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

Re: Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, California
SAP Code 135676
Incident No. 98995741
ACHCSA Case No. RO0000303

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
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April 25, 2008

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

Re: **Site Investigation Report**
Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, California
SAP Code 135676
Incident No. 98995741
ACHCSA Case No. RO0000303

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) 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. The main purpose of the investigation was to further define the extent of groundwater impact downgradient (southwest and west) of the site, along the southwestern side of West MacArthur Boulevard, and downgradient of onsite well MW-5, which consistently reports the highest concentrations of petroleum hydrocarbons in the groundwater on the site In addition, a secondary purpose of the investigation was to research the potential for groundwater discharge into any subsurface drainage systems or sumps associated with any basements or subsurface structures located beneath the Kaiser Oakland Medical Center, located across West MacArthur Boulevard from the subject site. The investigations were requested by Alameda County Health Care Services Agency (ACHCSA) in a letter dated May 2, 2007. CRA followed the scope of work and procedures presented in our July 24, 2007 *Site Investigation Work Plan,* which was approved by the ACHCSA in their letter dated August 14, 2007. The work was performed in accordance with ACHCSA and San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) guidelines.

EXECUTIVE SUMMARY

- Three offsite soil borings (SB-9, SB-10, and SB-11) were drilled southwest and west of the site to further delineate the groundwater plume in the downgradient direction, and one onsite soil boring (SB-12) was drilled in the vicinity well MW-5 for groundwater data comparison.
- Three soil samples were collected from each boring, and with the exception of some very low level methyl tertiary butyl either (MTBE) reported in one of the soil samples, none of the soil samples contained detectable concentrations of petroleum hydrocarbons.

- Grab groundwater samples were collected from each of the four soil borings. Maximum concentrations of petroleum hydrocarbons from the offsite soil borings were reported in the grab groundwater sample from offsite boring SB-9 at 1,700 micrograms per liter (µg/l) total petroleum hydrocarbons as gasoline (TPHg) and 120 µg/l MTBE. No benzene was reported in any of the offsite grab groundwater samples.
- The benzene and MTBE groundwater plumes have been delineated to the west and southwest of the site by the offsite soil borings to <0.50 and 120 µg/l, respectively. The TPHg groundwater plume has been delineated to the southwest of the site to <50.0 µg/l by borings SB-10 and SB-11. The 1,700 µg/l TPHg reported in SB-9, west of the site, shows horizontal attenuation with distance from the site, relative to the 4,900 µg/l TPHg reported in onsite boring SB-12.
- Based on research and an evaluation of the two basements identified beneath the Kaiser Oakland Medical Center, the hydrocarbon groundwater plume associated with the subject site does not appear to be posing a threat to either of these two potential receptors
- Given the limitations posed by the large adjacent structure located southwest of West MacArthur Boulevard, and the constraints and safety issues posed by the numerous underground utilities that exist in both the sidewalk and southwestern most lane of West MacArthur Boulevard, and in light of the absence of benzene and the low level concentrations of MTBE reported in soil boring SB-9, along with the absence of any potential sensitive receptors at risk by the groundwater plume, Shell does not believe that additional delineation downgradient and further west to northwest of soil boring SB-9 is feasible nor warranted at this site.

SITE DESCRIPTION AND BACKGROUND

The subject property is an operating Shell-branded service station located on the northern corner of West MacArthur Boulevard and Piedmont Avenue in Oakland, California (Figure 1). The station layout includes three underground fuel storage tanks (USTs), two dispenser islands, and a station kiosk (Figure 2). The station is located in a primarily commercial area in Oakland. A former Gulf service station is located northwest and adjacent to the site. The Kaiser Oakland Medical Center occupies the portion of the building located directly across West MacArthur Boulevard from the subject site.

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: January 31 and February 1, 2008.

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

Personnel: CRA geologist Peter Schaefer directed the drilling activities under the supervision of California Professional Geologist Joe W. Neely.

Drilling Method: Air knife and hydraulic push.

Number of Borings: Four soil borings (SB-9 through SB-12) were drilled during this investigation. Three of the borings (SB-9, SB-10, and SB-11) were drilled within the southwestern most lane of MacArthur Boulevard, southwest and west of the subject site to assist with offsite delineation, and boring SB-12 was drilled onsite in the vicinity of well MW-5 for onsite grab groundwater data comparison.

The boring specifications and soil types encountered are described on the boring logs contained in Attachment C. The boring locations are shown on Figure 2.

Boring Depths: Soil borings SB-9 through SB-12 were drilled to depths ranging from 22 to 24 feet below grade (fbg).

Groundwater Depths: Groundwater was first encountered in borings SB-9 through SB-12 at depths ranging from 18.5 to 21 fbg.

Soil Sampling: Soil samples for chemical analysis were collected from each boring at 7 to 7.5 fbg, at 11 to 11.5 fbg, and at 15.5 fbg.

Groundwater Sampling: Grab groundwater samples for chemical analysis were collected from borings SB-9, SB-10, SB-11, and SB-12 at approximately 20, 18.5, 20, and 21 fbg, respectively, through a temporary well casing within the open borehole using new disposable bailers.

Soil Disposal: The soil sludge and the soils generated during the field activities were placed in 55-gallon drums, stored onsite, and sampled and profiled for disposal. The laboratory analytical report is included in Attachment D. On February 25, 2008, American Integrated Services, Inc., transported the drum of soil sludge to Crosby & Overton, Inc., of Long Beach California for disposal. On March 12, 2008, Philip West Industrial Services transported the drum of soil to Altamont Landfill & Resource Recovery Facility of Livermore, Californian for disposal. The waste disposal confirmation documentation for the drum of soil sludge and drum of soil is provided in Attachment D.

Potential Receptor Research: CRA contacted representatives of the Kaiser Oakland Medical Center (Kaiser), located across West MacArthur Boulevard and west and southwest of the subject site, in an effort to obtain information regarding any subsurface drainage systems or sumps existing within any basements or subsurface structures located beneath the building. Although numerous requests were made, Kaiser was not able to provide CRA with any construction drawings that would potentially show the location of any basements or subsurface structures located beneath the building and/or any associated subsurface drainage systems or sumps. Kaiser did allow CRA access to their building and a site reconnaissance of the Kaiser building was performed by CRA on behalf of Shell. Two subsurface basements were identified located beneath the Kaiser Oakland Medical Center, and their approximate locations are shown on Figures 2, 3, and 4. Basement #1, located closest to West Macarthur Boulevard and generally southwest of soil boring SB-11, is not currently being used for any purpose by Kaiser personnel, and has an approximately 2 feet deep sump located along the northeastern wall but contains no other subsurface drainage system. Basement #2, located furthest away from West Macarthur Boulevard and generally southwest of soil boring SB-10, is currently being partially used by Kaiser

personnel for file storage and contains no sumps or subsurface drainage system. Both basements, and the sump in Basement #1, were screened for organic vapors during the site reconnaissance by using a photo-ionization detector (PID).

FINDINGS

Soil Chemical Data: The soil chemical analytical data from the borings are summarized in Table 1, and the total petroleum hydrocarbons as gasoline (TPHg), benzene, methyl tertiary butyl ether (MTBE), and tertiary butyl alcohol (TBA) analytical results are presented on Figure 3. The laboratory analytical reports are presented in Attachment E.

Grab Groundwater Chemical Data: The grab groundwater chemical analytical data is summarized in Table 2 and TPHg, benzene, MTBE, and TBA analytical results are presented on Figure 4. The laboratory analytical reports are presented in Attachment E.

Potential Receptor Research: The two basements identified by CRA during a building reconnaissance of the Kaiser Oakland Medical Center are presented on Figures 2, 3, and 4. Basement #1, currently not being used, was described as having a 'damp' feeling to it but no obvious signs of intrusion by groundwater was evident or observed, and no petroleum hydrocarbon odors were noted in Basement #1. Basement #2, currently being partially used for storage, showed some evidence of "wet areas", but these areas appeared to be associated with older leaking water pipes, and no obvious signs of intrusion by groundwater was evident or observed, and no petroleum hydrocarbon odors were noted in Basement #2. Basement #1 and the associated sump, and Basement #2 were screened by a PID to assess for the presence of organic vapors in the basements. PID readings were collected from various select locations from within each basement for a duration of between 30 seconds to one minute at each location. The results of the vapor screening performed with the PID in each basement did not report any concentrations hydrocarbon vapor in either of the basements or the associated sump.

DISCUSSION

Offsite Delineation Discussion: Four soil borings (SB-9 through SB-12) were drilled during this investigation for the collection of soil and grab groundwater samples to assist with defining the extent of groundwater impact downgradient (southwest and west) of the site. Soil borings SB-9, SB-10, and SB-11 were drilled within the southwestern most lane of MacArthur Boulevard, southwest and west of the subject site, and soil boring SB-12 was drilled onsite for site grab groundwater data comparison.

Three soil samples for chemical analysis were collected from each of the four borings and with the exception of the 0.0053 milligrams per kilogram (mg/kg) MTBE reported in the soil sample from onsite boring SB-12 at 15.5 fbg, no detectable concentrations of petroleum hydrocarbons were reported in any of the soil sample collected during this investigation.

Grab groundwater samples were collected from each of the four soil borings. Detectable concentrations of TPHg were reported in the grab groundwater samples collected from borings SB-9 and S-12 at 1,700 and 4,900 µg/l, respectively. Detectable concentrations of benzene were reported only in the grab groundwater sample collected from onsite boring SB-12 at 120 µg/l. MTBE was reported in all four grab groundwater samples at concentrations ranging from 2.6 µg/l to 120 µg/l (SB-9). In addition, the grab groundwater sample from onsite boring SB-12 also contained 100 µg/l tertiary butyl alcohol and 11 µg/l di-isopropyl ether.

The benzene groundwater plume has been effectively delineated to west and southwest of the site by borings SB-9, SB-10, and SB-11. The MTBE groundwater plume has been delineated to the west and southwest of the site by borings SB-9, SB-10, and SB-11 to a maximum concentration of 120 µg/l reported in boring SB-9. The TPHg groundwater plume has been effectively delineated to the southwest of the site by borings SB-10 and SB-11, and although the 1,700 µg/l TPHg reported in boring SB-9 shows horizontal attenuation of the TPHg plume relative to the 4,900 TPHg reported in onsite boring SB-12, complete delineation of the TPHg groundwater plume does not appear to have been accomplished to the west of the site by SB-9.

Due to the fact that the entire block across West MacArthur Boulevard from the subject site is comprised of essentially one large structure that extends down past the intersection of Howe Street and on through to Broadway, drilling additional borings or wells on any offsite private property to further delineate the plume beyond soil boring SB-9 is not feasible. Further, as was discovered during this investigation, because the sidewalk along the southwest side of West MacArthur Boulevard, as well as the southwestern most lane of West MacArthur Boulevard, contains numerous underground utilities, and because of the typically very high traffic volume experienced on West MacArthur Boulevard, drilling additional borings or wells in the public right-of-way to further delineate the plume beyond soil boring SB-9 is severely constrained and poses high safety concerns. Given this situation, and that the benzene and MTBE plumes have been delineated to <0.50 and 120 µg/l, respectively by the borings, that the TPHg plume attenuates with distance from the subject site, and that there are no sensitive receptors in the vicinity at risk (reference Cambria Environmental Technology, Inc.'s October 31, 2002 *Sensitive Receptor Survey, Conduit Study Report and Subsurface Investigation Work Plan,* and the receptor

discussion below), Shell does not believe that additional delineation downgradient and further west to northwest of soil boring SB-9 is feasible nor warranted at this site.

Potential Receptor Discussion: Two basements were identified (see Basement #1 and Basement #2 on Figure 4) beneath the Kaiser Oakland Medical Center and were further evaluated to determine if the hydrocarbon plume associated with the subject site could pose a potential risk to either of these two receptors. Given that no obvious signs of intrusion by groundwater was evident in either basement, no petroleum hydrocarbon odors were noted and no PID readings were reporting in either basement, and that only low level concentrations of MTBE and toluene were reported in the grab groundwater samples from the respective adjacent soil borings SB-10 and SB-11 (Figure 4), the hydrocarbon plume associated with the subject site does not appear to be posing a threat to either of these two potential receptors.

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 Manager

Joe W. Neely, PG

PROFESSIONAL GEOLOGIST
JOSEPH W. NEELY
No. 6927
STATE OF CALIFORNIA

Figures:
1 - Vicinity Map
2 - Site Map
3 - Soil Chemical Concentration Map
4- Grab Groundwater Chemical Concentration Map

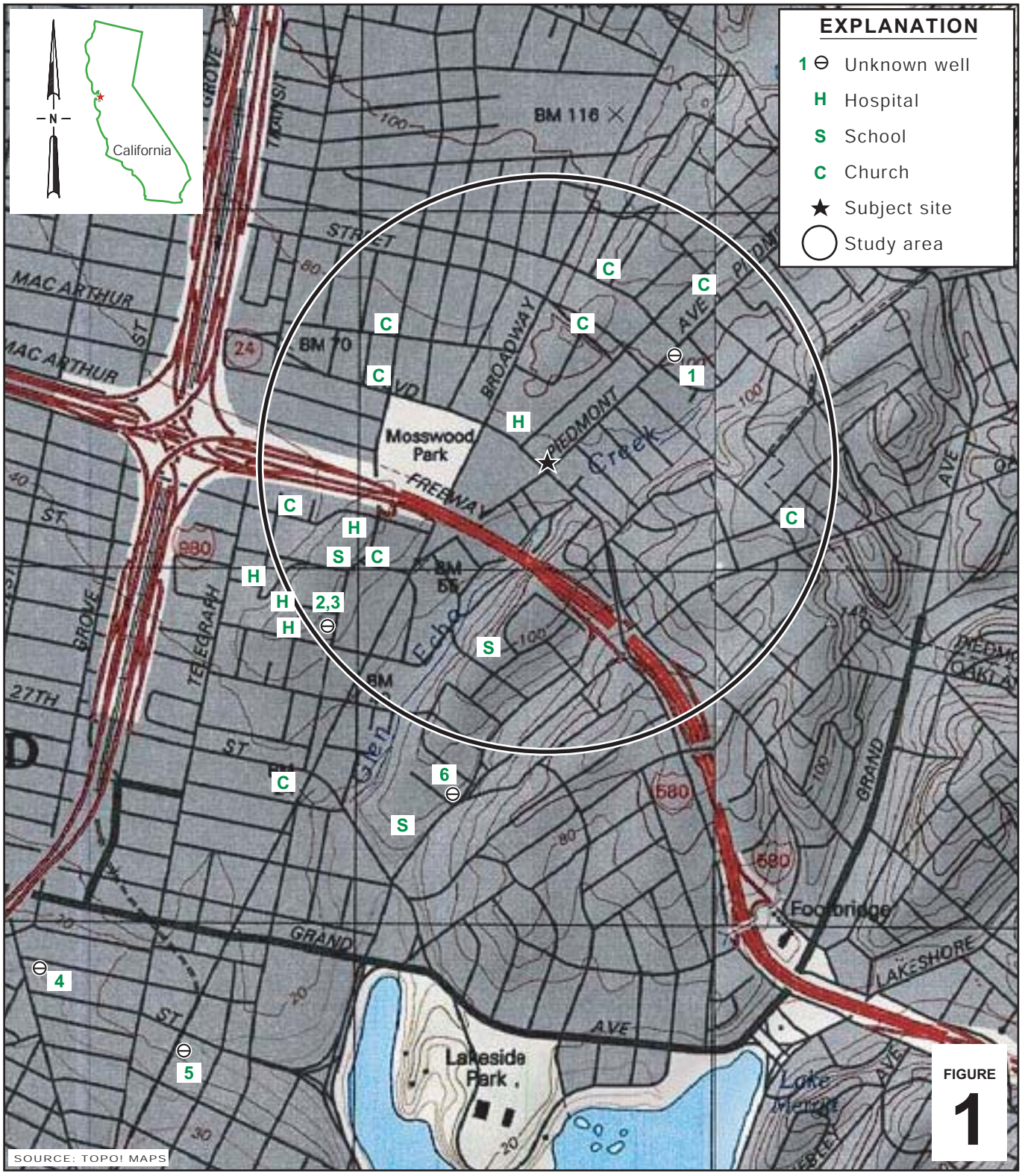
Tables:
1 - Soil Analytical Data
2- Grab Groundwater Analytical Data

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

cc: Mr. Denis Brown, Shell Oil Products US

I:\Sonoma.Shell\Oakland 230 MacArthur\REPORTS\2008 Offsite Geoprobes\230 W Mac Offsite SIR.doc

05/03/07



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0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

Shell-branded Service Station

230 West MacArthur Boulevard

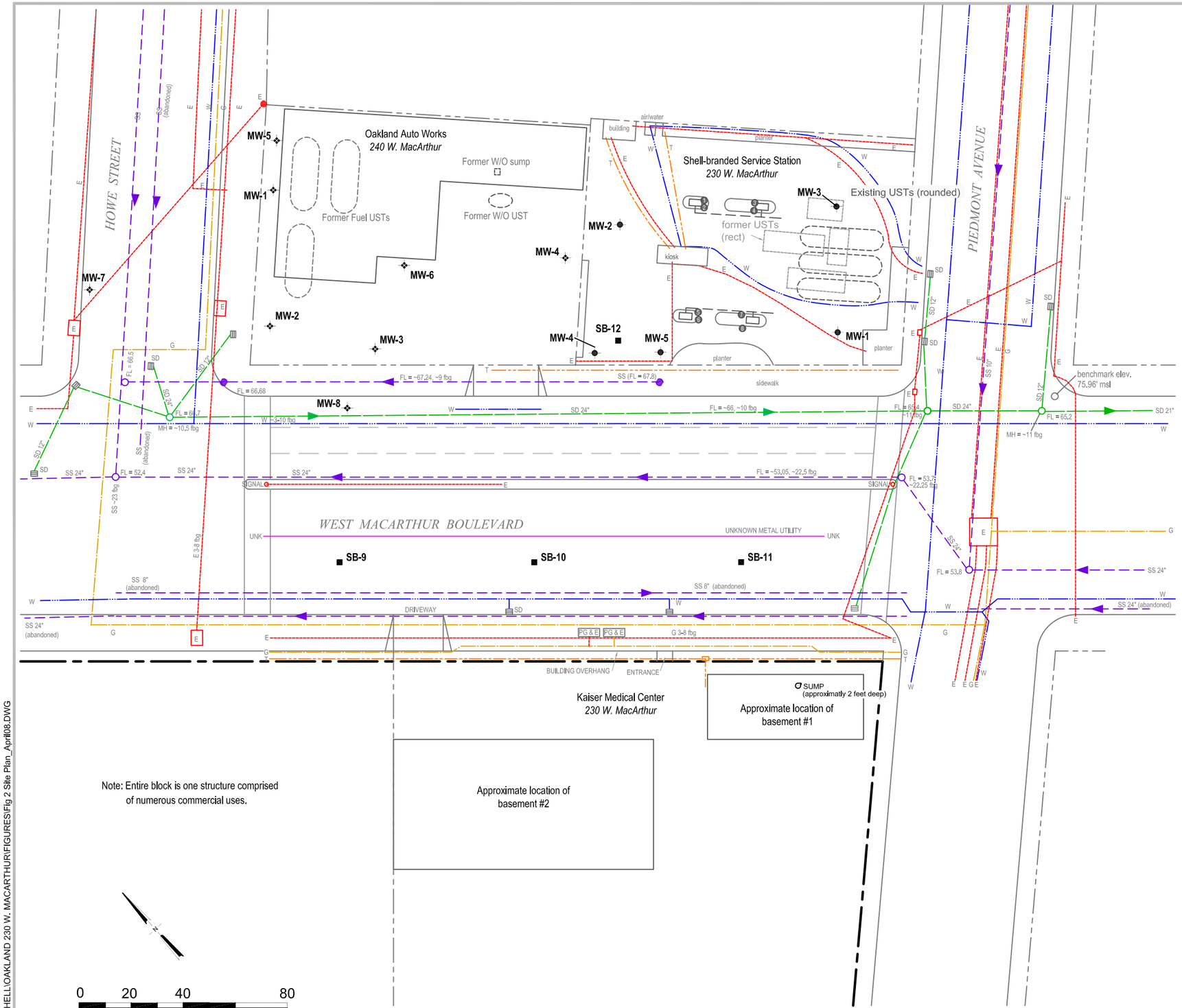
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

04/03/08

Site Map

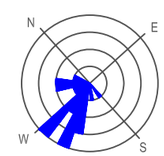


EXPLANATION

- SB-9 ■ Soil boring location
- MW-1 ● Monitoring well location (Shell, 7/11-12/88)
- MW-1 ✧ Monitoring well location (240 W. MacArthur)
- Flow direction
- Storm drain inlet
- Sump
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Electrical line (E)
- Telecommunications line (T)
- Unknown (UKN)
- Property and structure boundry line
- FL — Flow line elevation, in feet above mean sea level
- fbg — Feet below grade
- ❶ Product dispenser number

Basement locations are approximate and based on field reconnaissance done by CRA, and are not based on any actual as-built drawings for the building.

Note: Entire block is one structure comprised of numerous commercial uses.



Groundwater Flow Direction
(Shell, 4Q96 through 4Q06)

Site features for 240 W. MacArthur based on figure provided by Stellar Environmental Solutions, Inc.

FIGURE
2

Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\SONOMA.SHELL\OAKLAND 230 W. MACARTHUR\FIGURES\Fig 2 Site Plan_Apr08.DWG

04/25/08

Soil Chemical Concentration Map

EXPLANATION

- SB-9 ■ Soil boring location
- MW-1 ● Monitoring well location (Shell, 7/11-12/88)
- MW-1 ✧ Monitoring well location (240 W. MacArthur)
- Flow direction
- Storm drain inlet
- Sump
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Electrical line (E)
- Telecommunications line (T)
- Unknown (UKN)
- Property and structure boundry line
- <0.50/<0.0050/<0.0050/<0.050/7' TPHg/benzene/MTBE/TBA soil concentrations in Milligrams per kilogram (mg/kg)/depth in feet
- FL Flow line elevation, in feet above mean sea level
- fbg Feet below grade
- ❶ Product dispenser number

Basement locations are approximate and based on field reconnaissance done by CRA, and are not based on any actual as-built drawings for the building.

HOWE STREET

PIEDMONT AVENUE

WEST MACARTHUR BOULEVARD

Oakland Auto Works
240 W. MacArthur

Former W/O sump

Former Fuel USTs

Former W/O UST

Shell-branded Service Station
230 W. MacArthur

Existing USTs (rounded)

former USTs (rect)

kiosk

building

air/water

planter

sidewalk

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8

SB-12
<0.50/<0.0050/<0.0050/<0.050/7.5'
<0.50/<0.0050/<0.0050/<0.050/11'
<0.50/<0.0050/**0.0053**/<0.050/15.5'

SB-9
<0.50/<0.0050/<0.0050/<0.050/7'
<0.50/<0.0050/<0.0050/<0.050/11.5'
<0.50/<0.0050/<0.0050/<0.050/15.5'

SB-10
<0.50/<0.0050/<0.0050/<0.050/7'
<0.50/<0.0050/<0.0050/<0.050/11.5'
<0.50/<0.0050/<0.0050/<0.050/15.5'

SB-11
<0.50/<0.0050/<0.0050/<0.050/7.5'
<0.50/<0.0050/<0.0050/<0.050/11.5'
<0.50/<0.0050/<0.0050/<0.050/15.5'

benchmark elev. 75.96' msl

UNKNOWN METAL UTILITY

DRIVEWAY

BUILDING OVERHANG

ENTRANCE

SUMP (approximatly 2 feet deep)

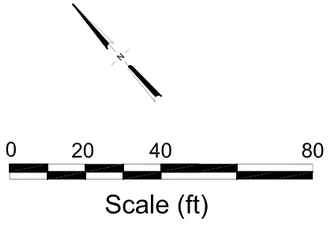
Approximate location of basement #1

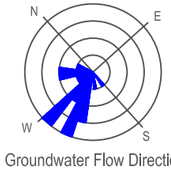
Approximate location of basement #2

Kaiser Medical Center
230 W. MacArthur

Note: Entire block is one structure comprised of numerous commercial uses.

Site features for 240 W. MacArthur based on figure provided by Stellar Environmental Solutions, Inc.





Groundwater Flow Direction
(Shell, 4Q96 through 4Q06)

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

230 West MacArthur Boulevard

Oakland, California

FIGURE

3

I:\SONOMA.SHELL\OAKLAND 230 W. MACARTHUR\FIGURES\Fig 3 Soil Chem Map_Apr08.DWG

04/25/08

Grab Groundwater Chemical Concentration Map

EXPLANATION

- SB-9 ■ Soil boring location
- MW-1 ● Monitoring well location (Shell, 7/11-12/88)
- MW-1 ✧ Monitoring well location (240 W. MacArthur)
- Flow direction
- Storm drain inlet
- Sump
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Electrical line (E)
- Telecommunications line (T)
- Unknown (UKN)
- Property and structure boundry line
- <50/<0.50/**2.6**/<10 — TPHg/benzene/MTBE/TBA groundwater concentrations in Micrograms per liter (µg/L)
- FL — Flow line elevation, in feet above mean sea level
- fbg — Feet below grade
- ❶ Product dispenser number

Basement locations are approximate and based on field reconnaissance done by CRA, and are not based on any actual as-built drawings for the building.

HOWE STREET

PIEDMONT AVENUE

WEST MACARTHUR BOULEVARD

Oakland Auto Works
240 W. MacArthur

Former W/O sump
Former Fuel USTs
Former W/O UST

Shell-branded Service Station
230 W. MacArthur

Existing USTs (rounded)
former USTs (rect)
kiosk
building
air/water
planter
sidewalk

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8

SB-12
4,900/120/33/100

SB-9
1,700/<0.50/**120**/<10

SB-10
<50/<0.50/**94**/<10

SB-11
<50/<0.50/**2.6**/<10

UNKNOWN METAL UTILITY

Kaiser Medical Center
230 W. MacArthur

Approximate location of basement #1

Approximate location of basement #2

SUMP (approximatly 2 feet deep)

benchmark elev. 75.96' msl

DRIVEWAY

BUILDING OVERHANG

ENTRANCE

Note: Entire block is one structure comprised of numerous commercial uses.

Site features for 240 W. MacArthur based on figure provided by Stellar Environmental Solutions, Inc.

Groundwater Flow Direction
(Shell, 4Q96 through 4Q06)

0 20 40 80
Scale (ft)

FIGURE
4

Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\SONOMA.SHELL\OAKLAND 230 W. MACARTHUR\FIGURES\Fig 4 GW Chem Map_April08.DWG

Table 1. Soil Analytical Data, Shell-branded Service Station, 230 West MacArthur Boulevard, Oakland, California

Sample ID	Date Sampled	Depth feet	TPHg mg/kg	B mg/kg	T mg/kg	E mg/kg	X mg/kg	MTBE mg/kg	TBA mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg
SB-9-7	01-Feb-08	7.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-9-11.5	01-Feb-08	11.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-9-15.5	01-Feb-08	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-10-7	01-Feb-08	7.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-10-11.5	01-Feb-08	11.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-10-15.5	01-Feb-08	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-11-7.5	01-Feb-08	7.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-11-11.5	01-Feb-08	11.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-11-15.5	01-Feb-08	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-12-7.5	01-Feb-08	7.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-12-11	01-Feb-08	11.0	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010
SB-12-15.5	01-Feb-08	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	**0.0053**	<0.050	<0.010	<0.010	<0.010

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M

The following constituents analyzed by EPA Method 8260B:

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tertiary-amyl methyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary-butyl ether

TAME = Tertiary-amyl methyl ether

mg/kg = Milligrams per kilogram

<x = Not detected at reporting limit x

Table 2. Grab Groundwater Analytical Data, Shell-branded Service Station, 230 West MacArthur Boulevard, Oakland, California

Sample ID	Date Sampled	TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TBA ug/L	DIPE ug/L	ETBE ug/L	TAME ug/L
SB-9	01-Feb-08	**1,700**	<0.50	<1.0	<1.0	<1.0	**120**	<10	<2.0	<2.0	<2.0
SB-10	01-Feb-08	<50	<0.50	<1.0	<1.0	<1.0	**94**	<10	<2.0	<2.0	<2.0
SB-11	01-Feb-08	<50	<0.50	**14**	<1.0	<1.0	**2.6**	<10	<2.0	<2.0	<2.0
SB-12	01-Feb-08	**4,900**	**120**	**11**	**170**	**42.2**	**33**	**100**	**11**	<2.0	<2.0

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M

The following constituents analyzed by EPA Method 8260B:

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tertiary-amyl methyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary-butyl ether

TAME = Tertiary-amyl methyl ether

ug/L = Micrograms per liter

<x = Not detected at reporting limit x

Attachment A

Site History

SITE HISTORY & PREVIOUS WORK

Shell-Branded Service Station
230 West MacArthur Boulevard
Oakland, California

1986 Site Investigation: In April 1986, Emcon Associates of San Jose, California drilled four exploratory borings (S-A through S-D) within the tank complex to total depths of 20.5 feet below grade (fbg). Groundwater was encountered at approximately 13 fbg. Total hydrocarbon concentrations up to 5,700 parts per million (ppm) were detected in soil samples collected at depths ranging from 4 to 15 fbg. The report for this investigation could not be located at the time of this writing.

1986 Additional Site Assessment: In December 1986, W.W. Irwin, Inc. analyzed soil gas vapors from 38 probe locations throughout the site. The highest hydrocarbon concentrations were reported in the area of the tank complex and dispenser islands. Cambria was unable to locate a report of this investigation.

1987 Recovery Well Installation: In March 1987, Wayne Perry Construction, Inc. (Wayne Perry) installed three 4-inch-diameter, 13-foot-deep, soil-vapor recovery wells (VR-1, VR-2, and VR-3). A soil venting system utilizing an activated carbon scrubber operated between April and November 1987. On August 28, 1987, soil borings B-1 and B-2 were advanced to characterize petroleum hydrocarbons remaining in the soil. The maximum total hydrocarbon concentration of 1,870 ppm was detected in boring B-1 at a depth of 8 fbg. In their January 26, 1988 *Review of Venting Operations,* Wayne Perry concluded that the venting operation had significantly decreased the contamination levels.

1987 UST Removal: On November 2, 1987, the USTs were removed, and soil samples were collected in native soil from the bottom of the UST excavation. Hydrocarbon concentrations ranged from 8.6 to 480 ppm, as documented in Kaprealian Associates December 1, 1987 *Soil Sampling Investigation* report. New USTs were installed in the same excavation.

1988 Soil and Groundwater Investigation: On July 11 and 12, 1988, Ensco Environmental Services Inc. (Ensco) of Fremont, California installed three groundwater monitoring wells (MW-1 through MW-3). Soil samples were collected during well installation for laboratory analysis, and total petroleum hydrocarbons as gasoline (TPHg) were detected at a concentration

of 278 ppm in the boring for MW-3 at 10 fbg. Ensco's September 30, 1988 *Soil and Groundwater Investigation* report documents this investigation.

1989 Phase II Supplemental Soil Investigation: On August 16, 1989, Ensco advanced three soil borings (SB-1, SB-2, and SB-3) to investigate possible hydrocarbon impacts to soil adjacent to the pump islands. TPHg was detected in boring SB2-3 only, at a concentration of 490 ppm at 15.5 fbg. Benzene was not detected in any soil samples collected during this investigation. Ensco's October 9, 1989 *September Quarterly Report* documents investigation results.

1989 Phase II Shallow Groundwater Survey: On October 10, 1989, Ensco subcontractor NET Pacific of Santa Rosa, California advanced three probes (GS-1, GS-2, and GS-3) to sample the shallow groundwater adjacent to the pump islands. TPHg was detected in samples from GS-2 and GS-3 at concentrations of 5,600 parts per billion (ppb) and 8,800 ppb, respectively. Benzene was detected in samples GS-2 and GS-3 at concentrations of 340 ppb and 380 ppb, respectively. Neither TPHg nor benzene was detected in sample GS-1. Ensco's January 19, 1990, *December Quarterly Report* presents the investigation results.

1990 Well Installation: On January 9, 1990, Ensco drilled one exploratory boring at the site and converted it to monitoring well MW-4. Well MW-4 is screened from 15 to 25 fbg. Ensco's March 29, 1990 *March Quarterly Report* documents the well installation.

1990 Shallow Groundwater Investigation: On May 19, 1990, Exceltech subcontractor CHIPS Environmental Consulting, Inc. advanced six probes (Probe 1 through Probe 6) in the sidewalk along West MacArthur Boulevard and collected shallow groundwater samples. TPHg was detected in Probe 2 and Probe 6 at concentrations of 25,000 ppb and 31,000 ppb, respectively. Benzene was detected in Probes 2, 4, 5, and 6 at concentrations ranging from 1 to 430 ppb. Exceltech's July 3, 1990 *June Quarterly Report* documents investigation results.

1998 Dispenser and Turbine Sump Upgrades: In February 1998, Paradiso Mechanical of San Leandro, California upgraded fuel-related equipment at the service station. Secondary containment was added to the existing dispensers and the turbine sumps above the USTs. Cambria inspected the dispenser and tank excavation areas. The City of Oakland required sampling at dispensers only if there was evidence of hydrocarbon impact. No field indications of hydrocarbons, such as staining or odor, were observed during the site visit; so no samples were collected. Cambria's March 10, 1998 *1998 Upgrade Site Inspection Report* presents details.

2002 Sensitive Receptor Survey (SRS), Conduit Study Report, and Subsurface Investigation Work Plan: The October 31, 2002 *Sensitive Receptor Survey, Conduit Study Report, and Subsurface Investigation Work Plan* included a conduit study which reported that a storm drain

located just west of the site, along West MacArthur Boulevard, might intersect groundwater, and that the conduit backfill material may act as a preferential pathway for contaminant migration. The SRS identified two wells of unknown use located approximately ½-mile downgradient of the site and one well of unknown use located approximately 1,500 feet upgradient of the site. Due to the distance from the site to the nearest identified wells, the site is unlikely to impact the identified wells. Glen Echo Creek, the nearest surface water body identified by Cambria, is located approximately 600 feet south of the site. Since calculated groundwater flow direction at the site has been to the west-southwest, petroleum hydrocarbons and fuel oxygenates from the site are not expected to impact Glen Echo Creek.

2003 SRS: In October 2003, Cambria completed an SRS for the site at Shell's request. The SRS targeted the following as potential sensitive receptors: basements within 200 feet, surface water and sensitive habitats within 500 feet, hospitals, residential care and childcare facilities within 1,000 feet, and water wells within ½ mile. No basements were observed within 200 feet, nor were any surface water or sensitive habitats observed within 500 feet. Snow White Day Care (214 West MacArthur Boulevard) is located approximately 150 feet from the site. Kaiser Permanente Hospital (280 West MacArthur Boulevard) is located approximately 450 feet from the site. National Hispanic University (262 Grand Avenue) is located approximately 825 feet from the site. No water wells in addition to those mentioned above were identified within ½ mile of the site.

2004 Subsurface Investigation: In March 2004, two soil borings (SB-1 and SB-2) were advanced to 20 fbg adjacent to the storm drain located just west of the site, and soil and groundwater samples were collected. TPHg was detected in only three soil samples at concentrations ranging from 10 ppm to 43 ppm. Benzene was not detected in any soil sample collected during this investigation. Methyl tertiary-butyl ether (MTBE) was detected in only two soil samples at concentrations of 0.0078 ppm and 0.0099 ppm. All soil samples with detectable TPHg and/or MTBE concentrations were from saturated soils or from within the capillary fringe. TPHg was detected in both grab groundwater samples SB-1-W and SB-2-W at concentrations of 10,000 ppb and 520 ppb, respectively. Benzene was detected in both grab groundwater samples at concentrations of 430 ppb and 4.9 ppb, respectively. MTBE was detected in both grab groundwater samples at concentrations of 110 ppb and 320 ppb, respectively. Cambria's July 2, 2004 *Subsurface Investigation Report* details the investigation.

2005 Fueling System Upgrade: In April 2005, Cambria collected soil samples from beneath the site's dispensers and at selected piping locations following an upgrade of the site's fueling system. Five dispenser soil samples were collected at depths of between 1.5 and 4 fbg and into native soil, and five piping trench soil samples were collected at depths of between 2 and 4.5 fbg

and into native soil. Field indications of hydrocarbons, including staining and odor, were observed in the vicinity of the sample locations in the western portion of the site. TPHg was detected in three of five dispenser samples, at a maximum concentration of 1,700 ppm. TPHg was detected in three of five piping samples, at a maximum concentration of 2,700 ppm. Benzene was detected at a maximum concentration of 4.2 ppm. Based on the field observations and laboratory results, Cambria, at Shell's request, directed over-excavation. Due to the Oakland Fire Department's concern over encountering shallow groundwater, the vertical extent of over-excavation was limited to 6 fbg. The lateral extent of over-excavation was limited by the proximity of the site's canopy supports and the site kiosk foundation. Cambria collected eight over-excavation bottom and side-wall samples. Staining and odors were observed in all over-excavation sample locations. TPHg was detected in six of eight over-excavation samples, at a maximum concentration of 830 ppm. Benzene and MTBE concentrations were below the laboratory detection limits in all eight over-excavation samples. Details of the sampling are included in Cambria's June 23, 2005 *Dispenser and Piping Upgrade and Limited Over-Excavation Soil Sampling Report.*

2005 Site Conceptual Model (SCM): Cambria submitted an SCM to the ACHCSA on September 23, 2005. Cambria concluded that the current groundwater conditions appear to be low-risk for all identified potential receptors and that current soil conditions in previously impacted and remediated areas are not known. Based on the site's history and current conditions, Cambria recommended additional soil sampling, a semi-annual groundwater monitoring schedule for all site wells, continued coordinated monitoring with 240 W. MacArthur Blvd., and the evaluation of site soil and groundwater conditions versus RWQCB environmental screening levels (ESLs) and City of Oakland risk-based screening levels (RBSLs).

2006 Subsurface Investigation: In April of 2006, Cambria oversaw the installation of four soil borings at the site (SB-4, SB-6, SB-7, and SB-8). Originally proposed soil boring (and monitoring well) location SB-9 was not attempted due to conflicts with underground utilities. Soil boring SB-5 was attempted several times at its proposed location, but because it could not be cleared to the required depth or moved to a location that would comply with Shell's safety protocols, it was not completed to the proposed depth. Soil boring SB-8 was converted into onsite groundwater monitoring well MW-5. Soil and groundwater samples were collected from each boring. TPHg was detected in seven soil samples at concentrations ranging from 0.452 ppm (SB-7-5) to 1,510 ppm (SB-5-3). Benzene was detected in five soil samples at concentrations ranging from 0.00340 ppm (SB-8-10) and 2.90 ppm (SB-5-3). Toluene was detected in three soil samples at concentrations ranging from 0.00204 ppm (SB-8-14) to 9.47 ppm (SB-5-3). Ethylbenzene was detected in six soil samples at concentrations ranging from 0.00325 ppm (SB-7-5) to 9.46 ppm (SB-5-3). Xylenes were detected in four soil samples at concentrations ranging

from 0.0199 ppm (SB-7-5) to 70.6 ppm (SB-5-3). MTBE was detected in six soil samples at concentrations ranging from 0.00221 ppm (SB-7-10) to 0.00970 (SB-6-9.5). Di-isopropyl ether (DIPE) was detected in two soil samples at concentrations of 0.0132 ppm (SB-8-14) and 0.0142 ppm (SB-5-3). No other analytes were detected in soil samples collected during this investigation. TPHg was detected in the groundwater sample from SB-8 at a concentration of 34,000 ppb and benzene was detected in the groundwater sample from SB-8 at a concentration of 404 ppb. Toluene was detected in groundwater samples from SB-4 and SB-8 at concentrations of 50.4 ppb and 22.5 ppb, respectively. Ethylbenzene was detected in the groundwater sample from SB-4 and SB-8 at concentrations of 3.92 ppb and 110 ppb, respectively. Xylenes were detected in groundwater samples from SB-4 and SB-8 at concentrations of 13.3 ppb and 56.8 ppb, respectively. Tertiary-butyl alcohol (TBA) was detected in the groundwater samples from SB-4 and SB-8 at concentrations of 15.1 ppb and 40.2 ppb, respectively. MTBE was detected in the groundwater samples from SB-4 and SB-8 at concentrations of 29.2 ppb and 15.0 ppb, respectively. DIPE was detected in the groundwater sample from SB-8 at a concentration of 26.6 ppb. No other analytes were detected in grab groundwater samples collected during this investigation. Cambria's May 30, 2006 *Subsurface Investigation and Monitoring Well Installation Report* details the investigation.

Groundwater Monitoring Program: Quarterly and semi-annual groundwater monitoring has been performed at the site since July 1988. Depth to water has ranged historically between 11.31 and 16.76 fbg. During the fourth quarter 2007 monitoring and sampling event, the depth to water in the wells ranged from 15.15 to19.24 fbg, The groundwater flow direction, as calculated from depth-to-water measurements in on-site monitoring wells, is typically toward the west to southwest, but has occasionally ranged to the northwest. During the fourth quarter 2007 monitoring and sampling event, monitoring well MW-5 contained 6,900 ppb TPHg, 58 ppb benzene, and <5.0 ppb MTBE. Since the fourth quarter of 2003, coordinated monitoring and sampling has been conducted with the adjacent former gas station (currently Oakland Auto Works) at 240 West MacArthur Boulevard.

Attachment B

Permit

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: 04/08/2008 By jamesy

Permit Numbers: W2008-0181
Permits Valid from 04/18/2008 to 04/18/2008

Application Id: 1207584693523
City of Project Site: Oakland
Site Location: 230 W MacArthur Blvd, Oakland, CA
Project Start Date: 04/18/2008
Completion Date: 04/18/2008
Requested Inspection: 04/18/2008
Scheduled Inspection: 04/18/2008 at 8:30 AM (Contact your inspector, NO INSPECTOR ASSIGNED-EMAIL ACPWA AT wells@acpwa.org WHEN COMPLETED or call at (510) 670-6633, to confirm.)

Applicant: Conestoga-Rovers & Associates - Peter Schaefer
5900 Hollis St. #A, Emeryville, CA 94608
Phone: 510-420-3319

Property Owner: Equilon Enterprise LLC c/o Stewart Tituk Denis Brown (Shell)
1980 Post Oak Bl #110, Houston, TX 77506
Phone: 707-865-0251

Client: ** same as Property Owner **

Total Due: $200.00
Receipt Number: WR2008-0107 **Total Amount Paid:** $200.00
Payer Name : Conestoga - Rovers & Associates Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 4 Boreholes
Driller: RSI - Lic #: 802335 - Method: other
Work Total: $200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0181	04/08/2008	07/17/2008	4	3.00 in.	24.00 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. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits

and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an 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.

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.

8. No Inspector Assigned to this site.
Applicant shall contact this office by email at wells@acpwa.org and certify in writing that work was completed and according to County Standards within 5 working days after the completion of work.

9. After the Fact permit-Work was completed on Jan 31 to Feb 1 2008.

Attachment C

Boring Logs

Boring/Well Log Legend

KEY TO SYMBOLS/ABBREVIATIONS

- First encountered groundwater
- Static groundwater
- Soils logged by hand-auger or air-knife cuttings
- Soils logged by drill cuttings or disturbed sample
- Undisturbed soil sample interval
- Soil sample retained for submittal to analytical laboratory
- No recovery within interval
- Hydropunch or vapor sample screen interval

PID = Photo-ionization detector or organic vapor meter reading in parts per million (ppm)

fbg = Feet below grade

Blow Counts = Number of blows required to drive a California-modified split-spoon sampler using a 140-pound hammer falling freely 30 inches, recorded per 6-inch interval of a total 18-inch sample interval

(10YR 4/4) = Soil color according to Munsell Soil Color Charts

msl = Mean sea level

Soils logged according to the USCS.

UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) SUMMARY

Major Divisions			Graphic	Group Symbol	Typical Description
Coarse-Grained Soils (>50% Sands and/or Gravels)	Gravel and Gravelly Soils	Clean Gravels (≤5% fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravels with Fines (≥15% fines)		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils	Clean Sands (≤5% fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sand, little or no fines
		Sands with Fines (≥15% fines)		SM	Silty sands, sand-silt mixtures
				SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils (>50% Silts and/or Clays)	Silts and Clays			ML	Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays			MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity
				OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				PT	Peat, humus, swamp soils with high organic contents

M:\Templates & Forms\Boring Logs\Boring Log Legend

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-9
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	01-Feb-08
LOCATION	230 W. MacArthur Blvd, Oakland, CA	**DRILLING COMPLETED**	01-Feb-08
PROJECT NUMBER	240902-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVAL**	NA
LOGGED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (First Encountered)**	20.0 ft (01-Feb-08) ▽
REVIEWED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
			CONCRETE		**CONCRETE**	0.8
				CL	**Silty CLAY (CL)**	2.0
					No recovery	4.0
				CL	**Silty CLAY with Gravel (CL)**	5.0
			5		No recovery	7.0
0		SB-9-7.0		ML	**Sandy SILT with Clay (ML)**; reddish yellow (7.5YR 6/6); 5% clay, 65% silt, 35% sand.	8.0
					No recovery	10.0
			10	ML	**Sandy SILT with Gravel & Clay (ML)**; 5% clay, 65% silt, 20% sand, 10% gravel.	
0		SB-9-11.5			No recovery	12.0
						13.5
			15	ML	**Clayey SILT (ML)**; 30% clay, 70% silt.	
0		SB-9-15.5			No recovery	16.0
				ML	**Sandy SILT with Clay (ML)**; yellowish brown (10YR 5/4); 5% clay, 40% silt, 55% sand.	16.5
				SP	**SAND (SP)**; yellowish brown (10YR 5/4).	18.0
				GP	**GRAVEL (GP)**; brownish yellow (10YR 6/8).	18.8
			20	SP	**Gravelly SAND (SP)**; light olive brown (2.5Y 5/3); 80% sand, 20% gravel. ▽	19.5
						23.0
				ML	**Clayey SILT with Sand (ML)**; yellowish brown (10YR 5/6); 40% clay, 60% silt.	24.0
			25			
			30			
			35			

WELL DIAGRAM: Portland Type I/II

Bottom of Boring @ 24 ft

WELL LOG (PID) I:\SONOMA~1.SHE\OA29F3~1\GINT\5230 W MAC.GPJ DEFAULT.GDT 4/25/08

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-10
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	01-Feb-08
LOCATION	230 W. MacArthur Blvd, Oakland, CA	**DRILLING COMPLETED**	01-Feb-08
PROJECT NUMBER	240902-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVAL**	NA
LOGGED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (First Encountered)**	18.5 ft (01-Feb-08) ▽
REVIEWED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CONCRETE		**CONCRETE**	0.8	
					GP		**GRAVEL (GP)**	2.0	
					CL		**Silty clay (CL)**	3.0	
					GP		**GRAVEL (GP)**	4.0	
					CL		**Silty Clay (CL)**	5.0	
				5			No recovery		
								7.0	
0		SB-10-7			ML		**Clayey SILT (ML)**; yellowish brown (10YR 5/6); 30% clay, 70% silt.	8.0	
							No recovery		
				10				10.0	
					ML		**Clayey SILT with Sand (ML)**; dark yellowish brown (10YR 4/6); 30% clay, 60% silt, 10% sand.		◄ Portland Type I/II
0		SB-10-11.5					No recovery	12.0	
								14.5	
				15	ML		**Clayey SILT with Sand (ML)**; mottled gray/brown; 35% clay, 65% silt, 5% sand.		
0		SB-10-15.5					No recovery	16.0	
								17.0	
					ML		**Clayey SILT with Sand (ML)**; mottled gray/brown.		
							▽	18.5	
					SM		**Silty SAND with Gravel (SM)**; gray/greenish gray; 20% silt, 75% sand, 5% gravel.		
				20			No recovery	20.0	
								22.0	
				25					Bottom of Boring @ 22 ft
				30					
				35					

WELL LOG (PID) I:\SONOMA~1.SHE\OA29F3~1\GINT\5230 W MAC.GPJ DEFAULT.GDT 4/25/08

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-11
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	01-Feb-08
LOCATION	230 W. MacArthur Blvd, Oakland, CA	**DRILLING COMPLETED**	01-Feb-08
PROJECT NUMBER	240902-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVAL**	NA
LOGGED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (First Encountered)**	20.0 ft (01-Feb-08) ▽
REVIEWED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknife to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CONCRETE		**CONCRETE**	0.8	
					GP		**GRAVEL (GP)**	1.0	
					CL		**Silty CLAY (CL)**	2.0	
					GP		**GRAVEL (GP)**	3.0	
					CL		**Silty CLAY (CL)**	4.0	
					GP		**GRAVEL with Sand (GP)**	5.0	
				5			No recovery	7.0	
0		SB-11-7.5			SP		**Gravelly SAND (SP)**; brown/reddish brown/greenish gray; 60% sand, 40% gravel.	10.0	
0		SB-11-11.5		10	ML		**Clayey SILT with Sand (ML)**; light yellowish brown (2.5Y 6/4); 25% clay, 65% silt, 10% sand.	13.0	Portland Type I/II
							No recovery	14.0	
					ML		**Clayey SILT with Sand (ML)**; light yellowish brown (2.5Y 6/4); 25% clay, 65% silt, 10% sand; carbon specks.	15.5	
0		SB-15.5		15	SM		**Silty SAND (SM)**; dark yellowish brown (10YR 4/6); 40% silt, 60% sand.	16.0	
					ML		**Clayey SILT with Sand (ML)**; light yellowish brown (2.5Y 6/4)	18.0	
					SP		**SAND (SP)**; dark yellowish brown (10YR 4/6); 100% sand.	19.0	
					CL		**Silty Clay (CL)**; dark yellowish brown (10YR 4/4); 60% clay, 40% silt. ▽	20.0	
				20	SM		**Silty SAND (SM)**; dark yellowish brown (10YR 4/6); 20% silt, 80% sand.	22.5	
					CL		**Silty Clay (CL)**; dark yellowish brown; 60% clay, 40% silt.	24.0	
				25					Bottom of Boring @ 24 ft
				30					
				35					

WELL LOG (PID) I:\SONOMA~1.SHE\OA29F3~1\GINT\0230 W MAC.GPJ DEFAULT.GDT 4/25/08

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Telephone: 707-935-4850
Fax: 707-935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	01-Feb-08
LOCATION	230 W. MacArthur Blvd, Oakland, CA	**DRILLING COMPLETED**	01-Feb-08
PROJECT NUMBER	240902-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVAL**	NA
LOGGED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (First Encountered)**	21.0 ft (01-Feb-08) ▽
REVIEWED BY	P. Schaefer CEG 1940	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknife to 2 fbg, then waterknife to 6.0 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	SOIL DESCRIPTION	CONTACT DEPTH (fbg)
			0	ASPHALT	**ASPHALT**	0.8
				CL	**Silty Clay (CL)**	2.0
					No recovery	
			5			6.0
				CL	**Silty Clay (CL)**; 60% clay, 40% silt.	7.0
0		SB-12-7.5		ML	**Clayey SILT with Sand (ML)**; dark brown (10YR 3/3); 15% clay, 85% silt.	8.5
				GP	**GRAVEL with Sand (GP)**	9.0
			10		**Clayey SILT with Sand (ML)**; dark brown (10YR 3/3); 15% clay, 85% silt.	
0		SB-12-11		ML		13.0
				SP	**SAND with Gravel (SP)** dark brown (10YR 3/3); 80% sand, 20% gravel.	13.5
			15	CL	**Silty Clay (CL)**; greenish gray (10Y 5/1); 55% clay, 45% silt.	16.0
0		SB-12-15.5			No recovery	16.5
				SP	**Silty SAND with Gravel (SP)**; brown (10YR 4/3); 30% silt, 70% sand.	17.5
				ML	**SILT (ML)**; brown (10YR 5/3); 100% silt.	19.0
				GP	**GRAVEL with Sand (GP)**; mottled gray/brown; 40% sand, 60% gravel.	19.5
			20	CL	**Silty Clay (CL)**; 40% clay, 60% silt.	20.5
				GP	**GRAVEL with Sand (GP)**; brown (10YR 5/3); 40% sand, 60% gravel. ▽	21.0
				SP	**SAND with Silt (SP)**; reddish brown (5YR 5/3); 5% silt, 95% sand.	23.0
				ML	**SILT (ML)**; dark brown (10YR 3/3); 100% silt.	24.0
			25			
			30			
			35			

WELL DIAGRAM: Portland Type I/II

Bottom of Boring @ 24 ft

WELL LOG (PID) I:\SONOMA~1.SHE\OA29F3~1\GINT\5230 W MAC.GPJ DEFAULT.GDT 4/25/08

Attachment D

Waste Disposal Documentation

Calscience
Environmental
Laboratories, Inc.

February 12, 2008

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

Subject: **Calscience Work Order No.:** **08-02-0098**
Client Reference: **230 W. MacArthur Bl. Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/2/2008 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: 02/02/08
Work Order No: 08-02-0098
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-3	**08-02-0098-1-A**	**02/01/08**	**Solid**	**ICP 5300**	**02/05/08**	**02/06/08 19:11**	**080205L02**

Comment(s): -Mercury was analyzed on 2/5/2008 12:51:07 PM with batch 080205L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	0.107	0.0835	1	
Arsenic	2.20	0.750	1		Molybdenum	ND	0.250	1	
Barium	109	0.500	1		Nickel	41.2	0.250	1	
Beryllium	0.365	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	23.1	0.250	1		Thallium	ND	0.750	1	
Cobalt	5.62	0.250	1		Vanadium	16.6	0.250	1	
Copper	13.3	0.500	1		Zinc	35.9	1.00	1	
Lead	4.87	0.500	1						

Method Blank	099-04-007-5,290	N/A	Solid	Mercury	02/05/08	02/05/08 12:44	080205L02

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-10,417	N/A	Solid	ICP 5300	02/05/08	02/06/08 11:51	080205L02

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:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0098
Sonoma, CA 95476-6955	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-3	**08-02-0098-1-A**	**02/01/08**	**Solid**	**GC 23**	**02/04/08**	**02/11/08 23:46**	**080204B07**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	61-145	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-121**	**N/A**	**Solid**	**GC 23**	**02/04/08**	**02/11/08 22:59**	**080204B07**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0098
Sonoma, CA 95476-6955	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-3	**08-02-0098-1-A**	**02/01/08**	**Solid**	**GC 23**	**02/04/08**	**02/05/08 3:26**	**080204B10**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	105	61-145			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-254-367**	**N/A**	**Solid**	**GC 23**	**02/04/08**	**02/05/08 4:04**	**080204B10**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	104	61-145			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0098
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-3	**08-02-0098-1-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/02/08 23:51**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-1,479**	**N/A**	**Solid**	**GC 24**	**02/02/08**	**02/02/08 21:38**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	81	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0098
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	mg/kg
Project: 230 W. MacArthur Bl. Oakland, CA		Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-3	**08-02-0098-1-A**	**02/01/08**	**Solid**	**GC/MS S**	**02/05/08**	**02/06/08 5:20**	**080205L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	73-139			1,2-Dichloroethane-d4	110	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	99	71-113		

Method Blank	099-10-005-15,405	N/A	Solid	GC/MS S	02/05/08	02/06/08 2:18	080205L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	73-139			1,2-Dichloroethane-d4	104	73-145		
Toluene-d8	96	90-108			1,4-Bromofluorobenzene	98	71-113		

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: 02/02/08
Work Order No: 08-02-0098
Preparation: EPA 3050B
Method: EPA 6010B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-3	**Solid**	**ICP 5300**	**02/05/08**	**02/06/08**	**080205S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	48	50	50-115	5	0-20	3
Arsenic	90	89	75-125	1	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	99	97	75-125	1	0-20	
Cadmium	94	95	75-125	1	0-20	
Chromium	91	82	75-125	5	0-20	
Cobalt	90	92	75-125	2	0-20	
Copper	93	87	75-125	4	0-20	
Lead	94	92	75-125	2	0-20	
Molybdenum	93	92	75-125	1	0-20	
Nickel	80	80	75-125	0	0-20	
Selenium	87	87	75-125	0	0-20	
Silver	96	95	75-125	1	0-20	
Thallium	94	93	75-125	1	0-20	
Vanadium	87	82	75-125	4	0-20	
Zinc	93	77	75-125	7	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	02/02/08
19449 Riverside Drive, Suite 230		Work Order No:	08-02-0098
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-3	**Solid**	**GC 23**	**02/04/08**	**02/11/08**	**080204S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	70	78	64-130	11	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	02/02/08
19449 Riverside Drive, Suite 230		Work Order No:	08-02-0098
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-0124-18	**Solid**	**GC 23**	**02/04/08**	**02/05/08**	**080204S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	92	86	64-130	7	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 02/02/08
19449 Riverside Drive, Suite 230	Work Order No: 08-02-0098
Sonoma, CA 95476-6955	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-3	**Solid**	**GC 24**	**02/02/08**	**02/03/08**	**080201S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	85	85	48-114	1	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 02/02/08
19449 Riverside Drive, Suite 230	Work Order No: 08-02-0098
Sonoma, CA 95476-6955	Preparation: EPA 7471A Total
	Method: EPA 7471A

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-3	**Solid**	**Mercury**	**02/05/08**	**02/05/08**	**080205S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	88	88	84-138	0	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: 02/02/08
Work Order No: 08-02-0098
Preparation: EPA 5030B
Method: EPA 8260B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-01-1973-1	**Solid**	**GC/MS S**	**02/05/08**	**02/06/08**	**080205S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	90	79-115	0	0-13	
Carbon Tetrachloride	98	99	55-139	1	0-15	
Chlorobenzene	96	98	79-115	3	0-17	
1,2-Dibromoethane	101	103	70-130	2	0-30	
1,2-Dichlorobenzene	99	101	63-123	2	0-23	
1,1-Dichloroethene	96	98	69-123	2	0-16	
Ethylbenzene	100	103	70-130	3	0-30	
Toluene	91	93	79-115	2	0-15	
Trichloroethene	108	115	66-144	6	0-14	
Vinyl Chloride	82	81	60-126	0	0-14	
Methyl-t-Butyl Ether (MTBE)	90	88	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	82	80	44-134	2	0-37	
Diisopropyl Ether (DIPE)	86	84	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	91	91	75-117	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	96	79-115	1	0-12	
Ethanol	88	80	42-138	9	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	08-02-0098
Sonoma, CA 95476-6955		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-10,417	Solid	ICP 5300	02/06/08	080205-I-02	080205L02

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	25.0	24.8	99	80-120	
Arsenic	25.0	25.7	103	80-120	
Barium	25.0	26.5	106	80-120	
Beryllium	25.0	25.7	103	80-120	
Cadmium	25.0	27.1	109	80-120	
Chromium	25.0	27.0	108	80-120	
Cobalt	25.0	27.5	110	80-120	
Copper	25.0	25.3	101	80-120	
Lead	25.0	27.0	108	80-120	
Molybdenum	25.0	26.8	107	80-120	
Nickel	25.0	28.0	112	80-120	
Selenium	25.0	24.6	98	80-120	
Silver	12.5	12.4	99	80-120	
Thallium	25.0	26.0	104	80-120	
Vanadium	25.0	26.1	105	80-120	
Zinc	25.0	27.0	108	80-120	

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:	08-02-0098
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-121	**Solid**	**GC 23**	**02/04/08**	**02/11/08**	**080204B07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	82	94	75-123	14	0-12	X

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: 08-02-0098
Sonoma, CA 95476-6955	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-367	**Solid**	**GC 23**	**02/04/08**	**02/05/08**	**080204B10**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	119	118	75-123	1	0-12	

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:	08-02-0098
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-1,479	**Solid**	**GC 24**	**02/02/08**	**02/02/08**	**080201B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	108	70-124	0	0-18	

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: 08-02-0098
Sonoma, CA 95476-6955	Preparation: EPA 7471A Total
	Method: EPA 7471A

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,290	**Solid**	**Mercury**	**02/05/08**	**02/05/08**	**080205L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	95	97	87-117	2	0-3	

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:	08-02-0098
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,405	Solid	GC/MS S	02/05/08	02/05/08	080205L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	97	84-114	0	0-7	
Carbon Tetrachloride	104	105	66-132	1	0-12	
Chlorobenzene	107	104	87-111	2	0-7	
1,2-Dibromoethane	109	110	80-120	1	0-20	
1,2-Dichlorobenzene	111	106	79-115	4	0-8	
1,1-Dichloroethene	102	105	73-121	3	0-12	
Ethylbenzene	113	112	80-120	1	0-20	
Toluene	97	98	78-114	1	0-7	
Trichloroethene	105	103	84-114	2	0-8	
Vinyl Chloride	89	91	63-129	3	0-15	
Methyl-t-Butyl Ether (MTBE)	86	88	77-125	2	0-11	
Tert-Butyl Alcohol (TBA)	91	94	47-137	3	0-27	
Diisopropyl Ether (DIPE)	85	87	76-130	3	0-8	
Ethyl-t-Butyl Ether (ETBE)	85	88	76-124	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	95	82-118	0	0-11	
Ethanol	90	90	59-131	0	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-02-0098

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.

LAB: TA

☐ TA - Irvine, California
☐ TA - Morgan Hill, California
☐ TA - Sacramenta, California
☐ TA - Nashville, Tennesee
☑ Calscience
☐ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: David Kremer

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 7 4 1

PO#

SAP or CRMT #

DATE: 2/1/08

PAGE: 1 of 3

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates (CRA)	CRAW

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
230 W. MacArthur Bl. Oakland	CA	T0600101240

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

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Ballard, Fellicia, CRA, Sonoma	707 933 2360	sonomaedf@craworld.com	240902-007

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

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

SAMPLER NAME(S) (Print): Peter Schaefer

LAB USE ONLY: 08-02-0098

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

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

~~Waste Oil, Tank, Pail~~ 2 TPHd = Diesel-range only C-10 to C-28 with SGC

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH g- Purgeable (8260B) 5 of 5	TPHd - Extractable (8015M)	BTEX (8260B)	VOCs (8260B)	SVOCs for PCPs, PNAs (8270)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	TPHmo (8015 m)	Chlorinated hydorcarbons (8260)	Ethanol (8260B)	Cam 17 Metals	PCBs (8270)	TPHmo (8015M)	TEMPERATURE ON RECEIPT C°
1	D-3	2/1/08	1315	soil	1	X	X	X							X		X	~~Please call~~
																		~~Composite Sample~~
																		~~D-A~~

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] CEL	2-1-08	1435
Relinquished by: (Signature) [signature] to GSO	Received by: (Signature) [signature] CEL	Date: 2-2-08	Time: 10:34
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 02 - 0098

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA **DATE:** 02-02-08

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.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
3.0 °C IR thermometer.
_____ Ambient temperature.

Initial: MH

CUSTODY SEAL INTACT:

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

Initial: MH

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: MH

COMMENTS:

NON-HAZARDOUS RESIDUAL COMPLETED PACKAGE CHECKLIST

RIPR # 66894

Consultant Company Name: Conestoga-Rovers & Associates

Consultant Contact Name: Kari Dupler

Consultant Phone Number: 510-420-3308

Date Package Completed: March 31, 2008

Date Package Sent to RDC: March 31, 2008

No. Of Loads/Containers Shipped: 1 drum

1. Final Original Copy of Manifest (If one or all originals are not available please obtain a copy from the TSDF and submit in place of the original manifest with a written explanation of why the original is not included in the package

2. Analytical Package (When Applicable)

   A. Analytical Results
   B. Signed Coversheet from Lab
   C. Chain of Custody with all signatures

3. Profile that was completed for acceptance into the TSDF. (If Applicable)
   A. Include proof of profile approval. (Letter, Approval # , ect...)

Package completed by Kari Dupler.
(Signature)

Printed Name Kari Dupler

30030808

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NOT REQUIRED	1	888-423-6060	009562

GENERATOR

5. Generator's Name and Mailing Address
Shell Oil Products US
12700 Northborough Drive, Houston, TX 77067
Generator's Phone:

Generator's Site Address (if different than mailing address)
230 W. MacArthur
Oakland, CA 94611

6. Transporter 1 Company Name: **American Integrated Services, Inc.** — U.S. EPA ID Number: **CAR000148338**

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Crosby & Overton, Inc.
1630 W. 16th Street
Long Beach, CA. 90813 562-432-5445
Facility's Phone:
U.S. EPA ID Number: **CAD028409019**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. **Non-Hazardous Waste Liquid (Water Knife Sludge)**	1	TT ~~DM~~	55	G
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information
Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (888) 423-6060 (AIS Dispatcher).

RIPR 66894
SAP# 135676
Incident# 98995741
Profile #: 27578
Project #: 28001-29

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: **AIS on behalf of SOPUS - J Sherman** — Signature — Month 2 Day 25 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Beau Byrso — Signature — Month 2 Day 25 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

DESIGNATED FACILITY

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

H-135

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tamal Chakraborty — Signature: Tamal Chakraborty — Month 03 Day 08 Year 08

NON-HAZARDOUS RESIDUAL COMPLETED PACKAGE CHECKLIST

RIPR # 66896

Consultant Company Name: Conestoga-Rovers & Associates

Consultant Contact Name: Kari Dupler

Consultant Phone Number: 510-420-3308

Date Package Completed: April 17, 2008

Date Package Sent to RDC: April 17, 2008

No. Of Loads/Containers Shipped: 1 Drum

1. Final Original Copy of Manifest (If one or all originals are not available please obtain a copy from the TSDF and submit in place of the original manifest with a written explanation of why the original is not included in the package

2. Analytical Package (When Applicable)

    A. Analytical Results
    B. Signed Coversheet from Lab
    C. Chain of Custody with all signatures

3. Profile that was completed for acceptance into the TSDF. (If Applicable)
    A. Include proof of profile approval. (Letter, Approval #, ect…)

Package completed by Kari Dupler.
(Signature)

Printed Name Kari Dupler

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 786850

Customer Name Shell230WMacarthur66896 Shell
Ticket Date 03/12/2008
Payment Type Credit Account
Manual Ticket#
Billing # 0387664

Carrier GEN Altamont Generic
Vehicle# UP82819
Container
License#

Manifest 0000-1
PO 66896
Profile 55491200 (~*Class II *Drum* Disposal/Shell Oil Products, US~Shell Oil, (230
Generator 164-Shell0il230 Shell Oil Products, US (230 W. Macarthur~Oakland)RIPR#: 6689

	Time	Scale	Deputy Weighmaster	Inbound	Gross
In	03/12/2008 12:59:48	Scale1 In	R Montoya		Tare
Out	03/12/2008 12:59:48		R Montoya		Net
					Tons

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	C2 Disp SPW-Each-W 100		1	Each				Oakland
2	Trans - Drums-Tran 100		1	Each				Oakland

Total Tax
Total Ticket

DRIVER:

Weighmaster Certificate

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

404WMCA

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NA
Manifest Doc. No.: 0000.1
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address: EQuilon Enterprises, LLC, dba Shell Oil Products
CRA! ATTN! Kani Dupler
5900 Hollis ST., Suite A
Emeryville, CA 94608

4. Generator's Phone: 510-420-3308

5. Transporter 1 Company Name: Philip West Industrial Services
US EPA ID Number: CAR000177527
A. Transporter's Phone: 1800 321 1030

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address:
ALTAMONT LANDFILL
10840 ALTAMONT PASS RD.
LIVERMORE, CA 94550
10. US EPA ID Number: CAD981382732
C. Facility's Phone: (925) 449-6349

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Soil with Gasoline (Non Hazardous, Non Regulated	001	DM	200#	
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Drum ID: D-3

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
PROFILE # 55491200
CUSTOMER NAME Shell
RIPR! 66896
Site Location:
230 W. MacArthur
Oakland, CA

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: PSC on behalf of Shell
David Patrick Oil Products US
Signature: David Patrick
Month Day Year: 02 26 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David Patrick
Signature: David Patrick
Month Day Year: 02 26 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of waste materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Rudy Montoya
Signature: Rudy M
Month Day Year: 3 12 8

ORIGINAL - RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Attachment E

Certified Analytical Reports

Calscience Environmental Laboratories, Inc.

February 11, 2008

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

Subject: **Calscience Work Order No.: 08-02-0097**
Client Reference: 230 W. MacArthur Bl. Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/2/2008 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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12-7.5	**08-02-0097-5-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 1:31**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12-11	**08-02-0097-6-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 2:04**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12-15.5	**08-02-0097-7-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 2:37**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9-7	**08-02-0097-8-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 3:11**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9-11.5	**08-02-0097-9-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 3:44**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9-15.5	**08-02-0097-10-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 4:17**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10-7	**08-02-0097-11-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 4:51**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10-11.5	**08-02-0097-12-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 5:24**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	81	42-126	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10-15.5	**08-02-0097-13-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 5:57**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	83	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11-7.5	**08-02-0097-14-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 7:04**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11-11.5	**08-02-0097-15-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 7:37**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	83	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11-15.5	**08-02-0097-16-A**	**02/01/08**	**Solid**	**GC 24**	**02/02/08**	**02/03/08 8:10**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

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:	02/02/08
Work Order No:	08-02-0097
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-1,479**	**N/A**	**Solid**	**GC 24**	**02/02/08**	**02/02/08 21:38**	**080201B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	81	42-126	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9	**08-02-0097-1-D**	**02/01/08**	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08 3:06**	**080204B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1700	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10	**08-02-0097-2-D**	**02/01/08**	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08 3:40**	**080204B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11	**08-02-0097-3-D**	**02/01/08**	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08 4:13**	**080204B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	76	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12	**08-02-0097-4-E**	**02/01/08**	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08 17:39**	**080204B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	4900	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

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:	02/02/08
Work Order No:	08-02-0097
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-1,433**	**N/A**	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08 1:23**	**080204B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	38-134	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12-7.5	**08-02-0097-5-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 1:52**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	73-139			1,2-Dichloroethane-d4	107	73-145		
Toluene-d8	96	90-108			1,4-Bromofluorobenzene	97	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12-11	**08-02-0097-6-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/07/08**	**02/07/08 16:30**	**080207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	73-139			1,2-Dichloroethane-d4	107	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	101	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12-15.5	**08-02-0097-7-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/07/08**	**02/07/08 22:30**	**080207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	0.0053	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	73-139			1,2-Dichloroethane-d4	108	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	100	71-113		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0097
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	mg/kg

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9-7	**08-02-0097-8-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 2:22**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	73-139			1,2-Dichloroethane-d4	112	73-145		
Toluene-d8	97	90-108			1,4-Bromofluorobenzene	99	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9-11.5	**08-02-0097-9-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 2:52**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	73-139			1,2-Dichloroethane-d4	113	73-145		
Toluene-d8	97	90-108			1,4-Bromofluorobenzene	97	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9-15.5	**08-02-0097-10-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 3:22**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	73-139			1,2-Dichloroethane-d4	108	73-145		
Toluene-d8	97	90-108			1,4-Bromofluorobenzene	98	71-113		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	02/02/08
19449 Riverside Drive, Suite 230		Work Order No:	08-02-0097
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	mg/kg

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10-7	**08-02-0097-11-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/07/08**	**02/08/08 0:30**	**080207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	73-139			1,2-Dichloroethane-d4	109	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	100	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10-11.5	**08-02-0097-12-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 3:51**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	73-139			1,2-Dichloroethane-d4	106	73-145		
Toluene-d8	97	90-108			1,4-Bromofluorobenzene	95	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10-15.5	**08-02-0097-13-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 4:21**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	73-139			1,2-Dichloroethane-d4	105	73-145		
Toluene-d8	96	90-108			1,4-Bromofluorobenzene	98	71-113		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0097
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	mg/kg

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11-7.5	**08-02-0097-14-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 5:51**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	73-139			1,2-Dichloroethane-d4	105	73-145		
Toluene-d8	97	90-108			1,4-Bromofluorobenzene	98	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11-11.5	**08-02-0097-15-A**	**02/01/08**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 6:21**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	73-139			1,2-Dichloroethane-d4	102	73-145		
Toluene-d8	97	90-108			1,4-Bromofluorobenzene	98	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11-15.5	**08-02-0097-16-A**	**02/01/08**	**Solid**	**GC/MS JJ**	**02/09/08**	**02/09/08 21:20**	**080209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	125	73-139			1,2-Dichloroethane-d4	125	73-145		
Toluene-d8	107	90-108			1,4-Bromofluorobenzene	92	71-113		

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-005-15,411**	**N/A**	**Solid**	**GC/MS W**	**02/07/08**	**02/07/08 15:30**	**080207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	73-139			1,2-Dichloroethane-d4	107	73-145		
Toluene-d8	101	90-108			1,4-Bromofluorobenzene	101	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-005-15,414**	**N/A**	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08 0:52**	**080208L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	73-139			1,2-Dichloroethane-d4	104	73-145		
Toluene-d8	96	90-108			1,4-Bromofluorobenzene	95	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-005-15,416**	**N/A**	**Solid**	**GC/MS JJ**	**02/09/08**	**02/09/08 16:48**	**080209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Toluene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	130	73-139			1,2-Dichloroethane-d4	134	73-145		
Toluene-d8	106	90-108			1,4-Bromofluorobenzene	86	71-113		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	02/02/08
19449 Riverside Drive, Suite 230	Work Order No:	08-02-0097
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-9	**08-02-0097-1-A**	**02/01/08**	**Aqueous**	**GC/MS CC**	**02/06/08**	**02/06/08 15:39**	**080206L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	120	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	114	88-112		2	1,4-Bromofluorobenzene	95	74-110		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-10	**08-02-0097-2-A**	**02/01/08**	**Aqueous**	**GC/MS CC**	**02/06/08**	**02/06/08 16:08**	**080206L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	94	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	74-140			1,2-Dichloroethane-d4	129	74-146		
Toluene-d8	101	88-112			1,4-Bromofluorobenzene	92	74-110		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-11	**08-02-0097-3-A**	**02/01/08**	**Aqueous**	**GC/MS CC**	**02/06/08**	**02/06/08 13:44**	**080206L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	2.6	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	14	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	74-140			1,2-Dichloroethane-d4	123	74-146		
Toluene-d8	101	88-112			1,4-Bromofluorobenzene	90	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	02/02/08
19449 Riverside Drive, Suite 230		Work Order No:	08-02-0097
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: 230 W. MacArthur Bl. Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-12	**08-02-0097-4-C**	**02/01/08**	**Aqueous**	**GC/MS CC**	**02/07/08**	**02/07/08 20:59**	**080207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	120	0.50	1		Methyl-t-Butyl Ether (MTBE)	33	1.0	1	
Ethylbenzene	170	1.0	1		Tert-Butyl Alcohol (TBA)	100	10	1	
Toluene	11	1.0	1		Diisopropyl Ether (DIPE)	11	2.0	1	
p/m-Xylene	36	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	6.2	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	74-140			1,2-Dichloroethane-d4	104	74-146		
Toluene-d8	112	88-112			1,4-Bromofluorobenzene	97	74-110		

Method Blank	**099-10-006-24,353**	**N/A**	**Aqueous**	**GC/MS CC**	**02/06/08**	**02/06/08 13:16**	**080206L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	114	74-140			1,2-Dichloroethane-d4	120	74-146		
Toluene-d8	102	88-112			1,4-Bromofluorobenzene	89	74-110		

Method Blank	**099-10-006-24,362**	**N/A**	**Aqueous**	**GC/MS CC**	**02/07/08**	**02/07/08 13:49**	**080207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
o-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	115	74-140			1,2-Dichloroethane-d4	125	74-146		
Toluene-d8	101	88-112			1,4-Bromofluorobenzene	89	74-110		

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-0098-1	**Solid**	**GC 24**	**02/02/08**	**02/03/08**	**080201S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	85	85	48-114	1	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	02/02/08
19449 Riverside Drive, Suite 230		Work Order No:	08-02-0097
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-10	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08**	**080204S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	107	107	68-122	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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-12-11	**Solid**	**GC/MS W**	**02/07/08**	**02/07/08**	**080207S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	79-115	0	0-13	
Carbon Tetrachloride	98	104	55-139	6	0-15	
Chlorobenzene	92	93	79-115	1	0-17	
1,2-Dibromoethane	97	100	70-130	3	0-30	
1,2-Dichlorobenzene	93	93	63-123	0	0-23	
1,1-Dichloroethene	100	101	69-123	1	0-16	
Ethylbenzene	93	94	70-130	1	0-30	
Toluene	95	97	79-115	2	0-15	
Trichloroethene	96	98	66-144	2	0-14	
Vinyl Chloride	96	91	60-126	6	0-14	
Methyl-t-Butyl Ether (MTBE)	97	101	68-128	4	0-14	
Tert-Butyl Alcohol (TBA)	75	86	44-134	13	0-37	
Diisopropyl Ether (DIPE)	105	109	75-123	3	0-12	
Ethyl-t-Butyl Ether (ETBE)	99	103	75-117	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	100	79-115	4	0-12	
Ethanol	78	85	42-138	9	0-28	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-10-15.5	**Solid**	**GC/MS W**	**02/08/08**	**02/09/08**	**080208S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	86	87	79-115	1	0-13	
Carbon Tetrachloride	92	97	55-139	6	0-15	
Chlorobenzene	92	94	79-115	1	0-17	
1,2-Dibromoethane	102	102	70-130	0	0-30	
1,2-Dichlorobenzene	94	91	63-123	3	0-23	
1,1-Dichloroethene	81	84	69-123	4	0-16	
Ethylbenzene	90	92	70-130	2	0-30	
Toluene	87	88	79-115	1	0-15	
Trichloroethene	88	90	66-144	2	0-14	
Vinyl Chloride	79	76	60-126	3	0-14	
Methyl-t-Butyl Ether (MTBE)	90	88	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	72	72	44-134	1	0-37	
Diisopropyl Ether (DIPE)	89	90	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	90	90	75-117	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	92	79-115	2	0-12	
Ethanol	78	73	42-138	6	0-28	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-0525-9	**Solid**	**GC/MS JJ**	**02/09/08**	**02/09/08**	**080209S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	81	84	79-115	3	0-13	
Carbon Tetrachloride	75	77	55-139	3	0-15	
Chlorobenzene	86	88	79-115	2	0-17	
1,2-Dibromoethane	94	94	70-130	0	0-30	
1,2-Dichlorobenzene	89	91	63-123	1	0-23	
1,1-Dichloroethene	79	80	69-123	1	0-16	
Ethylbenzene	88	92	70-130	4	0-30	
Toluene	83	85	79-115	3	0-15	
Trichloroethene	84	86	66-144	2	0-14	
Vinyl Chloride	69	70	60-126	2	0-14	
Methyl-t-Butyl Ether (MTBE)	93	94	68-128	1	0-14	
Tert-Butyl Alcohol (TBA)	81	80	44-134	2	0-37	
Diisopropyl Ether (DIPE)	91	94	75-123	4	0-12	
Ethyl-t-Butyl Ether (ETBE)	98	101	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	102	79-115	1	0-12	
Ethanol	97	97	42-138	0	0-28	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-11	**Aqueous**	**GC/MS CC**	**02/06/08**	**02/06/08**	**080206S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	108	88-118	1	0-7	
Carbon Tetrachloride	111	108	67-145	2	0-11	
Chlorobenzene	111	110	88-118	1	0-7	
1,2-Dibromoethane	113	112	70-130	1	0-30	
1,2-Dichlorobenzene	108	112	86-116	4	0-8	
1,1-Dichloroethene	101	102	70-130	1	0-25	
Ethylbenzene	116	114	70-130	2	0-30	
Toluene	117	115	87-123	1	0-8	
Trichloroethene	108	109	79-127	0	0-10	
Vinyl Chloride	96	96	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	110	113	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	108	114	36-168	6	0-45	
Diisopropyl Ether (DIPE)	103	103	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	108	111	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	112	72-126	4	0-12	
Ethanol	103	106	53-149	3	0-31	

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: 02/02/08
Work Order No: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-0018-2	**Aqueous**	**GC/MS CC**	**02/07/08**	**02/07/08**	**080207S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	110	88-118	11	0-7	4
Carbon Tetrachloride	102	112	67-145	9	0-11	
Chlorobenzene	102	112	88-118	9	0-7	4
1,2-Dibromoethane	104	115	70-130	11	0-30	
1,2-Dichlorobenzene	101	113	86-116	11	0-8	4
1,1-Dichloroethene	87	100	70-130	15	0-25	
Ethylbenzene	104	115	70-130	10	0-30	
Toluene	105	118	87-123	12	0-8	4
Trichloroethene	103	111	79-127	8	0-10	
Vinyl Chloride	88	87	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	98	114	71-131	15	0-13	4
Tert-Butyl Alcohol (TBA)	106	125	36-168	17	0-45	
Diisopropyl Ether (DIPE)	90	104	81-123	14	0-9	4
Ethyl-t-Butyl Ether (ETBE)	94	110	72-126	15	0-12	4
Tert-Amyl-Methyl Ether (TAME)	97	111	72-126	13	0-12	4
Ethanol	100	113	53-149	10	0-31	

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:	08-02-0097
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-1,479	**Solid**	**GC 24**	**02/02/08**	**02/02/08**	**080201B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	108	70-124	0	0-18	

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:	08-02-0097
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,433	**Aqueous**	**GC 29**	**02/04/08**	**02/05/08**	**080204B05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	109	103	78-120	6	0-10	

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: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,411	**Solid**	**GC/MS W**	**02/07/08**	**02/07/08**	**080207L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	84-114	0	0-7	
Carbon Tetrachloride	106	106	66-132	0	0-12	
Chlorobenzene	98	98	87-111	0	0-7	
1,2-Dibromoethane	104	103	80-120	1	0-20	
1,2-Dichlorobenzene	98	96	79-115	1	0-8	
1,1-Dichloroethene	105	104	73-121	1	0-12	
Ethylbenzene	99	98	80-120	0	0-20	
Toluene	101	100	78-114	1	0-7	
Trichloroethene	101	100	84-114	1	0-8	
Vinyl Chloride	92	91	63-129	1	0-15	
Methyl-t-Butyl Ether (MTBE)	109	110	77-125	1	0-11	
Tert-Butyl Alcohol (TBA)	84	88	47-137	4	0-27	
Diisopropyl Ether (DIPE)	116	116	76-130	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	112	112	76-124	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	107	82-118	0	0-11	
Ethanol	88	97	59-131	10	0-21	

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: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,414	**Solid**	**GC/MS W**	**02/08/08**	**02/08/08**	**080208L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	94	84-114	8	0-7	X
Carbon Tetrachloride	92	101	66-132	9	0-12	
Chlorobenzene	93	98	87-111	5	0-7	
1,2-Dibromoethane	104	106	80-120	1	0-20	
1,2-Dichlorobenzene	94	99	79-115	5	0-8	
1,1-Dichloroethene	83	91	73-121	10	0-12	
Ethylbenzene	90	97	80-120	7	0-20	
Toluene	88	95	78-114	8	0-7	X
Trichloroethene	88	94	84-114	6	0-8	
Vinyl Chloride	75	86	63-129	14	0-15	
Methyl-t-Butyl Ether (MTBE)	93	97	77-125	4	0-11	
Tert-Butyl Alcohol (TBA)	81	83	47-137	3	0-27	
Diisopropyl Ether (DIPE)	95	100	76-130	5	0-8	
Ethyl-t-Butyl Ether (ETBE)	96	100	76-124	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	101	82-118	2	0-11	
Ethanol	92	87	59-131	5	0-21	

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: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,416	**Solid**	**GC/MS JJ**	**02/09/08**	**02/09/08**	**080209L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	94	84-114	3	0-7	
Carbon Tetrachloride	93	91	66-132	2	0-12	
Chlorobenzene	102	101	87-111	1	0-7	
1,2-Dibromoethane	101	100	80-120	1	0-20	
1,2-Dichlorobenzene	105	103	79-115	2	0-8	
1,1-Dichloroethene	97	95	73-121	2	0-12	
Ethylbenzene	109	108	80-120	1	0-20	
Toluene	99	96	78-114	3	0-7	
Trichloroethene	101	97	84-114	4	0-8	
Vinyl Chloride	87	86	63-129	1	0-15	
Methyl-t-Butyl Ether (MTBE)	94	91	77-125	3	0-11	
Tert-Butyl Alcohol (TBA)	95	90	47-137	6	0-27	
Diisopropyl Ether (DIPE)	98	96	76-130	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	104	102	76-124	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	99	82-118	3	0-11	
Ethanol	100	97	59-131	3	0-21	

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: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-24,353	**Aqueous**	**GC/MS CC**	**02/06/08**	**02/06/08**	**080206L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	108	84-120	1	0-8	
Carbon Tetrachloride	109	109	63-147	0	0-10	
Chlorobenzene	107	108	89-119	1	0-7	
1,2-Dibromoethane	108	111	80-120	3	0-20	
1,2-Dichlorobenzene	111	112	89-119	0	0-9	
1,1-Dichloroethene	103	103	77-125	0	0-16	
Ethylbenzene	114	115	80-120	1	0-20	
Toluene	114	114	83-125	0	0-9	
Trichloroethene	108	108	89-119	0	0-8	
Vinyl Chloride	97	98	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	109	110	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	108	112	46-154	3	0-32	
Diisopropyl Ether (DIPE)	103	104	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	110	110	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	109	76-124	1	0-10	
Ethanol	104	102	60-138	2	0-32	

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: 08-02-0097
Preparation: EPA 5030B
Method: EPA 8260B

Project: 230 W. MacArthur Bl. Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-24,362	**Aqueous**	**GC/MS CC**	**02/07/08**	**02/07/08**	**080207L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	88	84-120	4	0-8	
Carbon Tetrachloride	92	89	63-147	4	0-10	
Chlorobenzene	93	90	89-119	3	0-7	
1,2-Dibromoethane	96	92	80-120	4	0-20	
1,2-Dichlorobenzene	93	91	89-119	3	0-9	
1,1-Dichloroethene	85	83	77-125	3	0-16	
Ethylbenzene	98	94	80-120	4	0-20	
Toluene	96	95	83-125	1	0-9	
Trichloroethene	91	90	89-119	1	0-8	
Vinyl Chloride	82	89	63-135	8	0-13	
Methyl-t-Butyl Ether (MTBE)	94	89	82-118	6	0-13	
Tert-Butyl Alcohol (TBA)	109	90	46-154	19	0-32	
Diisopropyl Ether (DIPE)	83	84	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	90	87	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	88	76-124	2	0-10	
Ethanol	90	82	60-138	10	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-02-0097

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 Chain Of Custody Record

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennesee
- ☑ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: David Kremer

- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 98995741

PO #:

SAP or CRMT #:

DATE: 2/1/08

PAGE: 1 of 3

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates (CRA)	CRAW

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
230 W. MacArthur Bl. Oakland	CA	T0600101240

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

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Ballard, Fellicia, CRA, Sonoma	707 933 2360	sonomaedf@craworld.com	240902-007

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

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

SAMPLER NAME(S) (Print): Peter Schaefer

LAB USE ONLY: 08-02-0097

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):
☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

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

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH g - Purgeable (8260B) 8015	TPHd - Extractable (8015M)	BTEX (8260B)	VOCs (8260B)	SVOCs for PCPs, PNAs (8270)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	TPHmo (8015 m)	Chlorinated hydorcarbons (8260)	Ethanol (8260B)	Cam 5 Metals Cd, Cr, Pb, Zn, Ni	PCBs (8270)	TEMPERATURE ON RECEIPT C°
1	SB-9	2/1/08	0805	water	5	X		X			X						5 x 40 ml VOA w/ HCl
2	SB-10	2/1/08	1015	water	5	X		X			X						5 x 40 ml VOA w/ HCl
3	SB-11	2/1/08	1115	water	5	X		X			X						5 x 40 ml VOA w/ HCl
4	SB-12	2/1/08	1220	water	5	X		X			X						5 x 40 ml VOA w/ HCl

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	2-1-08	1435
1068	CEL	2-2-08	10:34

05/02/06 Revision

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- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 98995741

PO #:

SAP or CRMT #:

DATE: 2/1/08

PAGE: 2 of 3

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
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19449 Riverside Drive, Suite 230, Sonoma, CA 95476	Ballard, Fellicia, CRA, Sonoma	707 933 2360	sonomaedf@craworld.com	240902-007

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Dennis Baertschi	707 268-3813	707 268-8180	dbaertschi@craworld.com

SAMPLER NAME(S) (Print): Peter Schaefer

LAB USE ONLY: 08-02-0097

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5	SB-12-7.5	2/1/08	725	soil	1	X		X			X						
6	SB-12-11	2/1/08	735	soil	1	X		X			X						
7	SB-12-15.5	2/1/08	745	soil	1	X		X			X						

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Peter Schaefer	CEL	2-1-08	1435
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Michael West	2-2-08	1034
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/02/06 Revision

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☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 7 4 1

PO #:

SAP or CRMT #:

DATE: 2/1/08

PAGE: 3 of 3

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Dennis Baertschi	707 268-3813	707 268-8180	dbaertschi@craworld.com	Peter Schaefer	08-02-0097

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8	SB-9- 7	2/1/08	0935	soil	1	X		X			X						
9	SB-9- 11.5	2/1/08	0945	soil	1	X		X			X						
10	SB-9- 15.5	2/1/08	0955	soil	1	X		X			X						
11	SB-10- 7	2/1/08	1035	soil	1	X		X			X						
12	SB-10- 11.5	2/1/08	1045	soil	1	X		X			X						
13	SB-10- 15.5	2/1/08	1055	soil	1	X		X			X						
14	SB-11- 7.5	2/1/08	1145	soil	1	X		X			X						
15	SB-11- 11.5	2/1/08	1155	soil	1	X		X			X						
16	SB-11- 15.5	2/1/08	1205	soil	1	X		X			X						

Relinquished by: (Signature) Peter Schaefer	Received by: (Signature) CEL	Date: 2-1-08	Time: 1435
Relinquished by: (Signature) CSD	Received by: (Signature) Michael Yakat CEL	Date: 2-2-08	Time: 10:34
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 02 - 0097

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA **DATE:** 02-02-08

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.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
3.0 °C IR thermometer.
_____ Ambient temperature.

Initial: MH

CUSTODY SEAL INTACT:

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

Initial: MH

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: MH

COMMENTS: