06/11 3:11 PM	1105143-002A	05/03/11 11:37 AM	05/05/11	05/06/11 3:17 PM
1105143-003A	05/03/11 11:40 AM	05/05/11	05/06/11 3:23 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.



**QC SUMMARY REPORT FOR SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58159

WorkOrder 1105143

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1105140-040A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	41	40	99	114	7.31	107	110	2.42	70 - 130	30	70 - 130	30
%SS:	104	25	90	102	12.9	92	94	2.95	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 58159 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105143-001A	05/03/11 11:15 AM	05/05/11	05/06/11 1:54 PM	1105143-002A	05/03/11 11:37 AM	05/05/11	05/06/11 10:27 AM
1105143-003A	05/03/11 11:40 AM	05/05/11	05/06/11 9:25 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.



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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 05/03/11
		Date Received: 05/03/11
	Client Contact: Nathan Lee	Date Reported: 05/04/11
	Client P.O.:	Date Completed: 05/04/11

**WorkOrder: 1105052**

May 04, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **1** analyzed sample from your project: **#311956; 9-0020**,
- 2) A QC report for the above sample,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.





### Contingent analyses

- Organic lead required if TTLC lead  $\geq 13$  mg/kg
- Aquatic bioassay required if **any** TPH (gasoline, diesel, or motor oil)  $\geq 5,000$  mg/kg
- TCLP benzene required if benzene  $\geq 10$  mg/kg
- TCLP and STLC required for metals per table below

Metal	Trigger level TTLC (mg/kg)	Requirement
Antimony	150	STLC required if TTLC $\geq 150$ mg/kg
Arsenic	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Barium	1,000/2,000	STLC required if TTLC $\geq 1,000$ mg/kg; STLC and TCLP required if TTLC $\geq 2,000$ mg/kg
Beryllium	7.5	STLC required if TTLC $\geq 7.5$ mg/kg
Cadmium	10/20	STLC required if TTLC $\geq 10$ mg/kg; STLC and TCLP required if TTLC $\geq 20$ mg/kg
Chromium	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Cobalt	800	STLC required if TTLC $\geq 800$ mg/kg
Copper	250	STLC required if TTLC $\geq 250$ mg/kg
Lead	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Mercury	2/4	STLC required if TTLC $\geq 2$ mg/kg; STLC and TCLP required if TTLC $\geq 4$ mg/kg
Molybdenum	350	STLC required if TTLC $\geq 350$ mg/kg
Nickel	200	STLC required if TTLC $\geq 200$ mg/kg
Selenium	10/20	STLC required if TTLC $\geq 10$ mg/kg; STLC and TCLP required if TTLC $\geq 20$ mg/kg
Silver	50/100	STLC required if TTLC $\geq 50$ mg/kg; STLC and TCLP required if TTLC $\geq 100$ mg/kg
Thallium	70	STLC required if TTLC $\geq 70$ mg/kg
Vanadium	240	STLC required if TTLC $\geq 240$ mg/kg
Zinc	2,500	STLC required if TTLC $\geq 2,500$ mg/kg



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(925) 252-9262

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 1105052**

**ClientCode: CETE**

WaterTrax    WriteOn    EDF    Excel    Fax    Email    HardCopy    ThirdParty    J-flag

Report to: Nathan Lee  
Conestoga-Rovers & Associates  
5900 Hollis St, Suite A  
Emeryville, CA 94608  
(510) 420-3369   FAX (510) 420-9170

Email: nlee@croworld.com  
cc: kgripper@croworld.com  
PO:  
ProjectNo: #311956; 9-0020

Bill to: Accounts Payable  
Conestoga-Rovers & Associates  
5900 Hollis St, Ste. A  
Emeryville, CA 94608

Requested TAT: **1 day**  
*Date Received: 05/03/2011*  
*Date Printed: 05/03/2011*

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1105052-001	C-1	Soil	5/3/2011 11:47	<input type="checkbox"/>	A	A	A	A									

**Test Legend:**

1	LUFT_S	2	MBTEX-8260B_S	3	PREFD REPORT	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

**Prepared by: Maria Venegas**

**Comments:** 24hr Rush. PLEASE NOTE CONDITIONALS ATTACHED!

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



### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **5/3/2011 4:15:52 PM**

Project Name: **#311956; 9-0020**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1105052** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

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

#### Sample Receipt Information

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

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 14.6°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:







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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; 9-0020	Date Sampled: 05/03/11
		Date Received: 05/03/11
	Client Contact: Nathan Lee	Date Extracted: 05/03/11
	Client P.O.:	Date Analyzed: 05/03/11

### MTBE and BTEX by GC/MS\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1105052

Lab ID	1105052-001A				Reporting Limit for DF =1	
Client ID	C-1					
Matrix	S					
DF	50					S

Compound	Concentration				mg/kg	ug/L
Benzene	ND<0.25				0.005	NA
Ethylbenzene	1.2				0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.25				0.005	NA
Toluene	0.64				0.005	NA
Xylenes	5.9				0.005	NA

### Surrogate Recoveries (%)

%SS1:	81				
%SS2:	86				

### 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/method detection 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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor





**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57996

WorkOrder 1105052

Analyte	EPA Method SW8015Bm		Extraction SW5030B						Spiked Sample ID: 1104808-002A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	121	118	2.51	117	113	3.66	70 - 130	20	70 - 130	20
MTBE	ND	0.10	98.2	102	4.16	93.4	106	12.6	70 - 130	20	70 - 130	20
Benzene	ND	0.10	89.2	92.1	3.27	88.5	95.5	7.55	70 - 130	20	70 - 130	20
Toluene	ND	0.10	88.8	91.3	2.74	87.8	94	6.85	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	89.7	92.8	3.49	88.8	95.2	7.04	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	89.7	92.3	2.86	88	94.4	7.00	70 - 130	20	70 - 130	20
%SS:	90	0.10	79	81	2.75	80	84	5.70	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 57996 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105052-001A	05/03/11 11:47 AM	05/03/11	05/03/11 10:45 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1105052

EPA Method SW6010B		Extraction SW3050B				BatchID: 58049			Spiked Sample ID: 1105016-002A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	ND	50	111	104	6.33	10	97	93.1	4.05	75 - 125	25	75 - 125	25
Chromium	35	50	112	104	4.32	10	101	98	3.48	75 - 125	25	75 - 125	25
Lead	37	50	116	104	6.35	10	106	88	18.2	75 - 125	25	75 - 125	25
Nickel	20	50	114	104	6.55	10	104	96.4	7.15	75 - 125	25	75 - 125	25
Zinc	72	500	115	110	4.02	100	102	99.6	1.99	75 - 125	25	75 - 125	25
%SS:	99	500	102	97	4.72	500	99	100	1.20	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 58049 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105052-001A	05/03/11 11:47 AM	05/03/11	05/04/11 9:31 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 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 SW8260B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58032

WorkOrder 1105052

EPA Method SW8260B	Extraction SW5030B								Spiked Sample ID: 1104850-002A			
	Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	0.050	96.6	109	12.4	82.6	95.5	14.5	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	98.9	106	6.62	92.1	95.3	3.42	70 - 130	30	70 - 130	30
Toluene	ND	0.050	100	112	10.9	85.1	98.3	14.3	70 - 130	30	70 - 130	30
%SS1:	94	0.12	97	96	0.809	97	97	0	70 - 130	30	70 - 130	30
%SS2:	99	0.12	103	103	0	104	104	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 58032 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105052-001A	05/03/11 11:47 AM	05/03/11	05/03/11 11:48 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 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 SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 57986

WorkOrder 1105052

EPA Method SW8015B		Extraction SW3550B/3630C							Spiked Sample ID: 1104794-026A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	106	106	0	100	103	2.69	70 - 130	30	70 - 130	30
%SS:	109	25	91	90	0.783	84	88	4.51	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 57986 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105052-001A	05/03/11 11:47 AM	05/03/11	05/04/01 12:29 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 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.



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 05/27/11
		Date Received: 05/27/11
	Client Contact: Nathan Lee	Date Reported: 05/31/11
	Client P.O.:	Date Completed: 05/31/11

**WorkOrder: 1105893**

May 31, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **8** analyzed samples from your project: **#311956; Chevron 9-0020,**
- 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 McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1105893

ClientCode: CETE

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

**Report to:**  
 Nathan Lee  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Suite A  
 Emeryville, CA 94608  
 (510) 420-3327    FAX (510) 420-9170

**Email:** nlee@craworld.com  
**cc:**  
**PO:**  
**ProjectNo:** #311956; Chevron 9-0020

**Bill to:**  
 Accounts Payable  
 Conestoga-Rovers & Associates  
 5900 Hollis St, Ste. A  
 Emeryville, CA 94608

**Requested TAT:** 1 day  
**Date Received:** 05/27/2011  
**Date Printed:** 05/27/2011

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1105893-001	OE-E-10.4	Soil	5/27/2011 12:10	<input type="checkbox"/>	A	A	A									
1105893-002	OE-E-7	Soil	5/27/2011 12:20	<input type="checkbox"/>	A	A	A									
1105893-003	OE-N-7	Soil	5/27/2011 12:27	<input type="checkbox"/>	A	A	A									
1105893-004	OE-C-12.5	Soil	5/27/2011 14:13	<input type="checkbox"/>	A	A	A									
1105893-005	OE-S-7.8	Soil	5/27/2011 14:17	<input type="checkbox"/>	A	A	A									
1105893-006	OE-W-6.3	Soil	5/27/2011 14:27	<input type="checkbox"/>	A	A	A									
1105893-007	OE-W-11.4	Soil	5/27/2011 14:26	<input type="checkbox"/>	A	A	A									
1105893-008	OE-W2-6.3	Soil	5/27/2011 14:40	<input type="checkbox"/>	A	A	A									

**Test Legend:**

1	G-MBTX_S	2	LUFT_S	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

**Prepared by: Ana Venegas**

**Comments:** 24hr rush

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



**Sample Receipt Checklist**

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **5/27/2011 6:29:04 PM**

Project Name: **#311956; Chevron 9-0020**

Checklist completed and reviewed by: **Ana Venegas**

WorkOrder N°: **1105893** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

**Chain of Custody (COC) Information**

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

**Sample Receipt Information**

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

**Sample Preservation and Hold Time (HT) Information**

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 9.8°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

=====

Client contacted:

Date contacted:

Contacted by:

Comments:



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 05/27/11
	Client Contact: Nathan Lee	Date Received: 05/27/11
	Client P.O.:	Date Extracted: 05/27/11
		Date Analyzed: 05/28/11

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

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1105893

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	OE-E-10.4	S	ND	ND	ND	ND	ND	ND	1	99	
002A	OE-E-7	S	4.1	ND	ND	0.015	ND	0.018	1	98	d7
003A	OE-N-7	S	ND	ND	ND	ND	ND	ND	1	100	
004A	OE-C-12.5	S	ND	ND	ND	ND	ND	ND	1	104	
005A	OE-S-7.8	S	ND	ND	ND	ND	ND	ND	1	99	
006A	OE-W-6.3	S	ND	ND	ND	ND	ND	ND	1	105	
007A	OE-W-11.4	S	ND	ND	ND	ND	ND	ND	1	102	
008A	OE-W2-6.3	S	ND	ND	ND	ND	ND	ND	1	100	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	mg/Kg

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

# cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram



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

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 05/27/11
	Client Contact: Nathan Lee	Date Received: 05/27/11
	Client P.O.:	Date Extracted: 05/27/11
		Date Analyzed: 05/31/11

### LUFT 5 Metals\*

Extraction method: SW3050B

Analytical methods: SW6010B

Work Order: 1105893

Lab ID	Client ID	Matrix	Extraction Type	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS	Comments
001A	OE-E-10.4	S	TOTAL	ND	61	ND	47	24	1	101	
002A	OE-E-7	S	TOTAL	ND	76	140	38	33	1	91	
003A	OE-N-7	S	TOTAL	ND	62	ND	36	25	1	93	
004A	OE-C-12.5	S	TOTAL	ND	45	ND	51	18	1	99	
005A	OE-S-7.8	S	TOTAL	ND	100	ND	34	20	1	89	
006A	OE-W-6.3	S	TOTAL	ND	70	ND	39	27	1	97	
007A	OE-W-11.4	S	TOTAL	ND	43	ND	41	19	1	88	
008A	OE-W2-6.3	S	TOTAL	ND	61	ND	33	22	1	96	

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA	NA	NA	NA	NA
	S	TOTAL	1.5	1.5	5.0	1.5	5.0	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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.  
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.  
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard  
DF = Dilution Factor

 Angela Rydelius, Lab Manager





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

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #311956; Chevron 9-0020	Date Sampled: 05/27/11
	Client Contact: Nathan Lee	Date Received: 05/27/11
	Client P.O.:	Date Extracted: 05/27/11
		Date Analyzed: 05/29/11-05/31/11

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up\*

Extraction method: SW3550B/3630C

Analytical methods: SW8015B

Work Order: 1105893

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1105893-001A	OE-E-10.4	S	ND	ND	1	91	
1105893-002A	OE-E-7	S	270	1600	20	107	e7,e2
1105893-003A	OE-N-7	S	ND	ND	1	111	
1105893-004A	OE-C-12.5	S	ND	ND	1	90	
1105893-005A	OE-S-7.8	S	ND	ND	1	103	
1105893-006A	OE-W-6.3	S	ND	ND	1	99	
1105893-007A	OE-W-11.4	S	2.1	8.2	1	92	e7,e2
1105893-008A	OE-W2-6.3	S	2.6	11	1	82	e7,e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

\* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

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

e2) diesel range compounds are significant; no recognizable pattern  
e7) oil range compounds are significant



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58678

WorkOrder 1105893

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 1105861-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>£</sup>	ND	0.60	126	128	2.04	126	128	1.76	70 - 130	20	70 - 130	20
MTBE	ND	0.10	110	115	5.18	106	114	7.03	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.1	92.9	3.37	97.8	97.2	0.601	70 - 130	20	70 - 130	20
Toluene	ND	0.10	95.8	93.4	2.61	97.4	96.6	0.812	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	95.9	93.9	2.17	97.5	96.4	1.08	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	94.3	92.8	1.65	97.4	96.4	1.03	70 - 130	20	70 - 130	20
%SS:	81	0.10	82	79	3.95	82	81	1.60	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 58678 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105893-001A	05/27/11 12:10 PM	05/27/11	05/28/11 1:56 AM	1105893-002A	05/27/11 12:20 PM	05/27/11	05/28/11 2:26 AM
1105893-003A	05/27/11 12:27 PM	05/27/11	05/28/11 2:55 AM	1105893-004A	05/27/11 2:13 PM	05/27/11	05/28/11 3:25 AM
1105893-005A	05/27/11 2:17 PM	05/27/11	05/28/11 3:55 AM	1105893-006A	05/27/11 2:27 PM	05/27/11	05/28/11 4:24 AM
1105893-007A	05/27/11 2:26 PM	05/27/11	05/28/11 4:54 AM	1105893-008A	05/27/11 2:40 PM	05/27/11	05/28/11 5:23 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.

£ 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 1105893

EPA Method SW6010B		Extraction SW3050B				BatchID: 58618			Spiked Sample ID: 1105766-004A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	88	50	97.6	94.8	1.01	10	89.9	89.3	0.697	75 - 125	25	75 - 125	25
%SS:	104	500	104	107	2.74	500	97	103	5.63	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 58618 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105893-001A	05/27/11 12:10 PM	05/27/11	05/31/11 2:52 PM	1105893-002A	05/27/11 12:20 PM	05/27/11	05/31/11 3:02 PM
1105893-003A	05/27/11 12:27 PM	05/27/11	05/31/11 3:05 PM	1105893-004A	05/27/11 2:13 PM	05/27/11	05/31/11 3:08 PM
1105893-005A	05/27/11 2:17 PM	05/27/11	05/31/11 3:11 PM	1105893-006A	05/27/11 2:27 PM	05/27/11	05/31/11 3:15 PM
1105893-007A	05/27/11 2:26 PM	05/27/11	05/31/11 3:18 PM	1105893-008A	05/27/11 2:40 PM	05/27/11	05/31/11 3:21 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.



### QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58694

WorkOrder 1105893

Analyte	Extraction SW3550B/3630C								Spiked Sample ID: 1105893-008A			
	Sample mg/Kg	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
TPH-Diesel (C10-C23)	2.6	40	108	108	0	103	103	0	70 - 130	30	70 - 130	30
%SS:	82	25	91	90	0.593	82	82	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 58694 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1105893-001A	05/27/11 12:10 PM	05/27/11	05/29/11 4:53 AM	1105893-002A	05/27/11 12:20 PM	05/27/11	05/31/11 12:28 PM
1105893-003A	05/27/11 12:27 PM	05/27/11	05/31/11 12:23 PM	1105893-004A	05/27/11 2:13 PM	05/27/11	05/30/11 2:27 AM
1105893-005A	05/27/11 2:17 PM	05/27/11	05/29/11 7:42 PM	1105893-006A	05/27/11 2:27 PM	05/27/11	05/29/11 9:58 PM
1105893-007A	05/27/11 2:26 PM	05/27/11	05/30/11 6:53 AM	1105893-008A	05/27/11 2:40 PM	05/27/11	05/31/11 2:00 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 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.

 <b>McC Campbell Analytical, Inc.</b> "When Quality Counts"		1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mcccampbell.com E-mail: main@mcccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269	
Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9.0020	Date Sampled: 06/10/11	
		Date Received: 06/10/11	
	Client Contact: Nathan Lee	Date Reported: 06/13/11	
	Client P.O.:	Date Completed: 06/13/11	

**WorkOrder: 1106376**

June 13, 2011

Dear Nathan:

Enclosed within are:

- 1) The results of the **2** analyzed samples from your project: **#311956; Chevron 9.0020**,
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,



Angela Rydelius  
 Laboratory Manager  
 McC Campbell Analytical, Inc.



# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1106376

ClientCode: CETE

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

Report to:	Nathan Lee	Email: nlee@craworld.com	Bill to:	Accounts Payable	Requested TAT:	1 day
	Conestoga-Rovers & Associates	cc:		Conestoga-Rovers & Associates	Date Received:	06/10/2011
	5900 Hollis St, Suite A	PO:		5900 Hollis St, Ste. A	Date Printed:	06/10/2011
	Emeryville, CA 94608	ProjectNo: #311956; Chevron 9.0020		Emeryville, CA 94608		
	(510) 420-3327    FAX (510) 420-9170					

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1106376-001	OE-E2-C	Soil	6/10/2011 9:00	<input type="checkbox"/>	A	A	A									
1106376-002	OE-E2-6	Soil	6/10/2011 9:05	<input type="checkbox"/>	A	A	A									

**Test Legend:**

1	G-MBTX_S	2	LUFT_S	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 24hr rush

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



**Sample Receipt Checklist**

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **6/10/2011 4:13:00 PM**

Project Name: **#311956; Chevron 9.0020**

Checklist completed and reviewed by: **Ana Venegas**

WorkOrder N°: **1106376** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

**Chain of Custody (COC) Information**

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

**Sample Receipt Information**

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

**Sample Preservation and Hold Time (HT) Information**

- All samples received within holding time? Yes  No
  - Container/Temp Blank temperature Cooler Temp: 9.6°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:







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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #311956; Chevron 9.0020	Date Sampled: 06/10/11
	Client Contact: Nathan Lee	Date Received: 06/10/11
	Client P.O.:	Date Extracted: 06/10/11
		Date Analyzed: 06/13/11

### LUFT 5 Metals\*

Extraction method: SW3050B

Analytical methods: SW6010B

Work Order: 1106376

Lab ID	Client ID	Matrix	Extraction Type	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS	Comments
001A	OE-E2-C	S	TOTAL	ND	68	ND	48	27	1	89	
002A	OE-E2-6	S	TOTAL	ND	51	ND	44	21	1	93	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA	NA	NA	NA	NA
	S	TOTAL	1.5	1.5	5.0	1.5	5.0	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 µg/wipe, filter samples in µg/filter.

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

TOTAL = Hot acid digestion of a representative sample aliquot.  
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.  
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard  
DF = Dilution Factor





**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58903

WorkOrder: 1106376

EPA Method: SW8021B/8015Bm		Extraction: SW5030B							Spiked Sample ID: 1106241-005A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) £	ND	0.60	109	108	0.689	107	107	0	70 - 130	20	70 - 130	20
MTBE	ND	0.10	103	105	2.06	103	103	0	70 - 130	20	70 - 130	20
Benzene	ND	0.10	93.1	97.2	4.33	93.5	93.4	0.0827	70 - 130	20	70 - 130	20
Toluene	ND	0.10	96.7	101	4.44	97	96.9	0.0534	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	103	108	4.49	103	102	0.332	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	101	106	4.53	103	102	0.349	70 - 130	20	70 - 130	20
%SS:	81	0.10	97	102	5.40	102	99	2.81	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 58903 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106376-001A	06/10/11 9:00 AM	06/10/11	06/10/11 7:59 PM	1106376-002A	06/10/11 9:05 AM	06/10/11	06/10/11 8:30 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 6010B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 1106376

EPA Method: SW6010B		Extraction: SW3050B				BatchID: 58989		Spiked Sample ID: 1106376-002A					
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	ND	50	91.1	92.7	1.69	10	94.8	94.1	0.715	75 - 125	25	75 - 125	25
Chromium	51	50	90.9	94.1	1.65	10	97.4	97.6	0.256	75 - 125	25	75 - 125	25
Lead	ND	50	94.4	91.2	3.45	10	87.8	85.6	2.60	75 - 125	25	75 - 125	25
Nickel	44	50	90.2	92	1.04	10	96.2	95.4	0.835	75 - 125	25	75 - 125	25
Zinc	21	500	94.9	96.5	1.65	100	103	101	1.54	75 - 125	25	75 - 125	25
%SS:	93	500	95	96	1.36	500	88	91	3.69	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 58989 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106376-001A	06/10/11 9:00 AM	06/10/11	06/13/11 11:38 AM	1106376-002A	06/10/11 9:05 AM	06/10/11	06/13/11 11:28 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 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 SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 58977

WorkOrder: 1106376

EPA Method: SW8015B

Extraction: SW3550B/3630C

Spiked Sample ID: 1106376-002A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	109	107	2.14	98.3	101	2.28	70 - 130	30	70 - 130	30
%SS:	101	25	94	92	1.78	78	81	4.17	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 58977 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106376-001A	06/10/11 9:00 AM	06/10/11	06/11/11 8:28 AM	1106376-002A	06/10/11 9:05 AM	06/10/11	06/11/11 9:36 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.

APPENDIX D

APRIL 2011 WASTE MANIFESTS

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>CAR000216549</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Manifest Tracking Number <b>006252472 JJK</b>						
5. Generator's Name and Mailing Address <b>CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: <b>925-543-5833</b></b>		Generator's Site Address (if different than mailing address) <b>CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612</b>								
6. Transporter 1 Company Name <b>Integrated Wastestream Management, Inc.</b>			U.S. EPA ID Number <b>CAD983653627</b>							
7. Transporter 2 Company Name			U.S. EPA ID Number							
8. Designated Facility Name and Site Address <b>CLEAN HARBORS OF SAN JOSE 1021 BERRYESSA ROAD SAN JOSE, CA 95133 Facility's Phone: <b>408-441-0962</b></b>			U.S. EPA ID Number <b>CAD059494310</b>							
9a. HM			9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No.	Type						
X			1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD), 9, PG III		001	DM	050	P	D008 352	
X			2. NA3082, HAZARDOUS WASTE, LIQUID, N.O.S. (LEAD, BENZENE), 9, PG III		003	DM	165	G	D008 D018 221	
3.										
4.										
14. Special Handling Instructions and Additional Information <b>PROFILE: CH484092 (HAZARDOUS METAL DEBRIS) ERG: 171 (1X55 DM) 2) PROFILE: CH484095 (PETROLEUM AND WATER MIXTURE) ERG: 171 (2X55 DM) (MATERIAL UNCOVERED DURING SITE INVESTIGATIONS) * OUT OF PILOT *</b>					CAE: DRGQ; BUSINESS: MBU; NWRTE-0090020-0-WST HANDLING PRECAUTIONS: WEAR LEVEL D PPE AND SPLASH PROTECTION					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offoror's Printed/Typed Name <b>Gregory K. Z...</b>					Signature <i>Gregory K...</i>			Month Day Year <b>04 06 11</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
17. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name <b>Scott Dunford</b>					Signature <i>Scott Dunford</i>			Month Day Year <b>4 6 11</b>		
Transporter 2 Printed/Typed Name					Signature			Month Day Year		
18. Discrepancy										
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____										
18c. Signature of Alternate Facility (or Generator) Month Day Year										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1.		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name					Signature			Month Day Year		



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
CAR000216549

2. Page 1 of 1

3. Emergency Response Phone  
1-800-424-9300

4. Waste Tracking Number  
311956-042011-020

5. Generator's Name and Mailing Address  
CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583  
Generator's Phone: 925-543-5833

Generator's Site Address (if different than mailing address)  
CHEVRON 7-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612

6. Transporter 1 Company Name  
Integrated Wastestream Management, Inc.

U.S. EPA ID Number  
CA0983653627

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
SCHNITZER STEEL  
1101 EMBARCADERO WEST  
OAKLAND, CA 94607  
Facility's Phone: 510-444-3919

U.S. EPA ID Number

N/A

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS EMPTY DRUM)	001	DM	030	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information  
D PROFILE: N/A (EMPTY DRUM) ERG: N/A  
(MATERIAL UNCOVERED DURING SITE INVESTIGATION) DPCR; MBU; NWRTS-009020-0-WST

HANDLING PRECAUTION: WEAR LEVEL D PPE \*OUT OF PILOT\*

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name: Gregory R... Signature: Gregory R... Month: 10 Day: 06 Year: 11

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: SCOTT DUNDON Signature: Scott Dundon Month: 7 Day: 6 Year: 11

17. Discrepancy: 17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator): Manifest Reference Number: U.S. EPA ID Number: Facility's Phone:

17c. Signature of Alternate Facility (or Generator): Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number **CAR000216549**  
**CAG 002661910-106**

2. Page 1 of **1**

3. Emergency Response Phone  
**1-800-424-9300**

4. Waste Tracking Number  
**311956-32011-001**

5. Generator's Name and Mailing Address  
**CHEVRON EMC**  
**C/O CHEVRON PRODUCTS COMPANY WASTE DESK**  
**P.O. BOX 6004**  
**SAN RAMON, CA 94583**  
Generator's Phone: **925-543-5833**

Generator's Site Address (if different than mailing address)  
**CHEVRON 9-0020**  
**1033 HARRISON STREET**  
**OAKLAND, CA 94612**

6. Transporter 1 Company Name  
**Integrated Wastestream Management, Inc. / Torres**

U.S. EPA ID Number  
**CAD983653627**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**REPUBLIC SERVICES-KELLER CANYON LANDFILL**  
**901 BAILEY ROAD**  
**BAY POINT, CA 94565**  
Facility's Phone: **925-458-9800**

U.S. EPA ID Number  
**N/A**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)</b>	<b>001</b>	<b>DT</b>	<b>18</b>	<b>Y</b>
2.				
3.				
4.				

**OUT OF PILOT**

13. Special Handling Instructions and Additional Information  
**D421211141 (NON-HAZARDOUS SOIL) ERG: N/A**  
**(SOIL GENERATED FROM SITE INVESTIGATION)**

**CEMC CAI: DPGQ**  
**CEMC BUSINESS UNIT: MBU**  
**NWRTB-0090020-0-WST**

**HANDLING PRECAUTION: WEAR LEVEL D PPE**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: **Gregory R...** Signature: *[Signature]* Month: **04** Day: **06** Year: **11**

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
Transporter 1 Printed/Typed Name: **TORRES ADAS, TORRES** Signature: *[Signature]* Month: **4** Day: **06** Year: **11**  
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy  
17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection  
Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator) Facility's Phone: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number **CAK000216549**  
~~6AG002661910-K00~~

2. Page 1 of **1**

3. Emergency Response Phone  
**1-800-424-9300**

4. Waste Tracking Number  
**311956-22011-002**

5. Generator's Name and Mailing Address  
**CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583**

Generator's Site Address (if different than mailing address)  
**CHEVRON 9-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612**

6. Transporter 1 Company Name  
**Integrated Wastestream Management, Inc.**

U.S. EPA ID Number  
**CAD983653627**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**REPUBLIC SERVICES-KELLER CANYON LANDFILL  
901 BAILEY ROAD  
BAY POINT, CA 94565**

U.S. EPA ID Number  
**N/A**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	
	No.	Type			
1. <b>NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)</b>	<b>001</b>	<b>DT</b>	<b>18</b>	<b>Y</b>	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information  
**D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A  
(SOIL GENERATED FROM SITE INVESTIGATION)**

**CEMC CAI: DPGQ  
CEMC BUSINESS UNIT: MBU  
NWRTB-0090020-0-WST**

**OUT OF PILOT**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offorer's Printed/Typed Name **Chevron EMC** Signature **[Signature]** Month **10** Day **06** Year **11**

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: **[Blank]** Date leaving U.S.: **[Blank]**

16. Transporter Acknowledgment of Receipt of Materials  
Transporter 1 Printed/Typed Name **Joseph M. Hill** Signature **[Signature]** Month **09** Day **06** Year **11**  
Transporter 2 Printed/Typed Name **[Blank]** Signature **[Blank]** Month **[Blank]** Day **[Blank]** Year **[Blank]**

17. Discrepancy  
17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator) **[Blank]** U.S. EPA ID Number **[Blank]**  
Facility's Phone: **[Blank]**

17c. Signature of Alternate Facility (or Generator) **[Blank]** Month **[Blank]** Day **[Blank]** Year **[Blank]**

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
Printed/Typed Name **[Blank]** Signature **[Blank]** Month **[Blank]** Day **[Blank]** Year **[Blank]**

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

GENERATOR

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number **CA R000216549**  
**EAG002661910-KRG**

2. Page 1 of **1**

3. Emergency Response Phone  
**1-800-424-9300**

4. Waste Tracking Number  
**311956-22011-003**

5. Generator's Name and Mailing Address  
**CHEVRON EMC**  
**410 CHEVRON PRODUCTS COMPANY WASTE DESK**  
**P.O. BOX 6004**  
**SAN RAMON, CA 94503**  
Generator's Phone: **925-543-5833**

Generator's Site Address (if different than mailing address)  
**CHEVRON 9-0020**  
**1633 HARRISON STREET**  
**OAKLAND, CA 94612**

6. Transporter 1 Company Name  
**Integrated Wastestream Management, Inc.**

U.S. EPA ID Number  
**CAD983653627**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**REPUBLIC SERVICES - KELLER CANYON LANDFILL**  
**901 BAILEY ROAD**  
**BAY POINT, CA 94565**  
Facility's Phone: **925-458-9800**

U.S. EPA ID Number  
**N/A**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. <b>NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)</b>	<b>001</b>	<b>DT</b>	<b>18</b>	<b>Y</b>	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information  
**D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A**  
**(SOIL GENERATED FROM SITE INVESTIGATION)**

**CEMC CAL: DFGQ**  
**CEMC BUSINESS UNIT: MBU**  
**NWRTB-0090020-0-WST**

**OUT OF PILOT**

**HANDLING PRECAUTION: WEAR LEVEL D PPE**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: **Gregory Ruiz** Signature: *Gregory Ruiz* Month: **0** Day: **06** Year: **11**

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
Transporter 1 Printed/Typed Name: **James Antonio Torralba** Signature: *James Antonio Torralba* Month: **4** Day: **06** Year: **11**  
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy  
17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator) Facility's Phone: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR

INT'L  
TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAR000216547 <del>CAG002661910-106</del>	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number 311956-32011-004
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5. Generator's Name and Mailing Address CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5833	Generator's Site Address (if different than mailing address) CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612
--	---

6. Transporter 1 Company Name Integrated Wastestream Management, Inc.	U.S. EPA ID Number CAD983653627
--	------------------------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
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8. Designated Facility Name and Site Address REPUBLIC SERVICES - KELLER CANYON LANDFILL 701 BAILEY ROAD BAY POINT, CA 94565 Facility's Phone: 925-458-7800	U.S. EPA ID Number N/A
--	---------------------------

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit WL/Vol.
	No.	Type		
1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001	DT	18	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION)  HANDLING PRECAUTION: WEAR LEVEL D PPE	CERC CAT: DRGQ CERC BUSINESS UNIT: MBU NWRFB-0090020-0-WST	OUT OF PILOT
--	--	--------------

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name Gregory Ruiz as agent of Chevron	Signature Gregory Ruiz	Month Day Year 10/10/11
--	---------------------------	----------------------------

15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
--	---

16. Transporter Acknowledgment of Receipt of Materials	Signature	Month Day Year
Transporter 1 Printed/Typed Name Joseph Miller	Signature Joseph Miller	04/06/11
Transporter 2 Printed/Typed Name	Signature	Month Day Year

17. Discrepancy	Manifest Reference Number:
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	U.S. EPA ID Number

17b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	
17c. Signature of Alternate Facility (or Generator)	Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a	Signature	Month Day Year
Printed/Typed Name		

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number **CA000216549**  
~~CA0002166110-KDC~~

2. Page 1 of **1**

3. Emergency Response Phone **1-800-424-9300**

4. Waste Tracking Number **311956-32011-005**

5. Generator's Name and Mailing Address  
**CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583**  
Generator's Phone: **925-543-5833**

Generator's Site Address (if different than mailing address)  
**CHEVRON 9-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612**

6. Transporter 1 Company Name  
**Integrated Wastestream Management, Inc. / Torres**

U.S. EPA ID Number  
**CAD983653627**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**REPUBLIC SERVICES - KELLER CANYON LANDFILL  
901 BAILEY ROAD  
BAY POINT, CA 94565**  
Facility's Phone: **925-458-9800**

U.S. EPA ID Number  
**N/A**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)</b>	<b>001</b>	<b>DT</b>	<b>18</b>	<b>Y</b>
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information  
**04212H1411 (NON-HAZARDOUS SOIL) ERG: N/A  
(SOIL GENERATED FROM SITE INVESTIGATIONS)**

**CEMC CAT: DPGQ  
CEMC BUSINESS UNIT: MBU  
NWRFB-0090020-0-WST**

**OUT OF PILOT**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: **Gregory R...** Signature: *[Signature]* Month: **10** Day: **06** Year: **11**

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
Transporter 1 Printed/Typed Name: **Torres** Signature: *[Signature]* Month: **10** Day: **06** Year: **11**  
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy  
17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

APPENDIX E

MAY 2011 WASTE MANIFESTS AND LANDFILL RECEIPTS

10866446

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 623072	GRID
WEIGHMASTER FELIPE C		
DATE IN 31 May 2011	TIME IN 1:44 pm	
DATE OUT 31 May 2011	TIME OUT 1:44 pm	
VEHICLE IWM106	ROLL OFF	
REFERENCE	ORIGIN OAKLAND	

00 Gross Weight 74,060.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 28,280.00 lb  
 Net Weight 45,780.00 lb 22.89 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.89	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Handwritten Signature]*



GENERATOR  
 INT'L  
 TRANSPORTER  
 DESIGNATED FACILITY

<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number 311956-0511-002
5. Generator's Name and Mailing Address CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5033		Generator's Site Address (if different than mailing address) CHEVRON 9-0020 1635 HARRISON STREET OAKLAND, CA 94612		
6. Transporter 1 Company Name Integrated Wastestream Management #106		U.S. EPA ID Number CAD983653627		
7. Transporter 2 Company Name #9R72913		U.S. EPA ID Number		
8. Designated Facility Name and Site Address REPUBLIC SERVICES KELLER CANYON LANDFILL 701 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-458-7800		U.S. EPA ID Number N/A		
9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
	1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001 DT	18	Y
	2.			
	3.			
13. Special Handling Instructions and Additional Information D4212111411 (NON HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DREQ; MBU; NWRTB-0090020-0-WST  WEAR LEVEL D PPE OUT OF PILOT				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's/Offeror's Printed/Typed Name Seymour Patterson		Signature as agent for CHEVRON EMC <i>Seymour Patterson</i>	Month 5	Day 31
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:		
16. Transporter Acknowledgment of Receipt of Materials				
Transporter 1 Printed/Typed Name Joe Miller		Signature <i>Joe Miller</i>	Month 5	Day 31
Transporter 2 Printed/Typed Name		Signature	Month	Day
17. Discrepancy				
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:				
17b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone:				
17c. Signature of Alternate Facility (or Generator)		Month Day Year		
18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a				
Printed/Typed Name Felix Cornejo		Signature <i>Felix Cornejo</i>	Month 05	Day 31
		Year 11		

10866280

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

SITE 01	TICKET 622906	GRID
WEIGHMASTER FELIFE C		
DATE IN 31 May 2011	TIME IN 7:05 am	
DATE OUT 31 May 2011	TIME OUT 7:05 am	
VEHICLE IUM106	ROLL OFF	
REFERENCE	ORIGIN OAKLAND	

674856  
 Chevron Environmental Management Company  
 Attn: Dave Fatten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #42121114-11 SOIL

Gross Weight 68,380.00 lb      Inbound -- SCALE TICKET  
 Stored Tare Weight 28,280.00 lb  
 Net Weight 40,100.00 lb 20.05 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.05	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Handwritten Signature]*

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N/A	1	1-800-424-9300	311956-0511-003
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)		
CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5833		CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612		
6. Transporter 1 Company Name		U.S. EPA ID Number		
Integrated Waste Management #106		CAD983653627		
7. Transporter 2 Company Name		U.S. EPA ID Number		
		#9872913		
8. Designated Facility Name and Site Address		U.S. EPA ID Number		
REPUBLIC SERVICES KELLER CANYON LANDFILL 901 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-458-9800		N/A		
9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001	DT	18	Y
2.				
3.				
4.				
13. Special Handling Instructions and Additional Information				
D421211111 (NON-HAZARDOUS SOIL) EAG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DPER; MBU; NWRFB-0010020-0-WST WEAR LEVEL D PPE OUT OF PILOT				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's/Offeror's Printed/Typed Name		as agent for Signature	Month	Day
Sequoia Patterson		CHEVRON EMC Signature	5	27
15. International Shipments		Port of entry/exit:		
<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Date leaving U.S.:		
16. Transporter Acknowledgment of Receipt of Materials		Signature		
Transporter 1 Printed/Typed Name		Month		
Joe Miller		5		
Transporter 2 Printed/Typed Name		Day		
		27		
		Year		
		11		
17. Discrepancy				
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
Manifest Reference Number:				
17b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone:				
17c. Signature of Alternate Facility (or Generator)		Month		
		Day		
		Year		
18. Designated Facility Owner or Operator, Certification of receipt of materials covered by the manifest except as noted in Item 17a				
Printed/Typed Name		Signature		Month
Felipe (OINHO)		Signature		05
				31
				11

10866041

KELLER CANYON LANDFILL  
 701 BAILEY ROAD  
 PITTSBURG, CA

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 622673	GRID
WEIGHMASTER FELIPE C		
DATE IN 27 May 2011	TIME IN 2:32 pm	
DATE OUT 27 May 2011	TIME OUT 2:32 pm	
VEHICLE TWM1106	ROLL OFF	
REFERENCE 311956-0511-004	ORIGIN OAKLAND	

Gross Weight 73,540.00 lb      Inbound -- SCALE TICKET  
 Stored Tare Weight 28,340.00 lb  
 Net Weight 45,200.00 lb 22.60 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.60	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



REV 11/09

SIGNATURE *[Signature]*

RS-F04

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
	N/A	1	1-800-424-9300	311956-0511-004	
5. Generator's Name and Mailing Address			Generator's Site Address (if different than mailing address)		
CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5833			CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612		
6. Transporter 1 Company Name				U.S. EPA ID Number	
Integrated Waste Management # 106				CAD983653627	
7. Transporter 2 Company Name				U.S. EPA ID Number	
# 9872913					
8. Designated Facility Name and Site Address				U.S. EPA ID Number	
REPUBLIC SERVICES KELLER CANYON LANDFILL 901 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-450-9800				N/A	
9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001	DT	18	Y	
2.					
3.					
4.					
13. Special Handling/Instructions and Additional Information					
D4212.H1411 (NON HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DRGR; MBU; NWRTB-0090020-0-WST WEAR LEVEL D PPE OUT OF PILOT					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name				Signature	
Sequoia Patterson				as agent for CHEVRON EMC <i>Sequoia Patterson</i>	
Month Day Year				Month Day Year	
5 27 11				5 27 11	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name			Signature		Month Day Year
Joe Miller			<i>Joe Miller</i>		5 27 11
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)				U.S. EPA ID Number	
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name			Signature		Month Day Year
Felipe Gomez			<i>Felipe Gomez</i>		05 27 11

10866031

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

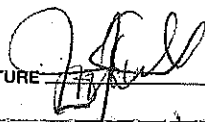
674886  
 Chevron Environmental Management Company  
 Attn: Dave Fatten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 622663	GRID
WEIGHMASTER FELIPE C		
DATE IN 27 May 2011	TIME IN 2:02 pm	
DATE OUT 27 May 2011	TIME OUT 2:02 pm	
VEHICLE FST1	ROLL OFF	
REFERENCE 311956-0511-005	ORIGIN OAKLAND	

Gross Weight 76,640.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 29,740.00 lb  
 Net Weight 46,900.00 lb 23.45 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.45	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE 



REV 11/09

RS-F04

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

N/A

2. Page 1 of

1

3. Emergency Response Phone

1-800-424-9300

4. Waste Tracking Number

31956-0511-005

5. Generator's Name and Mailing Address

CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583  
Generator's Phone: 925-543-5833

Generator's Site Address (if different than mailing address)

CHEVRON 9-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612

6. Transporter 1 Company Name

Perez and Sons

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

REPUBLIC SERVICES KELLER CANYON LANDFILL  
901 BAILEY ROAD  
BAY POINT, CA 94585  
Facility's Phone: 925-458-9800

U.S. EPA ID Number

N/A

9. Waste Shipping Name and Description

1. NON-DOT REGULATED MATERIAL  
(NON-HAZARDOUS SOIL)

10. Containers

No.

Type

001 DT

11. Total Quantity

18

12. Unit Wt./Vol.

Y

13. Special Handling Instructions and Additional Information

HAZARDOUS (NON-HAZARDOUS SOIL) ERG: N/A  
(SOIL GENERATED FROM SITE INVESTIGATION)

DPGQ; MBU; NWRTB-0090020-0-WST

WEAK LEVEL D PPE

OUT OF PILOT

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offorer's Printed/Typed Name

Sequoia Patterson

Agent for  
Chevron EMC  
Signature  
Sequoia Patterson

Month Day Year

5 27 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Jesus A. Varado

Signature  
Jesus A. Varado

Month Day Year

5 27 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

10329997

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

674886

Chevron Environmental Management Company  
 Attn: Dave Fatten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract #4212111411 SOIL

SITE 01	TICKET 622629	GRID
WEIGHMASTER FELIPE C		
DATE IN 27 May 2011		TIME IN 12:09 pm
DATE OUT 27 May 2011		TIME OUT 12:09 pm
VEHICLE IWM106		ROLL OFF
REFERENCE 311956-0511-006	ORIGIN OAKLAND	

01 Gross Weight 72,860.00 lb  
 Stored Tare Weight 28,280.00 lb  
 Net Weight 44,580.00 lb 22.29 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.29	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Handwritten Signature]*



GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number 311956-0511-006		
	5. Generator's Name and Mailing Address CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5835			Generator's Site Address (if different than mailing address) CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612			
	6. Transporter 1 Company Name Integrated Waste Management # 106			U.S. EPA ID Number CAD983653627			
	7. Transporter 2 Company Name # 9B72913			U.S. EPA ID Number			
	8. Designated Facility Name and Site Address REPUBLIC SERVICES KELLER CANYON LANDFILL 901 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-458-9800			U.S. EPA ID Number N/A			
	9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
	1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001	DT	18	Y		
	2.						
	3.						
	4.						
	13. Special Handling Instructions and Additional Information D4212111411 (NON HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DRGS; MBU; NWRTPB-0090020-0-WST WEAR LEVEL D PPE OUT OF PILOT						
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
	Generator's/Offeror's Printed/Typed Name Seduoia Patterson			Signature as agent for CHEVRON EMC Seduoia Patterson	Month 5	Day 27	Year 11
	15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:	Date leaving U.S.:		
	16. Transporter Acknowledgment of Receipt of Materials	Transporter 1 Printed/Typed Name Joe Miller	Signature Joe Miller	Month 5	Day 27	Year 11	
		Transporter 2 Printed/Typed Name	Signature	Month	Day	Year	
	17. Discrepancy	17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
	17b. Alternate Facility (or Generator)	Manifest Reference Number:	U.S. EPA ID Number				
		Facility's Phone:					
	17c. Signature of Alternate Facility (or Generator)			Month	Day	Year	
	18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a	Printed/Typed Name Felipe Gomez	Signature Felipe Gomez	Month 05	Day 27	Year 11	

10329987

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

SITE 01	TICKET 622619	GRID
WEIGHMASTER FELIPE C		
DATE IN 27 May 2011		TIME IN 11:43 am
DATE OUT 27 May 2011		TIME OUT 11:43 am
VEHICLE FST1		ROLL OFF
REFERENCE 311956-0511-007	ORIGIN OAKLAND	

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

00 Gross Weight 76,080.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 29,740.00 lb  
 Net Weight 46,340.00 lb 23.17 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.17	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Handwritten Signature]*

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number 311956-0511-007	
	5. Generator's Name and Mailing Address CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94503 Generator's Phone: 925-543-5833			Generator's Site Address (if different than mailing address) CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612		
	6. Transporter 1 Company Name Perez and Sons			U.S. EPA ID Number		
	7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address REPUBLIC SERVICES KELLER CANYON LANDFILL 701 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-458-9800					U.S. EPA ID Number N/A	
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)		No.	Type	18	Y	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) WEAR LEVEL D PPE OUT OF PILOT DRGQ; MBS; NWRTB-0090020-0-WST						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offoror's Printed/Typed Name Sequoia Patterson		AS AGENT for CHEVRON EMC Signature <i>Sequoia Patterson</i>		Month Day Year 5 27 11		
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Jesus Alvarado		Signature <i>Jesus Alvarado</i>		Month Day Year 5 27 11		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator)					U.S. EPA ID Number	
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)					Month Day Year	
18. Designated Facility Owner or Operator, Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name Felipe Cortez		Signature <i>Felipe Cortez</i>		Month Day Year 05 27 11		

10329940

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

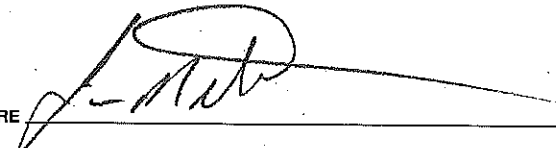
674886  
 Chevron Environmental Management Company  
 Attn: Dave Fatten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 622572	GRID
WEIGHMASTER FELIPE C		
DATE IN 27 May 2011	TIME IN 9:27 am	
DATE OUT 27 May 2011	TIME OUT 9:27 am	
VEHICLE IWM1106	ROLL OFF	
REFERENCE 311956-0511-008	ORIGIN OAKLAND	

Gross Weight 71,920.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 28,340.00 lb  
 Net Weight 43,580.00 lb 21.79 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.79	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE 



GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number 311956-0511-008	
	5. Generator's Name and Mailing Address CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5833			Generator's Site Address (if different than mailing address) CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612		
	6. Transporter 1 Company Name IWM Inc # 106			U.S. EPA ID Number CAD 983653627		
	7. Transporter 2 Company Name A 9872913			U.S. EPA ID Number		
TRANSPORTER	8. Designated Facility Name and Site Address REPUBLIC SERVICES KELLER CANYON LANDFILL 901 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-458-9800			U.S. EPA ID Number N/A		
	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt/Vol.
	1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)		No.	Type	17	Y
	2.					
	3.					
	4.					
	13. Special Handling Instructions and Additional Information D421211411 (NON-HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DPGQ; MBUS; NWRTB-0090020-0-WST WEAR LEVEL D PPE OUT OF PILOT					
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
	Generator's/Offeror's Printed/Typed Name Sequoia Patterson			Signature as agent for CHEVRON EMC Sequoia Patterson		Month Day Year 5 27 11
	DESIGNATED FACILITY	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:				
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Joe Miller			Signature Joe Miller		Month Day Year 5 27 11	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection - Manifest Reference Number: U.S. EPA ID Number						
17b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator) Month Day Year						
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name Felipe Lopez			Signature Felipe Lopez		Month Day Year 05 27 11	

10329946

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

674886  
 Chevron Environmental Management Company  
 Attn: Dave Fatten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 622578	GRID
WEIGHMASTER FELIPE C		
DATE IN 27 May 2011		TIME IN 9:13 am
DATE OUT 27 May 2011		TIME OUT 9:38 am
VEHICLE PST1		ROLL OFF
REFERENCE 311956-0511-009	ORIGIN OAKLAND	

00 Gross Weight 73,100.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 29,740.00 lb  
 Net Weight 43,360.00 lb 21.68 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.68	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Signature]*

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

N/A

2. Page 1 of

1

3. Emergency Response Phone

1-800-424-9300

4. Waste Tracking Number

311956-0511-009

5. Generator's Name and Mailing Address

CHEVRON EMC  
c/o CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583

Generator's Phone:

925-543-5833

Generator's Site Address (if different than mailing address)

CHEVRON 9-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612

6. Transporter 1 Company Name

Perez and Sons

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

REPUBLIC SERVICES KELLER CANYON LANDFILL  
901 BAILEY ROAD  
BAY POINT, CA 94585  
Facility's Phone: 925-458-9800

U.S. EPA ID Number

N/A

9. Waste Shipping Name and Description

1. NON-DOT REGULATED MATERIAL  
(NON-HAZARDOUS SOIL)

10. Containers

No.

Type

001

DT

11. Total Quantity

18

12. Unit Wt./Vol.

Y

13. Special Handling Instructions and Additional Information

D421211411 (NON-HAZARDOUS SOIL) ERG: N/A  
(SOIL GENERATED FROM SITE INVESTIGATION)

DRGQ; MBO; NWRTB-0090020-0-WST

WEAR LEVEL D PPE

OUT OF PILOT

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Sequoia Patterson

as agent  
for  
Chevron EMC

Signature

*[Signature]*

Month Day Year

5 27 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

JESUS ALVARADO

Signature

*[Signature]*

Month Day Year

5 27 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Felipe Lugo

Signature

*[Signature]*

Month Day Year

10 27 11

10866429

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

SITE 01	TICKET 623035	GRID
WEIGHMASTER		
FELIFE C		
DATE IN 31 May 2011	TIME IN 1:05 pm	
DATE OUT 31 May 2011	TIME OUT 1:05 pm	
VEHICLE FST1	ROLL OFF	
REFERENCE	ORIGIN OAKLAND	

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0904  
 Contract: #4212111411 SOIL

00 Gross Weight 78,140.00 lb  
 Stored Tare Weight 29,740.00 lb  
 Net Weight 48,400.00 lb 24.20 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.20	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE

*[Handwritten Signature]*

RS-F04



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

NIA

2. Page 1 of

1

3. Emergency Response Phone

1-800-424-9300

4. Waste Tracking Number

311956-0511-020

5. Generator's Name and Mailing Address

CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SANTA RAMON, CA 94583  
Generator's Phone: 925-543-5833

Generator's Site Address (if different than mailing address)

CHEVRON 9-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612

6. Transporter 1 Company Name

Perez and Sons #1

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

REPUBLIC SERVICES KELLER CANYON LANDFILL  
301 BAILEY ROAD  
BAY POINT, CA 94585  
Facility's Phone: 925-458-9800

U.S. EPA ID Number

9. Waste Shipping Name and Description

1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

001

DT

18

Y

13. Special Handling Instructions and Additional Information

D4212 11/11 (NON-HAZARDOUS SOIL) ERG: NIA  
(SOIL GENERATED FROM SITE INVESTIGATION)

DRSQ; MBU; NWRFB-0090020-0-WST

WEAR LEVEL D PPE

OUT OF PILOT

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Sequoia Patterson

as agent for CHEVRON EMC

Signature

*Sequoia Patterson*

Month Day Year

5 31 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1-Printed/Typed Name

JESUS ALVARADO

Signature

*Jesus Alvarado*

Month Day Year

5 31 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

PLPP COMPANY

Signature

*[Signature]*

Month Day Year

05 31 11

10866392

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

SITE 01	TICKET 623018	GRID
WEIGHMASTER FELIFE C		
DATE IN 31 May 2011	TIME IN 11:37 am	
DATE OUT 31 May 2011	TIME OUT 11:37 am	
VEHICLE IUM106	ROLL OFF	
REFERENCE	ORIGIN OAKLAND	

674886  
 Chevron Environmental Management Company  
 Attn: Dave Fatten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #42121114-11 SOIL

Gross Weight 73,980.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 28,280.00 lb  
 Net Weight 45,700.00 lb 22.85 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.85	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



*Landfill*

SIGNATURE

RS-F04

REV 11/09

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number <i>N/A</i>	2. Page 1 of <i>1</i>	3. Emergency Response Phone <i>1-900-424-9300</i>	4. Waste Tracking Number <i>311956-0511-021</i>	
	5. Generator's Name and Mailing Address <i>CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: <i>925-543-5833</i></i>		Generator's Site Address (if different than mailing address) <i>CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612</i>		
6. Transporter 1 Company Name <i>Integrated Wastestream Management # 106</i>			U.S. EPA ID Number <i>CAD983653627</i>		
7. Transporter 2 Company Name <i># 9B73913</i>			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <i>REPUBLIC SERVICES KELLER CANYON LANDFILL 901 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: <i>925-458-9800</i></i>			U.S. EPA ID Number <i>N/A</i>		
9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
<i>1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)</i>	<i>001</i>	<i>DT</i>	<i>18</i>	<i>Y</i>	
<i>2.</i>					
<i>3.</i>					
<i>4.</i>					
13. Special Handling Instructions and Additional Information <i>D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DRGQ; MBU; NWRTB-0090020-0-WST WEAR LEVEL D PPE OUT OF PILOT</i>					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offlor's Printed/Typed Name <i>Sequoia Patterson</i>			Signature <i>Sequoia Patterson</i>		Month Day Year <i>5 31 11</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <i>Joe Miller</i>			Signature <i>Joe Miller</i>		Month Day Year <i>5 31 11</i>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator)			Manifest Reference Number:		U.S. EPA ID Number
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <i>Felipe Canzo</i>			Signature <i>Felipe Canzo</i>		Month Day Year <i>10 31 11</i>

10866360

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 622986	GRID
WEIGHMASTER FELIPE C		
DATE IN 31 May 2011		TIME IN 10:43 am
DATE OUT 31 May 2011		TIME OUT 10:43 am
VEHICLE FST1		ROLL OFF
REFERENCE	ORIGIN OAKLAND	

00 Gross Weight 78,360.00 lb      Inbound -- SCALE TICKET  
 Stored Tare Weight 29,740.00 lb  
 Net Weight 48,640.00 lb 24.32 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.32	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



REV 11/09

SIGNATURE *[Signature]*

RS-F04

GENERATOR	<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>N/A</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>1-800-424-9300</b>	4. Waste Tracking Number <b>311956-0511-022</b>
	5. Generator's Name and Mailing Address <b>CHEVRON EMC C/O CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: <b>925-543-5833</b></b>		Generator's Site Address (if different than mailing address) <b>CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612</b>		
TRANSPORTER	6. Transporter 1 Company Name <b>Perez and Sons</b>		U.S. EPA ID Number		
	7. Transporter 2 Company Name		U.S. EPA ID Number		
	8. Designated Facility Name and Site Address <b>REPUBLIC SERVICES KELLER CANYON LANDFILL 701 BAILEY ROAD RAY POINT, CA 94585 Facility's Phone: <b>925-458-7800</b></b>		U.S. EPA ID Number <b>N/A</b>		
	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity
		No.	Type		
1. <b>NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)</b>		<b>001</b>	<b>DT</b>	<b>18</b>	<b>Y</b>
2.					
3.					
4.					
DESIGNATED FACILITY	13. Special Handling Instructions and Additional Information <b>D421211411 (NON-HAZARDOUS SOIL) - ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DMS; MBO; NWRTE-0090020-0-WST WEAR LEVEL D PPE</b>				
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's/Offorer's Printed/Typed Name <b>Sequoia Patterson</b>		Signature <i>as agent for CHEVRON EMC</i> <b>Sequoia Patterson</b>		Month <b>5</b>	Day <b>31</b>
15. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S.		Port of entry/exit:		Year <b>11</b>	
Transporter Signature (for exports only):		Date leaving U.S.:			
DESIGNATED FACILITY	16. Transporter Acknowledgment of Receipt of Materials				
	Transporter 1 Printed/Typed Name <b>Jesus Alvarado</b>		Signature <i>[Signature]</i>		Month <b>5</b>
Transporter 2 Printed/Typed Name		Signature		Year <b>11</b>	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)				U.S. EPA ID Number	
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month	Day
				Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <b>FELIX CORNEJO</b>		Signature <i>[Signature]</i>		Month <b>05</b>	Day <b>31</b>
				Year <b>11</b>	

10866333

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

SITE 01	TICKET 622959	GRID
WEIGHMASTER FELIFE C		
DATE IN 31 May 2011		TIME IN 9:37 am
DATE OUT 31 May 2011		TIME OUT 9:37 am
VEHICLE TWM106		ROLL OFF
REFERENCE	ORIGIN OAKLAND	

Gross Weight 70,960.00 lb      Inbound - SCALE TICKET  
 Stored Tare Weight 28,280.00 lb  
 Net Weight 42,680.00 lb 21.34 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.34	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



REV 11/09

SIGNATURE *[Handwritten Signature]*

RS-F04

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number 31956-0511-023
	5. Generator's Name and Mailing Address CHEVRON EMC 410 CHEVRON PRODUCTS COMPANY WASTE DESK P.O. BOX 6004 SAN RAMON, CA 94583 Generator's Phone: 925-543-5833			Generator's Site Address (if different than mailing address) CHEVRON 9-0020 1633 HARRISON STREET OAKLAND, CA 94612	
TRANSPORTER	6. Transporter 1 Company Name Integrated Waste Management #106 Steam			U.S. EPA ID Number CAD 983653627	
	7. Transporter 2 Company Name #9B72913			U.S. EPA ID Number	
DESIGNATED FACILITY	8. Designated Facility Name and Site Address REPUBLIC SERVICES KELLER CANYON LANDFILL 701 BAILEY ROAD BAY POINT, CA 94585 Facility's Phone: 925-458-9800			U.S. EPA ID Number N/A	
	9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit WL/Vol.
	1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001	DT	18	Y
	2.				
	3.				
	4.				
13. Special Handling Instructions and Additional Information D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A (SOIL GENERATED FROM SITE INVESTIGATION) DRQS; MBUS; NWRFB-0090020-0-WST WEAR LEVEL D PPE					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Squid Patterson			Signature as agent for Chevron EMC Squid Patterson		Month Day Year 5/31/11
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Joe Miller			Signature Joe Miller		Month Day Year 5/31/11
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Felix Combe			Signature Felix Combe		Month Day Year 05/31/11

10866302

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

674886  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract #4212111411 SOIL

SITE 01	TICKET 622928	GRID
WEIGHMASTER		
FELIFE C		
DATE IN 31 May 2011	TIME IN 8:22 am	
DATE OUT 31 May 2011	TIME OUT 8:22 am	
VEHICLE PST1	ROLL OFF	
REFERENCE	ORIGIN OAKLAND	

00 Gross Weight 73,960.00 lb  
 Stored Tare Weight 29,740.00 lb  
 Net Weight 44,220.00 lb 22.11 TN  
 Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.11	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Handwritten Signature]*



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
N/A

2. Page 1 of  
1

3. Emergency Response Phone  
1-800-424-9300

4. Waste Tracking Number  
311956-0511-024

5. Generator's Name and Mailing Address  
CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583  
Generator's Phone: 925-543-5833

Generator's Site Address (if different than mailing address)  
CHEVRON 7-0020  
1633 HARRISON STREET  
OAKLAND, CA 94612

6. Transporter 1 Company Name  
Perez and Sons #1

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
REPUBLIC SERVICES KELLER CANYON LANDFILL  
901 BAILEY ROAD  
BAY POINT, CA 94585  
Facility's Phone: 925-458-7800

U.S. EPA ID Number  
N/A

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. NON-DOT REGULATED MATERIAL (NON-HAZARDOUS SOIL)	001	DT	18	Y	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

D42ZL1411 (NON-HAZARDOUS SOIL) ERG: N/A  
(SOIL GENERATED FROM SITE INVESTIGATION) DPGR; M8U; NWRTB-0090020-0-WST  
WEAR LEVEL D PPE

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name: Sequoia Patterson  
as agent for Chevron EMC  
Signature: *Sequoia Patterson*  
Month Day Year: 5/31/11

15. International Shipments:  Import to U.S.  Export from U.S.  
Port of entry/exit: \_\_\_\_\_  
Date leaving U.S.: \_\_\_\_\_

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jesus Alvarado  
Signature: *Jesus Alvarado*  
Month Day Year: 5/31/11

Transporter 2 Printed/Typed Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Month Day Year: \_\_\_\_\_

17. Discrepancy

17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator): \_\_\_\_\_ Manifest Reference Number: \_\_\_\_\_ U.S. EPA ID Number: \_\_\_\_\_  
Facility's Phone: \_\_\_\_\_

17c. Signature of Alternate Facility (or Generator): \_\_\_\_\_ Month Day Year: \_\_\_\_\_

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Felipe Gomez  
Signature: *Felipe Gomez*  
Month Day Year: 05/31/11

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: **N/A**

2. Page 1 of: **1**

3. Emergency Response Phone: **1-800-424-9300**

4. Waste Tracking Number: **311956-0611-001**

5. Generator's Name and Mailing Address: **CHEVRON EMC  
C/O CHEVRON PRODUCTS COMPANY WASTE DESK  
P.O. BOX 6004  
SAN RAMON, CA 94583**  
Generator's Phone: **925-543-5833**

Generator's Site Address (if different than mailing address): **CHEVRON 9-0020  
1623 HARRISON STREET  
OAKLAND, CA 94612**

6. Transporter 1 Company Name: **Integrated Wastestream Management #106**  
U.S. EPA ID Number: **CAD983653627**

7. Transporter 2 Company Name: **#9B72913**  
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: **REPUBLIC SERVICES KELLER CANYON LANDFILL  
901 BAILEY ROAD  
BAY POINT, CA 94505**  
Facility's Phone: **925-458-9800**  
U.S. EPA ID Number: **N/A**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-REGULATED MATERIAL (NON-HAZARDOUS SOIL)</b>	<b>001</b>	<b>DT</b>	<b>18</b>	<b>Y</b>
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information: **D4212111411 (NON-HAZARDOUS SOIL) ERG: N/A  
(SOIL GENERATED FROM SITE INVESTIGATION)**  
**WEAR LEVEL D PPE**  
**OUT OF PILOT**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name: **Sequoia Patterson**  
Signature: *Sequoia Patterson*  
Month Day Year: **06 10 11**

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **Joseph Miller**  
Signature: *Joseph Miller*  
Month Day Year: **06 10 11**

Transporter 2 Printed/Typed Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Month Day Year: \_\_\_\_\_

17. Discrepancy

17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number: \_\_\_\_\_

17b. Alternate Facility (or Generator): \_\_\_\_\_ U.S. EPA ID Number: \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

17c. Signature of Alternate Facility (or Generator): \_\_\_\_\_ Month Day Year: \_\_\_\_\_

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: **Felipe Cornejo**  
Signature: *Felipe Cornejo*  
Month Day Year: **06 10 11**

GENERATOR  
INTL  
TRANSPORTER  
DESIGNATED FACILITY

10865425

KELLER CANYON LANDFILL  
 901 BAILEY ROAD  
 PITTSBURG, CA

SITE 01	TICKET 625041	GRID
WEIGHMASTER FELIPE C		
DATE IN 10 June 2011	TIME IN 10:22 am	
DATE OUT 10 June 2011	TIME OUT 10:45 am	
VEHICLE IWM106	ROLL OFF	
REFERENCE	ORIGIN OAKLAND	

674896  
 Chevron Environmental Management Company  
 Attn: Dave Patten  
 6001 Bollinger Canyon Rd., Bldg K-2036  
 San Ramon, CA 94583-0804  
 Contract: #4212111411 SOIL

00 Gross Weight 63,000.00 lb  
 Stored Tare Weight 28,300.00 lb  
 Net Weight 34,700.00 lb 17.35 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.35	TN	SW-BENEFICIAL REUSE				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE *[Handwritten Signature]*