Denis L. Brown

Shell Oil Products US

HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
8930 Bancroft Avenue
Oakland, California
SAP Code 135678
Incident No. 98995742
ACHCSA Case No. RO0000404

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

CONESTOGA-ROVERS
& ASSOCIATES

19449 Riverside Drive, Suite 230, Sonoma, California 95476
Telephone: 707-935-4850 Facsimile: 707-935-6649
www.CRAworld.com

July 16, 2008

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Site Investigation Report and Request for Closure**
Former Shell Service Station
8930 Bancroft Avenue
Oakland, California
SAP Code 135678
Incident No. 98995742
Fuel Leak Case No. RO0000404

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA), formerly Cambria Environmental Technology, Inc., (Cambria), prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent site investigation activities at the above referenced site. In an effort to address one remaining outstanding item raised by the Alameda County Health Care Services Agency (ACHCSA) in their letter dated October 12, 2007, to move this case toward closure, this investigation involved the collection of soil samples from beneath the former first generation underground storage tanks (UST's) previously located on the northwest side of the site.

In a January 12, 2006 email to ACHCSA, Cambria requested that the site be reviewed for closure based on the low level to mostly non-detectable concentrations of chemicals of concern in the groundwater at the site. ACHCSA responded with an email at that time concurring that the site did warrant review for closure. Closure of the site was then discussed during a February 2, 2006 meeting with ACHCSA, at which time ACHCSA stated that additional information was still necessary before the case could be reviewed for closure; specifically, in a February 16, 2006 letter to Shell, ACHCSA requested that Shell investigate the offsite extent of impacted groundwater downgradient of the site. Two offsite soil borings were drilled in July of 2006, but the collection of a groundwater samples from either of these two borings was unsuccessful due to lack of groundwater recharge in the borings. The field activities associated with these offsite borings was documented in Cambria's September 28, 2006 *Subsurface Investigation Report*, in which an argument was presented by Cambria that further attempts to collect the offsite data was no longer warranted, and that the site should be reviewed for closure as a low risk fuel site.

Case closure of this site was again discussed with ACHCSA during a meeting on March 29, 2007. During this meeting, ACHCSA indicated that the site would be reviewed for closure after receipt of the

Second Quarter 2007 groundwater monitoring data, and that the groundwater monitoring program for the site could be discontinued after the Second Quarter 2007 event. The Second Quarter 2007 groundwater monitoring data was presented to ACHCSA in CRA's August 16, 2007 *Groundwater Monitoring Report – Second Quarter 2007 and Request for Closure Consideration*, in which CRA presented a discussion on the groundwater data and requested that the site continue to be reviewed for closure as a low risk fuel site. ACHCSA responded to this request in their October 12, 2007 letter, in which ACHCSA noted that they had performed a complete review of all the information in the case files, but that further information was required regarding the former first generation UST's, and the extent of any contamination in this area, to complete the case closure review.

CRA reviewed all available internal files, all available Shell files, and the City of Oakland Fire Department files for information related to this request and was not able to locate any relevant information pertaining to the removal of these former UST's, other than that they were apparently removed from the site in 1983 or 1984. To address the request in ACHCSA's October 12, 2007 letter, CRA proposed installing soil borings within the cavity of the former first generation UST's to collect soil samples to determine the extent, if any, of soil contamination in the area of these former USTs. The work was proposed in CRA's January 25, 2008 *Agency Response and Site Investigation Work Plan*, which was approved by ACHCSA in their letter dated February 7, 2008. The field activities, data, and findings are presented below. The work was performed in accordance with ACHCSA and San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) guidelines.

EXECUTIVE SUMMARY

- To address ACHCSA request for information regarding the former first generation UST's, and the extent of any contamination in the vicinity of these former UST's, and thus move this environmental case toward closure, three soil borings (TB-1, TB-2, and TB-3) were proposed to be drilled from within the former UST cavity for the collection of soil samples.
- TB-1 is believed to have been drilled just immediately adjacent to the former first generation UST cavity, while TB-2 and TB-3 were determined to have been drilled from within the former first generation UST cavity.
- Two soil samples where collected from each soil boring. Soil samples were collected from what appeared to be native soils in TB-1 at 10.5 and 12.5 feet below grade (fbg). Soils samples were collected in both TB-2 and TB-3 at 10.5 fbg, from what was believed to have been fill material, and at 13.5 fbg from what appeared to be native soils beneath to former first generations UST's.
- With the exception of the 310 and 52 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg) reported in TB-2 at 10.5 and 13.5 fbg, respectively, and the 440

and 5.4 mg/kg TPHg reported in TB-2 at 10.5 and 13.5 fbg, respectively, none of the soil samples collected from any of the three borings reported any detectable petroleum hydrocarbon concentrations above their respective detection limits.

- Concentrations of TPHg reported in TB-2 and TB-3 attenuate one to two orders of magnitude with depth. Further, the concentrations of TPHg reported in TB-2 and TB-3 at 13.5 fbg, at just above soil groundwater interface, do not exceed the lowest environmental screening level of 83 mg/kg established for deeper soils at sites where groundwater is a current or potential source of drinking water, and therefore do not pose at threat to the groundwater at this site.
- This site meets the low risk fuel site case closure criteria and should be considered for closure and no further action.

SITE DESCRIPTION AND BACKGROUND

This former Shell service station is located at the north corner of the Bancroft Avenue and 90th Avenue intersection in a mixed commercial and residential area of Oakland, California (Figure 1). A review of historic aerial photographs and Sanborn maps in 1999 indicated that the site was first developed as a gasoline service station in 1960. The former first generation UST location is along the northwest property boundary (Figure 2). The site layout currently includes a second generation UST complex located near the southern corner of the site, four dispenser islands, and a 24-7 Quick Mart (Figure 2).

A summary of previous work performed at the site and additional background information is contained in Attachment A.

INVESTIGATION RESULTS

Permit: A drilling permit was obtained from the Alameda County Public Works Agency, and a copy is provided in Attachment B.

Drilling Dates: June 5 and 6, 2008.

Drilling Company: Gregg Drilling and Testing, Inc., of Martinez, California (C57 License No. 485165)

Personnel: CRA geologist Carmen Rodriguez directed the drilling activities under the supervision of California Professional Geologist Ana Friel.

Drilling Method: Air knife, water knife and hollow stem auger.

Number of Well Borings: Three soil borings (TB-1, TB-2, and TB-3) were successfully drilled during this investigation in the vicinity of, and from within the former first generation UST cavity. Because the actual location of the former first generation UST cavity was only approximately known, and due to the apparent native soils encountered from boring TB-1, relative to the backfill material and debris encountered in borings TB-2 and TB-3, the location of TB-1 is believed to have been drilled just immediately adjacent to the former first generation UST cavity. Further, because of the backfill material and debris encountered in borings TB-2 and TB-3, numerous attempts at different locations were required before borings TB-2 and TB-3 could be successfully drilled and sampled. However, because of the backfill material and debris encountered in TB-2 and TB-3, it was determined that these two borings were drilled in locations from within the former first generation UST cavity. In addition, because these borings were drilled in what Shell considers a "critical area", the borings were cleared by air knife and water knife to 10 fbg, before any mechanical augering or sampling could commence. The boring specifications and soil types encountered are described on the boring logs contained in Attachment C. The final boring locations are shown on Figure 3.

Boring Depths: Boring TB-1 was extended to 13 fbg, and borings TB-2 and TB-3 were extended to 14 fbg.

Groundwater Depths: Groundwater was not encountered in any of the soil borings.

Soil Sampling: Soil samples for chemical analysis were collected from boring TB-1 at 10.5 and 12.5 fbg. As noted above, TB-1 appears to have been drilled immediately adjacent to the former first generation tanks, and the soil samples were collected from what appeared to be native material in this vicinity.

Soil samples for chemical analysis were collected from borings TB-2 and TB-3 at 10.5 and 13.5 fbg from within the former first generation

UST cavity. Based on field observations, the material within the former first generation UST cavity from surface to approximately 10 fbg appeared to be backfill material and contained various types of debris, and the zone between approximately 10 fbg to approximately 12 fbg appeared to be a transition area between the backfill material and native soils, while the material below approximately 12 fbg was determined to be native soils (see boring logs in Attachment C). Therefore, the soil samples collected from TB-2 and TB-3 at 10.5 fbg were collected from what appeared to be a transition area; and soil samples collected from TB-2 and TB-3 at 13.5 fbg were collected from the native soils beneath the former first generation UST's, and at just above the groundwater interface, which was measured at approximately 15 fbg in the adjacent well MW-2.

Soil Disposal: One-55 gallon drum of soil and 12 55-gallon drums of soil sludge were generated during field activities and stored onsite. The drum of soil was sampled and profiled for disposal, and the laboratory analytical report is included in Attachment D. Waste disposal confirmation documentation is pending and can be provided by CRA upon request.

FINDINGS and CONCLUSIONS

Soil: The soil chemical analytical data are summarized in Table 1 and TPHg, benzene, and methyl tertiary butyl ether (MTBE) analytical results are presented on Figure 3. Laboratory analytical reports are presented in Attachment E.

With the exception of concentrations of TPHg in both TB-2 and TB-3, none of the soil samples collected from any of the three soil borings reported any detectable petroleum hydrocarbon concentrations above their respective detection limits. The soil samples from boring TB-2 at 10.5 and 13.5 fbg reported concentrations of TPHg at 310 and 52 mg/kg, respectively, which reflects an attenuation of an order of magnitude with depth between the fill and the native soils. The soil samples from boring TB-3 at 10.5 and 13.5 fbg reported concentrations of TPHg at 440 and 5.4 mg/kg, respectively, which reflects an attenuation of two orders of magnitude with depth between the fill and the native soils. Further, as shown in Table 1, the concentrations of TPHg reported in TB-2 and TB-3 at 13.5 fbg, which was at just above soil groundwater interface, do not exceed the lowest environmental screening level of 83 mg/kg

established for deeper soils at sites where groundwater is a current or potential source of drinking water (ref: Table C of SFBRWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* – Interim Final – November 2007 [revised May 2008]), and therefore do not pose at threat to the groundwater at this site.

RECOMENDATIONS

Given the above noted findings and conclusions, in conjunction with the arguments for site closure presented in Cambria's September 28, 2006 *Subsurface Investigation Report,* and in CRA's August 16, 2007 *Groundwater Monitoring Report – Second Quarter 2007 and Request for Closure Consideration,* **on behalf of Shell, CRA is requesting that the site be considered for closure as a low risk fuel site, and that no further action be required.** Groundwater monitoring at this site has been discontinued, and upon concurrence from ACHCSA, the monitoring wells will be properly destroyed.

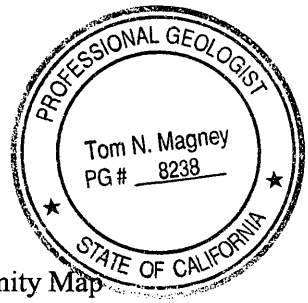
CLOSING

If you have any questions regarding the contents of this document, please call Dennis Baertschi at (707) 268-3813.

Sincerely,
Conestoga-Rovers & Associates

Dennis Baertschi
Project Geologist

Ana Friel, PG



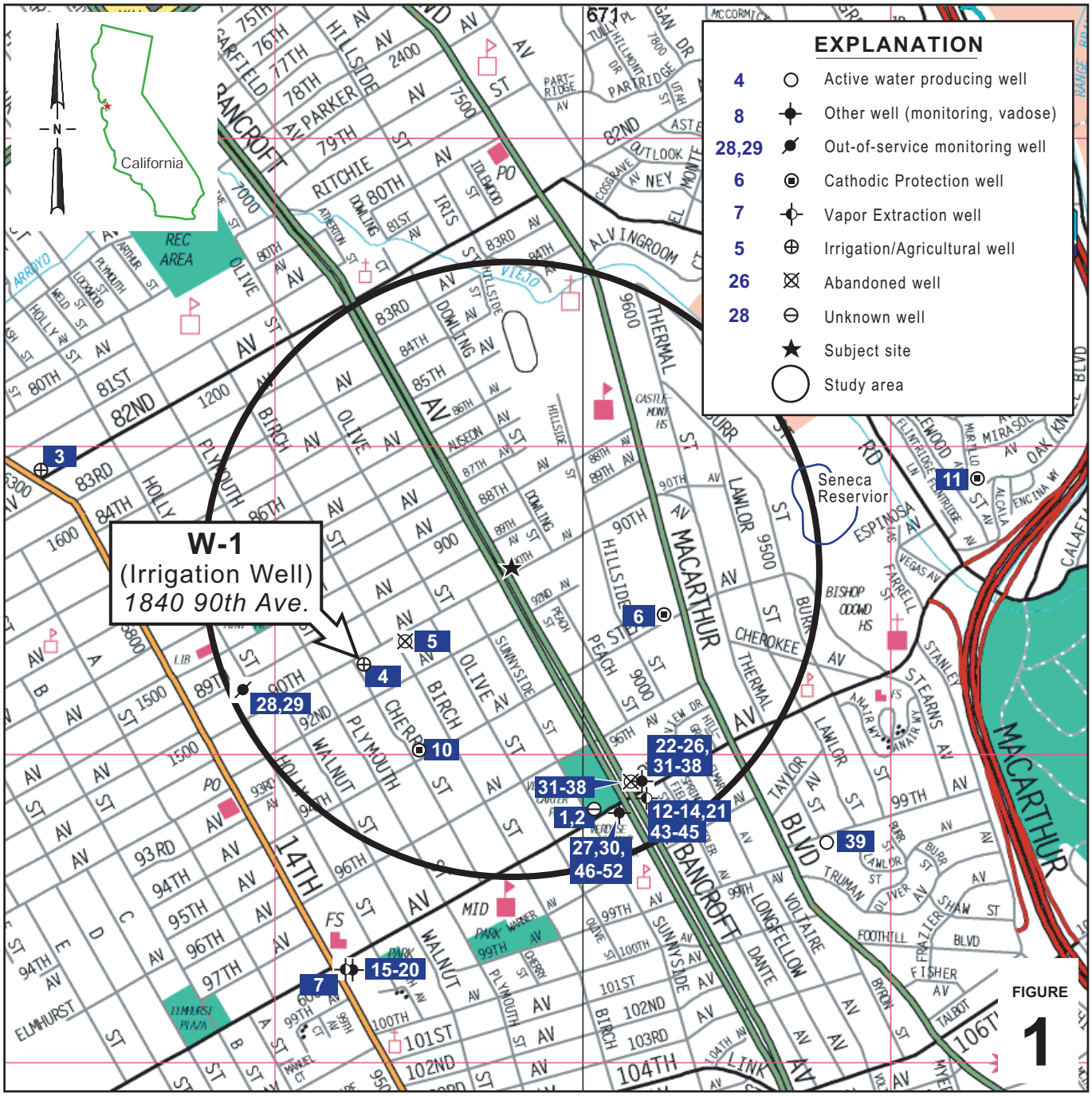
Figures: 1 - Vicinity Map
2 - Site Plan
3 - Soil Chemical Concentration Map – June 5 and 6, 2008

Tables: 1 - Soil Analytical Data

Attachments: A - Site History
B - Permits
C - Boring Logs
D -Waste Disposal Documentation
E - Certified Analytical Reports

cc: Denis Brown, Shell Oil Products US
Sidhu Associates, 8930 Bancroft Ave., Oakland, CA 94605

05/16/07



I:\SONOMA.SHELL\OAKLAND 8930 BANCROFT\FIGURES\VICINITY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE 1" = 1/4 MILE

Former Shell Service Station

8930 Bancroft Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

07/03/08

Site Map

EXPLANATION

- MW-1 — Monitoring well location
- CPT-1 — Soil boring location (7/13/06)
- SB-A — Cambria soil boring location (04/01/01)
- TB-1 — Soil boring location
- Sanitary Sewer line (SS)
- Storm Drain line (SD)
- Electrical line (E)
- Gas line (G)
- Unknown line (UK)
- Flow direction
- Storm drain inlet
- Manhole
- FL — Flowline elevation (in feet above msl)

Note:
All conduit locations are approximate

Groundwater Flow Direction
(2Q00 through 4Q06)

Lamp Post
UST Vents
Former Shell Station
8930 Bancroft Ave.
property line
Fenced Enclosure
former USTs
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
TB-1
TB-2
TB-3
Dispenser Islands
Former Pump Island
USTs
Unknown Metal Line
UK
E
G
SD
sidewalk
48"Ø SD
12"Ø SD
15"Ø SD
42"Ø SD
10"Ø SS
8"Ø SS
FL = 44.99'
FL = 46.11'
FL = 44.21'
FL = 44.08'
FL = 43.06'
FL = 43.97'
FL = 51.30'
FL = 45.00'
SB-1
SB-A
SB-2
SB-B
SB-C
median
BANCROFT AVENUE
90TH AVENUE
residential property
Nearest Sensitive Receptor to Site
Irrigation Well
1,100 ft. WSW

0 15 30 60
Scale (ft)

FIGURE
2

Former Shell Service Station
8930 Bancroft Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

H:\SONOMA\SHELL\OAKLAND 8930 BANCROFT\FIGURES\Site Map_Jul08.DWG

07/03/08

Soil Chemical Concentration Map

June 5 and 6, 2008

EXPLANATION

MW-1	Monitoring well location
CPT-1	Soil boring location (7/13/06)
SB-A	Cambria soil boring location (04/01/01)
TB-1	Soil boring location
440/ND/ND/10.5'	TPHg/Benzene/MTBE soil concentrations in milligrams per kilogram/Depth in feet
ND	Not detected
	Sanitary Sewer line (SS)
	Storm Drain line (SD)
	Electrical line (E)
	Gas line (G)
	Unknown line (UK)
	Flow direction
	Storm drain inlet
	Manhole
FL	Flowline elevation (in feet above msl)

Notes:
TB-1 and TB-2 soil borings were sampled on 6/5/08 and TB-3 was sampled on 6/6/08.

Note:
All conduit locations are approximate

Groundwater Flow Direction
(2Q00 through 4Q06)

Lamp Post
UST Vents
Former Shell Station
8930 Bancroft Ave.
property line
Fenced Enclosure
former USTs
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
TB-1
ND/ND/ND/10.5'
ND/ND/ND/12.5'
TB-2
310/ND/ND/10.5'
52/ND/ND/13.5'
TB-3
440/ND/ND/10.5'
5.4/ND/ND/13.5'
Dispenser Islands
Former Pump Island
USTs
Unknown Metal Line
UK
G
E
SD
sidewalk
48"Ø SD
12"Ø SD
15"Ø SD
FL = 44.99'
FL = 44.21'
FL = 44.08'
FL = 43.06'
FL = 43.97'
FL = 51.30'
SB-1
FL = 46.11'
median
BANCROFT AVENUE
42"Ø SD
SB-A
SB-2
SB-B
SB-C
residential property
Nearest Sensitive Receptor to Site
Irrigation Well
1,100 ft. WSW
FL = 45.00'
10"Ø SS
8"Ø SS
90TH AVENUE
N
E
S
W
0 15 30 60
Scale (ft)

Former Shell Service Station
8930 Bancroft Avenue
Oakland, California

FIGURE
3

CONESTOGA-ROVERS & ASSOCIATES

I:\SONOMA-SHELL\OAKLAND 8930 BANCROFT\FIGURES\Soil Chem Map_Jul08.DWG

Attachment A

Site History

SITE HISTORY and PREVIOUS WORK

Former Shell Service Station,
8930 Bancroft Avenue
Oakland, California

1983-1984 First Generation Underground Storage Tanks (USTs) Removal: Based on a review of available documentation, Conestoga-Rovers & Associates (CRA) was able to determine that sometime in 1983 or 1984, three first generation USTs and associated piping were removed from the northwest side of the site, and were replace with three new second generation USTs in a new UST cavity located along the southeast side of the site.

1983 Well Installation: In May 1983, Gettler Ryan, Inc. of Dublin, California installed groundwater monitoring wells MW-1 through MW-6 at the site. The well installations were in response to reported gasoline-saturated soils discovered by an independent drilling contractor. The wells were completed between 18 and 19 feet below grade (fbg) and constructed of 3-inch-diameter schedule 40 PVC. No soil or groundwater analytical samples were collected during the well installations. A report detailing the well installations is not available for review at the time of this writing.

1998 Well Sampling: In December 1998, Blaine Tech Services, Inc. (Blaine) developed and sampled the six monitoring wells. Based on hydrocarbon and methyl tertiary-butyl ether (MTBE) detections in the groundwater samples, Cambria Environmental Technology, Inc., (Cambria) filed a December 23, 1998 Underground Storage Tank Unauthorized Release (Leak)/Contaminant Site Report (Form 5) on Shell's behalf.

1999 Phase I Environmental Site Assessment: In April 1999, Cambria conducted a limited Phase I environmental assessment and sensitive receptor survey to identify recognized environmental conditions at the site and to identify wells and surface water bodies within a ½-mile radius of the subject property. A review of historical city directories did not identify any facilities within a ¼-mile radius which have a reasonable potential to impact soil or groundwater quality beneath the subject property. The well survey identified 30 wells of various types within ½-mile of the site. The only identified surface water within the ½-mile radius was Viejo Creek, located approximately ½-mile to the north of the site. Cambria's April 16, 1999 *Limited Phase I Environmental Assessment and Sensitive Receptor Survey Report* summarizes these findings.

1999 Underground Storage Tanks (USTs), Piping and Dispenser Replacement Sampling: In July 1999, the three second generation 10,000-gallon fiberglass USTs and associated piping and dispensers were removed and replaced at the site. The three new UST's were placed in the same cavity as those that were removed. Soil samples collected beneath the removed USTs,

dispensers, and product piping contained up to 6.20 milligrams per kilogram (mg/kg) MTBE. Following removal activities and sampling, Shell discontinued operating USTs at the site. Cambria's September 20, 1999 *Underground Storage Tank Closure Report* summarizes these activities.

2000 Well Survey: During the fourth quarter 2000, Shell conducted a well survey to identify potential receptors within ½-mile of the site. This survey was performed using well logs provided by the California Department of Water Resources (DWR). Five wells were identified downgradient of the site and classified as "irrigation/agricultural," "unknown," or "active water producing" wells. As recommended in the November 30, 2000 *Site Investigation Work Plan*, Cambria conducted a field reconnaissance to verify the existence of the five wells. Well locations are plotted on Figure 1. Well #4 was located and observed to be currently in use as an irrigation well. Well #5 and observed to be abandoned. Wells #28 and #29 were located on Pacific Bell property and appear to be out-of-service monitoring wells. Cambria could not locate well #10 using the location information given on the DWR well log. Well #10 is listed as an unknown well with similar owner information and construction details to well #11, which was reported as a cathodic protection well. Based on this information, Cambria believes well #10 is most likely a cathodic protection well. Cambria's November 30, 2000 *Site Investigation Work Plan* reports well survey results.

2000 Conduit Study: In order to determine whether underground utility trenches may be serving as preferential pathways for contaminant migration from the site, Shell conducted a subsurface conduit study of areas adjacent to the site. During the fourth quarter 2000, Cambria obtained local utility maps from the City of Oakland Public Works Department which located storm sewer and sanitary sewer conduits and their flow line elevations in relation to mean sea level (msl). Based on the findings, it appeared that adjacent sewer conduits existed at elevations which, at times, have been near or below the elevation of the on-site groundwater. Cambria concluded that it is possible groundwater had previously flowed in the utility trench backfill material during periods of higher groundwater elevations. Conduit study results were reported in Cambria's November 30, 2000 *Site Investigation Work Plan.*

2001 Subsurface Investigation: In April 2001, Cambria advanced soil borings SB-A, SB-B, and SB-C and collected grab groundwater samples within the public right-of-way, downgradient of the site and across Bancroft Avenue. Groundwater was first encountered at approximately 14 fbg in boring SB-A and SB-B, which is deeper than the 7.28 to 9.07 fbg levels encountered during the March 2001 monitoring event. Groundwater was not encountered in boring SB-C to the total explored depth of 26 fbg. Groundwater samples were collected at 14 to 16 fbg in borings SB-A and SB-B. MTBE was only detected in soil sample SB-B-18.0 at a concentration of 0.055 mg/kg.

MTBE was detected only in groundwater sample SB-B-H2O at a concentration of 450 micrograms per liter (µg/l). Details of the well installations were reported in Cambria's August 6, 2001 *Subsurface Investigation Report and Sampling Frequency Reduction Recommendation.*

2001 Well Survey: In August 2001, Cambria performed a door-to-door well survey for properties within 500 feet downgradient of the site, including those northwest, west and southwest of the site. Cambria mailed questionnaires to property owners and followed up with a field reconnaissance of the survey area. Twenty-two of the 42 parcels provided well survey data. Based on the completed survey questionnaires, no water wells were identified within 500 feet downgradient of the site. Details of the well survey were reported in Cambria's September 25, 2001 *Door-to-Door Well Survey Report.*

2004 Irrigation Well Sampling: Cambria's September 25, 2001 *Door-to-Door Well Survey Report* identified one active irrigation well approximately 1,300 feet downgradient of the site. After several attempts by Shell and the ACHCSA to contact the property owner by mail, a response was received from Ms. Wanda Brooks, the contact for the property owner. When Cambria spoke with Ms. Brooks on October 7, 2004, she confirmed that the well was currently being used as a backyard irrigation well, that it was installed in 1980, and that it is approximately 50 feet deep. Ms. Brooks granted verbal permission for Shell to sample water from the well. At Shell's request, Cambria collected one water sample from this well and analyzed it for MTBE on November 10, 2004. MTBE was not detected.

2006 Subsurface Investigation: In a January 12, 2006 email to ACHCSA, Cambria requested that the site be reviewed for closure based on the low level to mostly non-detectable concentrations of chemicals of concern in the groundwater at the site at that time, and ACHCSA agreed in a response email. Closure of the site was subsequently discussed during a February 2, 2006 meeting with ACHCSA, at which time ACHCSA stated that additional information was necessary before the case could be reviewed for closure. Specifically, ACHCSA requested that Shell investigate the offsite extent of impacted groundwater downgradient of the site. Two offsite soil borings (SB-1 and SB-2) were drilled in July of 2006, but the collection of a groundwater sample from either of these two borings was unsuccessful due to lack of groundwater recharge in either boring. The field activities associated with these offsite borings was documented in Cambria's September 28, 2006 *Subsurface Investigation Report*, in which an argument was presented by Cambria that, because of attenuating concentrations of constituents in the groundwater onsite, further attempts to collect the offsite data was no longer warranted, and that the site should be reviewed for closure as a low risk fuel site.

Second Quarter 2007 Groundwater Monitoring Report: Case closure of this site was again discussed with ACHCSA during a meeting on March 29, 2007, during which ACHCSA indicated that the site would be reviewed for closure after receipt of the Second Quarter 2007 groundwater monitoring data, and that the groundwater monitoring program for the site could be discontinued after the Second Quarter 2007 event, while the site was being reviewed for closure. The Second Quarter 2007 groundwater monitoring data was presented to ACHCSA in CRA's August 16, 2007 *Groundwater Monitoring Report – Second Quarter 2007 and Request for Closure Consideration*, in which CRA requested that the site continue to be reviewed for closure as a low risk fuel site. ACHCSA responded to this request in an October 12, 2007 letter, in which ACHCSA noted that they had performed a complete review of all the information in the case files, but that further information was required regarding the former first generation UST's, and the extent of any contamination in the area of these former USTs, to complete the case closure review.

Historical Groundwater Monitoring Program: Quarterly groundwater monitoring has been performed at the site since January 1998, and as noted above, was discontinued after the Second Quarter 2007 groundwater monitoring event. Depth to water has ranged historically between 5.93 and 16.02 fbg, and the groundwater flow direction typically has a westerly flow.

During the Second Quarter 2007 monitoring and sampling event, with the exception of the 1,100 µg/l TPHg concentrations reported in well MW-5, all the analyzed constituents in all the wells were reported at either below detection limits or at very low concentrations. The 1,100 µg/l TPHg reported in MW-5 was an increase from the less than 50 µg/l reported in previous quarters in this well. The TPHg reported in this well also contained an associated laboratory note stating that the sample's chromatographic pattern for TPH did not match the chromatographic pattern of the specified standard and that quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard. In addition, the groundwater sample during the Second Quarter 2007 was analyzed for TPHg using EPA Method 8015B, and not EPA Method 8260B, which was the method historically used for TPHg analysis at this site. Because CRA's experience with the analysis of TPHg by the different EPA Methods referenced is that TPHg analyzed by EPA Method 8015B can tend to report higher concentrations than when analyzed by EPA Method 8260B, and because there was no associated increase in BTEX constituents reported, and the sample's chromatographic pattern for TPH did not match the chromatographic pattern of the specified standard, CRA concluded that the apparent increase in TPHg concentrations in well MW-5 during the Second Quarter 2007 was a reflection of the reporting of an unknown analyte in the groundwater and/or the analytical method performed, and not an actual increase in fuel product contaminant in the groundwater.

Attachment B

Permits

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 05/23/2008 By vickyh1

Permit Numbers: W2008-0294
Permits Valid from 06/05/2008 to 06/05/2008

Application Id: 1211417737006 **City of Project Site:** Oakland
Site Location: 8930 Bancroft Avenue
Former Shell-branded station
Current 24-7 Gas-branded station
Project Start Date: 06/05/2008 **Completion Date:** 06/05/2008
Requested Inspection: 06/05/2008
Scheduled Inspection: 06/05/2008 at 1:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant: Conestoga-Rovers & Associates - Carmen Rodriguez **Phone:** 510-420-3371
5900 Hollis St., Suite A, Emeryville, CA 94608
Property Owner: Sid Sidhn **Phone:** 510-366-5796
Sidhn Associates 8930 Bancroft Ave., Oakland, CA 94605
Client: Denis Brown **Phone:** 707-865-0251
Shell Oil Products US, 20945 S. Wilmington Ave, Carson, CA 90810

Total Due: $200.00
Receipt Number: WR2008-0178 **Total Amount Paid:** $200.00
Payer Name : Conestoga-Rovers & Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 3 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: hstem **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0294	05/23/2008	09/03/2008	3	8.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

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

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 05/23/2008 By vickyh1

Permit Numbers: W2008-0294
Permits Valid from 06/06/2008 to 06/06/2008

Application Id: 1211417737006 **City of Project Site:** Oakland
Site Location: 8930 Bancroft Avenue
Former Shell-branded station
Current 24-7 Gas-branded station
Project Start Date: 06/05/2008 **Completion Date:** 06/05/2008
Requested Inspection: 06/05/2008
Scheduled Inspection: 06/05/2008 at 1:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)
Extension Start Date: 06/06/2008 **Extension End Date:** 06/06/2008
Extension Count: 1 **Extended By:** vickyh1

Applicant: Conestoga-Rovers & Associates - Carmen Rodriguez **Phone:** 510-420-3371
5900 Hollis St., Suite A, Emeryville, CA 94608
Property Owner: Sid Sidhn **Phone:** 510-366-5796
Sidhn Associates 8930 Bancroft Ave., Oakland, CA 94605
Client: Denis Brown **Phone:** 707-865-0251
Shell Oil Products US, 20945 S. Wilmington Ave, Carson, CA 90810

Total Due: $200.00
Receipt Number: WR2008-0178 **Total Amount Paid:** $200.00
Payer Name : Conestoga-Rovers & Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 3 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: hstem **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0294	05/23/2008	09/03/2008	3	8.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five

(5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

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

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Attachment C

Boring Logs

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476
Telephone: 707-935-4850
Fax: 707-935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	TB-1
JOB/SITE NAME	Former Shell service station	**DRILLING STARTED**	05-Jun-08
LOCATION	8930 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	05-Jun-08
PROJECT NUMBER	241408	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	C. Rodriquez	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.6	
							SILT with Sand (ML) ; dark yellowish brown (10YR 4/4); dry; 5% clay, 70% silt, 20% fine sand, 5% fine gravel; low plasticity. @ 0.8' - **SILT (ML)** ; very dark brown (10YR 2/2); dry; 20% clay, 80% silt; low plasticity.		
				5					
					ML				Portland Type I/II
	6 8 8	TB-1-10.5'		10			@ 10' - **SILT with Sand (ML)** ; dark olive brown (2.5Y 3/3); firm; dry; 20% clay, 65% silt, 15% fine sand; low plasticity. @ 10.5' - **SILT (ML)** ; dark olive gray (5Y 3/2); firm; dry; 25% clay, 65% silt, 5% fine sand, 5% fine gravel; low plasticity. @ 12' - dark yellowish brown (10YR 4/4); firm; dry; 20% clay, 70% silt, 10% fine sand. @ 12.5' - olive (5Y 4/3).	13.0	
	6 9 13	TB-1-12.5'							Bottom of Boring @ 13 ft
				15					
				20					

WELL LOG (PID) I:\SONOMA.SHELL\OAKLAND 8930 BANCROFT\GINT\OA8930.GPJ DEFAULT.GDT 6/25/08

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476
Telephone: 707-935-4850
Fax: 707-935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	TB-2
JOB/SITE NAME	Former Shell service station	**DRILLING STARTED**	05-Jun-08
LOCATION	8930 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	05-Jun-08
PROJECT NUMBER	241408	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	C. Rodriquez	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.5	
							Gravelly SILT with Sand (ML) ; dark olive brown (2.5Y 3/3); dry; 20% clay, 35% silt, 15% fine sand, 30% fine gravel.		
				5			@ 3' - **Sandy SILT with Gravel (ML)** ; dark olive brown (2.5Y 3/3); moist; 10% clay, 45% silt, 30% fine to coarse sand, 15% fine gravel; low plasticity.		
					FILL				
							@ 7' - **Sandy SILT (ML)** ; dark greenish gray (10Y 4/1); moist; 20% clay, 45% silt, 25% fine to medium sand, 10% fine gravel; low plasticity.		Portland Type I/II
				10					
410	3 4 4	TB-2-10.5'					@ 10' - dark greenish gray (10GY 3/1); soft; moist; 10% clay, 55% silt, 30% fine to coarse sand, 5% fine gravel.		
	3 4 7						@ 11' - 5% clay, 55% silt, 40% fine to coarse sand.	12.0	
					ML		@ 12' - **SILT (ML)** ; dark greenish gray (10GY 3/1); soft; moist; 15% clay, 85% silt; low plasticity.		
	20 20						@ 13' - **SILT with Sand (ML)** ; dark greenish gray (10GY 3/1); hard; moist; 10% clay, 75% silt, 15% fine sand; low plasticity.	14.0	
115		TB-2-13.5'		15					Bottom of Boring @ 14 ft
				20					

WELL LOG (PID) I:\SONOMA.SHELL\OAKLAND 8930 BANCROFT\GINT\OA8930.GPJ DEFAULT.GDT 6/25/08

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476
Telephone: 707-935-4850
Fax: 707-935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	TB-3
JOB/SITE NAME	Former Shell service station	**DRILLING STARTED**	05-Jun-08
LOCATION	8930 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	05-Jun-08
PROJECT NUMBER	241408	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	C. Rodriquez	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.5	
							Sandy SILT with Gravel (ML) ; dark olive brown (2.5Y 3/3); dry; 10% clay, 65% silt, 25% fine sand, 20% fine to coarse gravel; low plasticity. @ 0.8' - **Gravelly SILT (ML)** ; dark olive brown (2.5Y 3/3); dry; 10% clay, 60% silt, 10% fine sand, 20% fine to coarse gravel; low plasticity. @ 1.5' - brown (10YR 4/3). @ 4' - **Sandy SILT with Gravel (ML)** ; brown (10YR 4/3); moist; 15% clay, 45% silt, 30% fine to coarse sand, 10% fine gravel; low plasticity.		
				5	FILL				
									Portland Type I/II
4.3	3 4 4	TB-3-10.5'		10			@ 10' - **Sandy SILT (ML)** ; dark greenish gray (10Y 4/1); soft; moist; 10% clay, 45% silt, 40% fine to coarse sand, 5% fine gravel; low plasticity.		
119.6	7 9 14				FILL		@ 11' - **SILT (ML)** ; dark greenish gray (10Y 4/1); soft; dry; 20% clay, 70% silt, 10% fine gravel; low plasticity.	11.5	
23.6							**Silty SAND (SM)** ; greenish black (10Y 2.5/1); medium dense; moist; 20% silt, 80% fine sand.	12.0	
	18 27				ML		@ 12' - **SILT (ML)** ; dark grayish brown (2.5Y 4/2); hard; dry; 30% clay, 70% silt; medium plasticity. @ 13' - **Sandy SILT with Gravel (ML)** ; dark grayish brown (2.5Y 4/2); hard; moist; 25% clay, 45% silt, 15% fine to coarse sand, 15% fine gravel; low plasticity.		
310		TB-3-13.5'						14.0	
				15					Bottom of Boring @ 14 ft
				20					

WELL LOG (PID) I:\SONOMA.SHELL\OAKLAND 8930 BANCROFT\GINT\OA8930.GPJ DEFAULT.GDT 6/25/08

Attachment D

Waste Disposal Documentation

Calscience Environmental Laboratories, Inc.

June 19, 2008

Dennis Baertschi
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.: 08-06-0809**
Client Reference: 8930 Bancroft Ave., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/10/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-10	**08-06-0809-1-A**	**06/05/08 17:30**	**Solid**	**ICP 5300**	**06/12/08**	**06/13/08 21:20**	**080612L03**

Comment(s): -Mercury was analyzed on 6/13/2008 12:25:37 PM with batch 080612L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	8.69	0.750	1		Molybdenum	ND	0.250	1	
Barium	142	0.500	1		Nickel	41.3	0.250	1	
Beryllium	0.369	0.250	1		Selenium	ND	0.750	1	
Cadmium	0.597	0.500	1		Silver	ND	0.250	1	
Chromium	29.8	0.250	1		Thallium	ND	0.750	1	
Cobalt	8.23	0.250	1		Vanadium	31.3	0.250	1	
Copper	21.8	0.500	1		Zinc	67.9	1.00	1	
Lead	29.8	0.500	1						

Method Blank	099-04-007-5,581	N/A	Solid	Mercury	06/12/08	06/13/08 12:50	080612L04

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-11,080	N/A	Solid	ICP 5300	06/12/08	06/12/08 16:35	080612L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/10/08
19449 Riverside Drive, Suite 230		Work Order No:	08-06-0809
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-10	**08-06-0809-1-A**	**06/05/08 17:30**	**Solid**	**GC 46**	**06/13/08**	**06/14/08 11:12**	**080613B10**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	2100	250	50		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	127	61-145	

Method Blank	099-12-025-318	N/A	Solid	GC 46	06/13/08	06/14/08 01:15	080613B10

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	81	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-10	**08-06-0809-1-A**	**06/05/08 17:30**	**Solid**	**GC 45**	**06/13/08**	**06/14/08 11:12**	**080613B14**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	10000	1200	50		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	127	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-254-475**	**N/A**	**Solid**	**GC 45**	**06/13/08**	**06/14/08 04:36**	**080613B14**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/10/08
19449 Riverside Drive, Suite 230		Work Order No:	08-06-0809
Sonoma, CA 95476-6955		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-10	**08-06-0809-1-A**	**06/05/08 17:30**	**Solid**	**FLAA**	**06/16/08**	**06/16/08 20:16**	**080616L05**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	1.00	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-020-918**	**N/A**	**Solid**	**FLAA**	**06/16/08**	**06/16/08 20:16**	**080616L05**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	1.00	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/10/08
19449 Riverside Drive, Suite 230		Work Order No:	08-06-0809
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-10	**08-06-0809-1-A**	**06/05/08 17:30**	**Solid**	**GC/MS R**	**06/17/08**	**06/17/08 20:26**	**080617L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	92	70-130			1,4-Bromofluorobenzene-TPPH	94	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-717-69**	**N/A**	**Solid**	**GC/MS R**	**06/17/08**	**06/17/08 16:53**	**080617L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 3050B
Method: EPA 6010B

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-0298-1	**Solid**	**ICP 5300**	**06/12/08**	**06/12/08**	**080612S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	7	10	50-115	36	0-20	3,4
Arsenic	97	97	75-125	0	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	102	104	75-125	2	0-20	
Cadmium	103	103	75-125	0	0-20	
Chromium	97	100	75-125	1	0-20	
Cobalt	103	104	75-125	1	0-20	
Copper	105	108	75-125	1	0-20	
Lead	103	101	75-125	1	0-20	
Molybdenum	84	86	75-125	2	0-20	
Nickel	96	100	75-125	1	0-20	
Selenium	77	75	75-125	2	0-20	
Silver	100	101	75-125	2	0-20	
Thallium	101	101	75-125	0	0-20	
Vanadium	92	101	75-125	3	0-20	
Zinc	91	94	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 3550B
Method: EPA 8015B

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-1138-5	**Solid**	**GC 46**	**06/13/08**	**06/14/08**	**080613S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	77	80	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-1233-25	**Solid**	**GC 45**	**06/13/08**	**06/14/08**	**080613S14**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	90	77	64-130	16	0-15	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received:	06/10/08
Work Order No:	08-06-0809
Preparation:	DHS LUFT
Method:	DHS LUFT

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-1477-1	**Solid**	**FLAA**	**06/16/08**	**06/16/08**	**080616S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	83	83	22-148	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-0838-1	**Solid**	**Mercury**	**06/12/08**	**06/13/08**	**080612S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	97	98	84-138	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0809
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-1430-1	**Solid**	**GC/MS R**	**06/17/08**	**06/17/08**	**080617S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	81	77	70-130	4	0-30	
Ethylbenzene	92	88	70-130	5	0-30	
Toluene	89	83	70-130	7	0-30	
p/m-Xylene	97	92	70-130	5	0-30	
o-Xylene	96	91	70-130	5	0-30	
Methyl-t-Butyl Ether (MTBE)	109	105	70-130	3	0-30	
Tert-Butyl Alcohol (TBA)	90	87	70-130	3	0-30	
Diisopropyl Ether (DIPE)	97	92	70-130	6	0-30	
Ethyl-t-Butyl Ether (ETBE)	103	98	70-130	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	100	95	70-130	6	0-30	
Ethanol	75	74	70-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-06-0809
Preparation: EPA 3050B
Method: EPA 6010B

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-11,080	**Solid**	**ICP 5300**	**06/12/08**	**06/12/08**	**080612L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	113	113	80-120	0	0-20	
Arsenic	109	110	80-120	0	0-20	
Barium	113	114	80-120	0	0-20	
Beryllium	107	107	80-120	0	0-20	
Cadmium	114	114	80-120	0	0-20	
Chromium	109	110	80-120	0	0-20	
Cobalt	115	115	80-120	0	0-20	
Copper	113	113	80-120	0	0-20	
Lead	116	117	80-120	0	0-20	
Molybdenum	113	113	80-120	0	0-20	
Nickel	118	119	80-120	0	0-20	
Selenium	106	105	80-120	1	0-20	
Silver	106	107	80-120	0	0-20	
Thallium	114	115	80-120	1	0-20	
Vanadium	109	109	80-120	0	0-20	
Zinc	112	112	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	08-06-0809
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-318	**Solid**	**GC 46**	**06/13/08**	**06/14/08**	**080613B10**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	77	80	75-123	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-06-0809
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-475	**Solid**	**GC 45**	**06/13/08**	**06/14/08**	**080613B14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	77	77	75-123	0	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received:	N/A
Work Order No:	08-06-0809
Preparation:	DHS LUFT
Method:	DHS LUFT

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-918	**Solid**	**FLAA**	**06/16/08**		**080616L05**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	24.1	96	72-126	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
19449 Riverside Drive, Suite 230	Work Order No:	08-06-0809
Sonoma, CA 95476-6955	Preparation:	EPA 7471A Total
	Method:	EPA 7471A

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,581	**Solid**	**Mercury**	**06/12/08**	**06/13/08**	**080612L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	101	102	87-117	1	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-06-0809
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-717-69	**Solid**	**GC/MS R**	**06/17/08**	**06/17/08**	**080617L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	78	80	65-135	1	0-30	
Benzene	81	82	70-130	1	0-30	
Ethylbenzene	86	88	70-130	2	0-30	
Toluene	87	87	70-130	1	0-30	
p/m-Xylene	90	91	70-130	1	0-30	
o-Xylene	89	91	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	102	103	70-130	0	0-30	
Tert-Butyl Alcohol (TBA)	91	87	70-130	4	0-30	
Diisopropyl Ether (DIPE)	95	94	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	103	96	70-130	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	98	98	70-130	0	0-30	
Ethanol	79	74	70-130	7	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-06-0809

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name: Denis Brown
PO #:
INCIDENT # (ENV SERVICES): 98995742
☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 6/5/2008
PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates	CRAW

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

PROJECT CONTACT (Hardcopy or PDF Report to): Dennis Baertschi

TELEPHONE: 707-268-3813 | FAX: 707-268-8180 | E-MAIL: dbaertschi@craworld.com

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
8930 Bancroft Ave, Oakland	CA	

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Felicia Ballard, CRA, Sonoma	707-935-4850	sonomaedf@craworld.com	241408-2008-7

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 06-0809

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

cc: Kari Dupler, kdupler@craworld.com

~~Call composite sample ID and field point name D-A~~

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM 17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)			Container PID Readings or Laboratory Notes
1	~~D-1A~~ D-10	6/5	1230	SO						1	X	X	X											X	X						Please call composite sample D-A
	~~D-2A~~			~~SO~~						~~1~~	X	X	X											X	X						
	~~D-3A~~			~~SO~~						~~1~~	X	X	X											X	X						
	~~D-4A~~			~~SO~~						~~1~~	X	X	X											X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	secure location	6/6/08	1250
Jennifer Mendoza	Ian O'Malley CEL	6/9/08	1020
TO 6-9-08 GSO 1730		6/10/08	0950

5097386699

05/2/06 Revision

0809

Contingent analyses

- Organic lead required if TTLC lead ≥ 13 mg/kg
- Aquatic bioassay required if **any** TPH (gasoline, diesel, or motor oil) ≥ 5,000 mg/kg
- TCLP benzene required if benzene ≥ 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 ≥ 150 mg/kg
Arsenic	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Barium	1,000/2,000	STLC required if TTLC ≥ 1,000 mg/kg; STLC and TCLP required if TTLC ≥ 2,000 mg/kg
Beryllium	7.5	STLC required if TTLC ≥ 7.5 mg/kg
Cadmium	10/20	STLC required if TTLC ≥ 10 mg/kg; STLC and TCLP required if TTLC ≥ 20 mg/kg
Chromium	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Cobalt	800	STLC required if TTLC ≥ 800 mg/kg
Copper	250	STLC required if TTLC ≥ 250 mg/kg
Lead	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Mercury	2/4	STLC required if TTLC ≥ 2 mg/kg; STLC and TCLP required if TTLC ≥ 4 mg/kg
Molybdenum	350	STLC required if TTLC ≥ 350 mg/kg
Nickel	200	STLC required if TTLC ≥ 200 mg/kg
Selenium	10/20	STLC required if TTLC ≥ 10 mg/kg; STLC and TCLP required if TTLC ≥ 20 mg/kg
Silver	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Thallium	70	STLC required if TTLC ≥ 70 mg/kg
Vanadium	240	STLC required if TTLC ≥ 240 mg/kg
Zinc	2,500	STLC required if TTLC ≥ 2,500 mg/kg

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 06 - 0809

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA **DATE:** 6/10/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter Only).
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.8 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature (For Air & Filter Only).

Initial: _____

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: _____

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: _____

COMMENTS:

Calscience Environmental Laboratories, Inc.

June 26, 2008

Dennis Baertschi
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.: 08-06-1927**
Client Reference: 8930 Bancroft Ave., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/20/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/20/08
19449 Riverside Drive, Suite 230		Work Order No:	08-06-1927
Sonoma, CA 95476-6955		Preparation:	N/A
		Method:	CA F&G

Project: 8930 Bancroft Ave., Oakland, CA

Test Species:	Fathead Minnow (Pimephales Promelas)	**Mean Length:**	43 mm	**Mean Weight:**	0.47 g
Sample Collected:	06/18/08 14:30:00	**Sample Received:**	06/20/08 10:00:00		
Test Start:	06/20/08 12:00:00	**Test End:**	06/24/08 12:00:00		

Initial Water Quality Parameters

Residual Chlorine:	<	0.01	mg/L	**Temperature:**	20 C
pH:		7.92	units	**Conductivity:**	890 umhos/cm
Dissolved Oxygen (D.O.):		7.13	mg/L	**Alkalinity:**	196 mg/L
Hardness:		40	mg/L	**Ammonia:**	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental Aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
D-10	**08-06-1927-1-A**	**06/18/08**	**Solid**	**06/20/08**	**06/24/08 12:00:00**	

Parameter	Result	RL	DF	Qual	Units
Bioassay 750 mg/L (% Mortality)	0	0	1		%
Bioassay 250 mg/L (% Mortality)	0	0	1		%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-06-1927

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 98994574 2

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/18/2008

PAGE: 1 of 1

PO #

SAP #

SAMPLING COMPANY:	Conestoga-Rovers & Associates
LOG CODE:	CRAW
ADDRESS:	19449 Riverside Drive, Suite 230, Sonoma, California 95476
PROJECT CONTACT (Hardcopy or PDF Report to):	Dennis Baertschi
TELEPHONE:	707-268-3813
FAX:	707-268-8180
E-MAIL:	dbaertschi@craworld.com
SITE ADDRESS: Street and City	8930 Bancroft Ave, Oakland
State	CA
GLOBAL ID NO.:	
EDF DELIVERABLE TO (Name, Company, Office Location):	Felicia Ballard, CRA, Sonoma
PHONE NO.:	707-935-4850
E-MAIL:	sonomaedf@craworld.com
CONSULTANT PROJECT NO.:	241408-2008-7
SAMPLER NAME(S) (Print):	Carmen Rodriguez
LAB USE ONLY	06- 1927

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

cc: Kari Dupler, kdupler@craworld.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM 17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)	Fish Bioassay	Container PID Readings or Laboratory Notes
1	D-10	6/18	1430	SO						1																			X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Carmen Rodriguez	Received by: (Signature)	Secure location
Date:	6/18/08	Time:	1535
Relinquished by: (Signature)	Jennifer Mendoza	Received by: (Signature)	Tom O'Malley CER
Date:	6/19/08	Time:	1009
Relinquished by: (Signature)	0800 6-19-08 1730	Received by: (Signature)	
Date:	6/20/08	Time:	1000

05/2/06 Revision

5099817471

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 06 - 1927

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA DATE: 6/20/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter only).

___ ___.___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

03.4 °C Temperature blank.
___ ___.___ °C IR thermometer.
_____ Ambient temperature (For Air & Filter only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS:

Attachment E

Certified Analytical Reports

Calscience
Environmental
Laboratories, Inc.

June 20, 2008

Dennis Baertschi
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.: 08-06-0810**
Client Reference: 8930 Bancroft Ave., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/10/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/10/08
19449 Riverside Drive, Suite 230		Work Order No:	08-06-0810
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-1-10.5	**08-06-0810-1-A**	**06/05/08 10:05**	**Solid**	**GC/MS LL**	**06/13/08**	**06/14/08 02:34**	**080613L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	99	70-130		

TB-1-12.5	**08-06-0810-2-A**	**06/05/08 10:10**	**Solid**	**GC/MS LL**	**06/13/08**	**06/14/08 03:46**	**080613L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

TB-2-10.5	**08-06-0810-3-A**	**06/05/08 15:35**	**Solid**	**GC/MS R**	**06/14/08**	**06/15/08 07:20**	**080614L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	310	50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
Benzene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
Ethylbenzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
p/m-Xylene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
o-Xylene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	105	70-130			1,4-Bromofluorobenzene-TPPH	106	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/10/08
19449 Riverside Drive, Suite 230		Work Order No:	08-06-0810
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-2-13.5	**08-06-0810-4-A**	**06/05/08 15:40**	**Solid**	**GC/MS R**	**06/14/08**	**06/15/08 06:50**	**080614L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	52	12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Benzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Ethylbenzene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
Toluene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
o-Xylene	ND	0.12	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	111	70-130			1,4-Bromofluorobenzene-TPPH	110	70-130		

TB-3-10.5	**08-06-0810-5-A**	**06/06/08 10:25**	**Solid**	**GC/MS R**	**06/14/08**	**06/15/08 06:19**	**080614L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	440	50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
Benzene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
Ethylbenzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
p/m-Xylene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
o-Xylene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	108	70-130			1,4-Bromofluorobenzene-TPPH	108	70-130		

TB-3-13.5	**08-06-0810-6-A**	**06/06/08 10:30**	**Solid**	**GC/MS LL**	**06/13/08**	**06/14/08 04:11**	**080613L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	5.4	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	110	70-130			1,4-Bromofluorobenzene-TPPH	109	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	06/10/08
19449 Riverside Drive, Suite 230	Work Order No:	08-06-0810
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg

Project: 8930 Bancroft Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-717-62**	**N/A**	**Solid**	**GC/MS LL**	**06/13/08**	**06/14/08 02:10**	**080613L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	70-130		1,4-Bromofluorobenzene-TPPH	100	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-717-67**	**N/A**	**Solid**	**GC/MS R**	**06/14/08**	**06/15/08 05:49**	**080614L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Benzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Ethylbenzene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
Toluene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
o-Xylene	ND	0.12	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	70-130		1,4-Bromofluorobenzene-TPPH	100	70-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0810
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
TB-1-10.5	**Solid**	**GC/MS LL**	**06/13/08**	**06/14/08**	**080613S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	81	87	70-130	7	0-30	
Ethylbenzene	82	88	70-130	7	0-30	
Toluene	81	88	70-130	8	0-30	
p/m-Xylene	82	89	70-130	8	0-30	
o-Xylene	83	89	70-130	7	0-30	
Methyl-t-Butyl Ether (MTBE)	88	91	70-130	4	0-30	
Tert-Butyl Alcohol (TBA)	67	67	70-130	1	0-30	3
Diisopropyl Ether (DIPE)	84	89	70-130	6	0-30	
Ethyl-t-Butyl Ether (ETBE)	84	89	70-130	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	88	91	70-130	4	0-30	
Ethanol	61	40	70-130	42	0-30	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 06/10/08
Work Order No: 08-06-0810
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-06-0963-10	**Solid**	**GC/MS R**	**06/14/08**	**06/15/08**	**080614S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	0	0	35-135	7	0-30	3
Benzene	88	90	70-130	2	0-30	
Ethylbenzene	14	0	70-130	5	0-30	3
Toluene	98	94	70-130	4	0-30	
p/m-Xylene	0	0	70-130	6	0-30	3
o-Xylene	0	0	70-130	10	0-30	3
Methyl-t-Butyl Ether (MTBE)	119	124	70-130	3	0-30	
Tert-Butyl Alcohol (TBA)	103	99	70-130	4	0-30	
Diisopropyl Ether (DIPE)	119	117	70-130	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	124	123	70-130	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	114	106	70-130	7	0-30	
Ethanol	93	92	70-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-06-0810
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-717-62	**Solid**	**GC/MS LL**	**06/13/08**	**06/14/08**	**080613L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	111	110	65-135	1	0-30	
Benzene	98	99	70-130	2	0-30	
Ethylbenzene	103	104	70-130	1	0-30	
Toluene	100	102	70-130	1	0-30	
p/m-Xylene	105	105	70-130	0	0-30	
o-Xylene	104	105	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	99	98	70-130	0	0-30	
Tert-Butyl Alcohol (TBA)	90	96	70-130	6	0-30	
Diisopropyl Ether (DIPE)	94	95	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	95	95	70-130	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	98	99	70-130	1	0-30	
Ethanol	121	119	70-130	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-06-0810
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8930 Bancroft Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-717-67	**Solid**	**GC/MS R**	**06/14/08**	**06/15/08**	**080614L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	98	98	65-135	0	0-30	
Benzene	83	83	70-130	0	0-30	
Ethylbenzene	92	93	70-130	1	0-30	
Toluene	89	90	70-130	1	0-30	
p/m-Xylene	95	97	70-130	1	0-30	
o-Xylene	93	94	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	96	98	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	95	95	70-130	0	0-30	
Diisopropyl Ether (DIPE)	90	91	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	96	90	70-130	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	91	91	70-130	0	0-30	
Ethanol	85	90	70-130	6	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-06-0810

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] CALSCIENCE (_____)
- [ ] SPL (_____)
- [ ] XENCO (_____)
- [ ] TEST AMERICA (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:

- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER _____

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 98995742

- [ ] CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: 6/5/2008

PAGE: 1 of 1

SAMPLING COMPANY:	Conestoga-Rovers & Associates
LOG CODE:	CRAW
SITE ADDRESS: Street and City	8930 Bancroft Ave, Oakland
State	CA
GLOBAL ID NO.:	
ADDRESS:	19449 Riverside Drive, Suite 230, Sonoma, California 95476
EDF DELIVERABLE TO (Name, Company, Office Location):	Felicia Ballard, CRA, Sonoma
PHONE NO.:	707-935-4850
E-MAIL:	sonomaedf@craworld.com
CONSULTANT PROJECT NO.:	241408-2008-7
PROJECT CONTACT (Hardcopy or PDF Report to):	Dennis Baertschi
TELEPHONE:	707-268-3813
FAX:	707-268-8180
E-MAIL:	dbaertschi@craworld.com
SAMPLER NAME(S) (Print):	Carmen Rodriguez
LAB USE ONLY	06-0810

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	TB-1-10.5	6/5	1005	SO						1	X		X	X										
2	TB-1-12.5	"	1010	"						"	"		"	"										
3	TB-2-10.5	"	1535	"						"	"		"	"										
4	TB-2-13.5	"	1540	"						"	"		"	"										
5	TB-3-10.5	6/6	1025	"						"	"		"	"										
6	TB-3-13.5	"	1030	"						"	"		"	"										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	secure location	6/6/08	1250
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Jennifer Mendoza	Tom O'Malley CEL	6/9/08	1020
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1730 6.9.08		6/10/08	0950

5097738699

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 06 - 0810

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA **DATE:** 6/10/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter Only).
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.5 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature (For Air & Filter Only).

Initial: _____

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: _____

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: _____

COMMENTS: