CONESTOGA-ROVERS
& ASSOCIATES

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February 6, 2008

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

Re: **Subsurface Investigation Report**
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
SAP Code 136017
Incident No. 98996067
ACHCSA file No. RO0000156

Dear Mr. Wickham:

Conestoga-Rovers & Associates, Inc. (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent groundwater and soil investigations at the subject site. CRA followed the scope of work proposed in our May 22, 2007 *Site Investigation Work Plan* which was approved in the Alameda County Health Care Services Agency (ACHCSA) June 15, 2007 correspondence. CRA performed the work in accordance with ACHCSA and San Francisco Bay Regional Water Quality Control Board (SF-RWQCB) guidelines.

The objectives of this work were to:

- Assess residual soil concentrations near the underground storage tank (UST) complex; and
- Further delineate the vertical and horizontal extent of groundwater impact on and off site in the direction of groundwater flow.

EXECUTIVE SUMMARY

- All four proposed CPT borings were completed. One of four proposed soil borings (SB-16) was completed. Three other proposed soil borings could not be completed due to underground utilities, pea gravel, concrete, and/or cobbles obstructing the locations. No other locations in the vicinity of the UST complex are feasible for drilling. Previous borings BH-A (MW-1), BH-B (MW-2), BH-C (MW-3), BH-D, MW-5, and SB-8, along with SB-16, have thoroughly characterized the area surrounding the UST complex.

- Soil samples from SB-16 contained TPHg, ethylbenzene, xylenes and MTBE at concentrations below SF-RWQCB ESLs.

- Groundwater samples were attempted at first-encountered groundwater and at two deeper intervals from each CPT boring.

- Only two of the groundwater grab sampling attempts from the shallow interval (less than 50 fbg) resulted in sample recovery after waiting up to 60 minutes for recharge. The single concentration above non-drinking water SF-RWQCB ESLs was TPHg in on-site boring CPT-2. The laboratory noted that the sample chromatographic pattern for this analysis was not consistent with gasoline.

- Two deeper groundwater samples were collected from each CPT location, resulting in horizontal and adequate vertical groundwater delineation to below non-drinking water SF-RWQCB ESLs.

- Destruction of well MW-3, that screens more than one coarse-grained zone, would be prudent.

- The chloroform and PCE concentrations detected in up-gradient boring CPT-1 and historically in cross-gradient wells MW-7 and MW-8 likely indicate a regional impact with a source up gradient of the site.

SITE DESCRIPTION AND BACKGROUND

Site Location: The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California (Figures 1 and 2). There are three underground storage tanks (USTs) on site, two dispenser islands, and one station building with three automobile service bays.

Project History: A detailed chronologic description of historical investigative and remedial activities at this site is provided in Attachment A.

Surrounding Land Use: The area surrounding the site is primarily residential.

Local Topography: The site is approximately 65 feet above mean sea level and slopes very gently to the west, toward San Francisco Bay. San Leandro Creek is located approximately 500 feet northwest of the site.

Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range from the Holocene formation. The Hayward Fault Zone lies approximately one mile east of the site. The site is underlain by low estimated permeability sediments (clay and silt) with interspersed moderate estimated permeability sediments.

Groundwater: Groundwater beneath the site typically flows in a south-southwesterly direction with seasonal variations to both the southwest and northwest. Depth to water beneath the site has historically ranged between 23 and 46 fbg.

INVESTIGATION SUMMARY

A summary of the investigation scope of work is listed below:

- ***CPT Investigation:*** CRA oversaw the drilling and sampling of cone penetration testing (CPT) borings CPT-1 through CPT-4. CPT provided tip resistance, sleeve friction, and dynamic pore pressure data, which were electronically recorded on a continuous log from which the subsurface lithology and stratigraphy were inferred. The depth and number of discrete groundwater samples collected were based on the CPT data evaluation. The CPT boring locations are presented on Figure 2. CRA's standard field procedures for CPT drilling are included in Attachment B.

- ***Hollow-Stem Auger Investigation:*** CRA oversaw the drilling and sampling of soil boring SB-16 east of the UST complex. The soil boring location is presented on Figure 2. CRA's standard field procedures for hollow-stem auger drilling and soil sampling are included in Attachment B.

Details of these investigations are provided in the following sections.

INVESTIGATION RESULTS

CRA Personnel Present: CRA field geologists Peter Schaefer and Carmen Rodriguez directed the CPT field activities and Carmen Rodriguez directed the hollow-stem auger (HSA) field activities, under the supervision of California Professional Geologist Ana Friel.

Permits: CRA obtained Alameda County Public Works Agency Water Resources Well Permit W2007-0991 for advancement of CPT and HSA borings. An access agreement was reached with the San Leandro Unified School District for location CPT-1. Attachment C includes a copy of the permit and access agreement.

Drilling Company: Gregg Drilling and Testing, Inc. of Martinez, California (C-57 License #485165).

Drilling Dates: CPT: November 14 and 16, 2007, and January 3, 2008. HSA: November 16, 2007.

Drilling Methods: Direct push CPT and HSA.

Number of Borings: Four CPT borings (CPT-1 through CPT-4) and one hollow-stem auger boring (SB-16) were drilled. An additional three HSA borings were attempted around the UST complex, but were abandoned at less than 3 fbg due to underground utilities, pea gravel, concrete, and/or cobbles obstructing the locations. The boring specifications and soil types encountered are described on the CPT and boring logs contained in Attachment D. The boring locations are shown on Figure 2 and cross sections presented as Figures 3 and 4.

Boring Depths: CPT borings CPT-1 through CPT-4 were advanced to 90 fbg and hollow-stem auger boring SB-16 was advanced to 47 fbg.

Groundwater Sample Intervals: Hydropunch® samples were attempted in CPT-1 at 44-48 fbg, 56-60 fbg, and 78-82 fbg; in CPT-2 at 45-49 fbg, 56-60 fbg, and 75-79 fbg; in CPT-3 at 36-40 fbg, 53-57 fbg, and 75-79 fbg; and in CPT-4 at 37-41 fbg, 56-60 fbg, and 79-83 fbg. Groundwater grab sampling attempts from CPT-3 at 36-40 fbg and CPT-4 at 37-41 fbg resulted in no sample recovery after waiting up to 60 minutes for recharge.

Soil Disposal: CRA temporarily stored soil generated during the field activities on site in 55-gallon drums, sampled the soil, and profiled it for disposal. Attachment E includes the laboratory report. Disposal documentation has not yet been received by CRA, but will be available at a later date, upon request.

FINDINGS

Soil: Seven soil samples were collected for chemical analysis from soil boring SB-16 at 10.5, 20, 21.5, 26, 30, 37.5, and 40.5 fbg. The soil sample from 37.5 fbg had the highest concentrations detected during the field investigation activities.

Table 1 summarizes the soil analytical data, TPHg, benzene, and MTBE results are presented on Figure 5, and the laboratory analytical report is presented in Attachment E.

Groundwater: Grab groundwater samples for chemical analysis were collected from CPT borings CPT-1

through CPT-4 at two 4-foot intervals between 53 and 83 fbg. Sampling was attempted at one shallow interval in CPT-1 (44-48 fbg), CPT-2 (45-49 fbg), CPT-3 (36-40 fbg,), and CPT-4 (37-41 fbg,). No water entered the Hydropunch® apparatus at the shallow interval in CPT-3 and CPT-4 and after 20 - 60 minutes and sampling was abandoned.

Tables 2 and 3 summarize the groundwater analytical data, TPHg, benzene, MTBE, and PCE results are presented on Figure 5, and the laboratory analytical report is presented in Attachment E.

CONCLUSIONS

The purpose of this investigation was to determine the horizontal and vertical extent of soil and groundwater impact both on and off the site, and to assess residual soil concentrations near the UST complex. The investigation consisted of advancing four CPT borings for groundwater grab sampling and advancing one HSA boring for soil sampling in the vicinity of the UST complex.

Analyses of soil samples from SB-16 confirm the presence of a small amount of residual source material in vadose-zone soils near the UST complex and are much lower when compared with the data collected from nearby well MW-2 in 1992. All concentrations were below non-drinking water SF-RWQCB Environmental Screening Levels (ESLs, reference SF-RWQCB November 2007 document).

Groundwater grab sample analyses were below SF-RWQCB ESLs with the exception of TPHg in CPT-2 at 45-49 fbg. The laboratory noted that the sample chromatographic pattern for this analysis was not consistent with gasoline.

Based on the results from this investigation, the horizontal extent of petroleum hydrocarbons and fuel oxygenates has been defined at the site, and the vertical extent is adequately defined below SF-RWQCB ESLs.

PCE and chloroform were detected in all of the CPT borings. Historical detections in the majority of on-site and off-site wells (including cross-gradient wells MW-7 and MW-8, see CRA's January 30, 2008 *Groundwater Monitoring Report – Fourth Quarter 2007*) and in the up-gradient boring CPT-1 indicate a probable regional impact. The consistent westerly groundwater gradient seems to indicate an up-gradient source to the east of the site. Note that none of the volatile organic compounds (VOCs) analytical detections exceed SFRWQCB-ESLs.

CRA notes that monitoring well MW-3 is screened over two coarse-grained intervals and may provide a preferential pathway for contaminant migration.

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RECOMMENDATIONS

This investigation succeeded in delineating the horizontal and vertical extent of petroleum hydrocarbons and fuel oxygenates in groundwater and assessing soil impacts in the area of the UST complex. PCE and chloroform impact to groundwater appears to be regional, with a source up gradient of the subject site. No VOC concentrations exceed SF-RWQCB ESLs. No additional investigation is warranted.

CRA recommends that monitoring well MW-3, screened over two coarse-grained intervals which may provide a preferential pathway for contaminant migration, be properly destroyed by pressure grouting. Due to the concentration of utilities and piping in this area it does not appear to be feasible to replace the well.

Upon agency concurrence with these recommendations, CRA will prepare a detailed work plan.

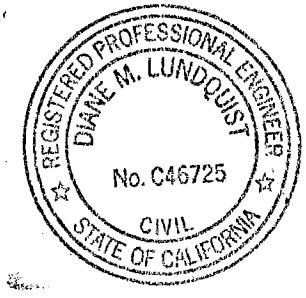
CLOSING

If you have any questions regarding this submittal, please call Peter Schaefer at (510) 420-3319 or Ana Friel at (707) 268-3812.

Sincerely,
Conestoga-Rovers & Associates, Inc.

Peter Schaefer, PG, CEG, CHG
Acting Project Manager

Diane M. Lundquist, P.E.
Professional Engineer



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Figures:
1 - Vicinity Map
2 - Site Plan
3 - Geologic Cross Section A-A'
4 - Geologic Cross Section C-C'
5 - Soil and Groundwater Data (November 2007 and January 2008)

Tables:
1 - Historical Soil Analytical Results
2 - Historical Groundwater Grab Sample Analytical Results
3 - Additional VOCs in Groundwater Grab Samples

Attachments:
A - Site History
B - Standard Field Procedures
C - Drilling Permits and Access Agreement
D - CPT Logs and Boring Logs
E - Laboratory Analytical Reports

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Michael Bakaldin, City of San Leandro, 835 East 14th Street, San Leandro, CA 94577
Ivan G. and Joanne Cornelius, 198 Juana Avenue, San Leandro, CA 94577
Greg Dyer, San Leandro Unified School District, 14735 Juniper Street, San Leandro, CA 94579

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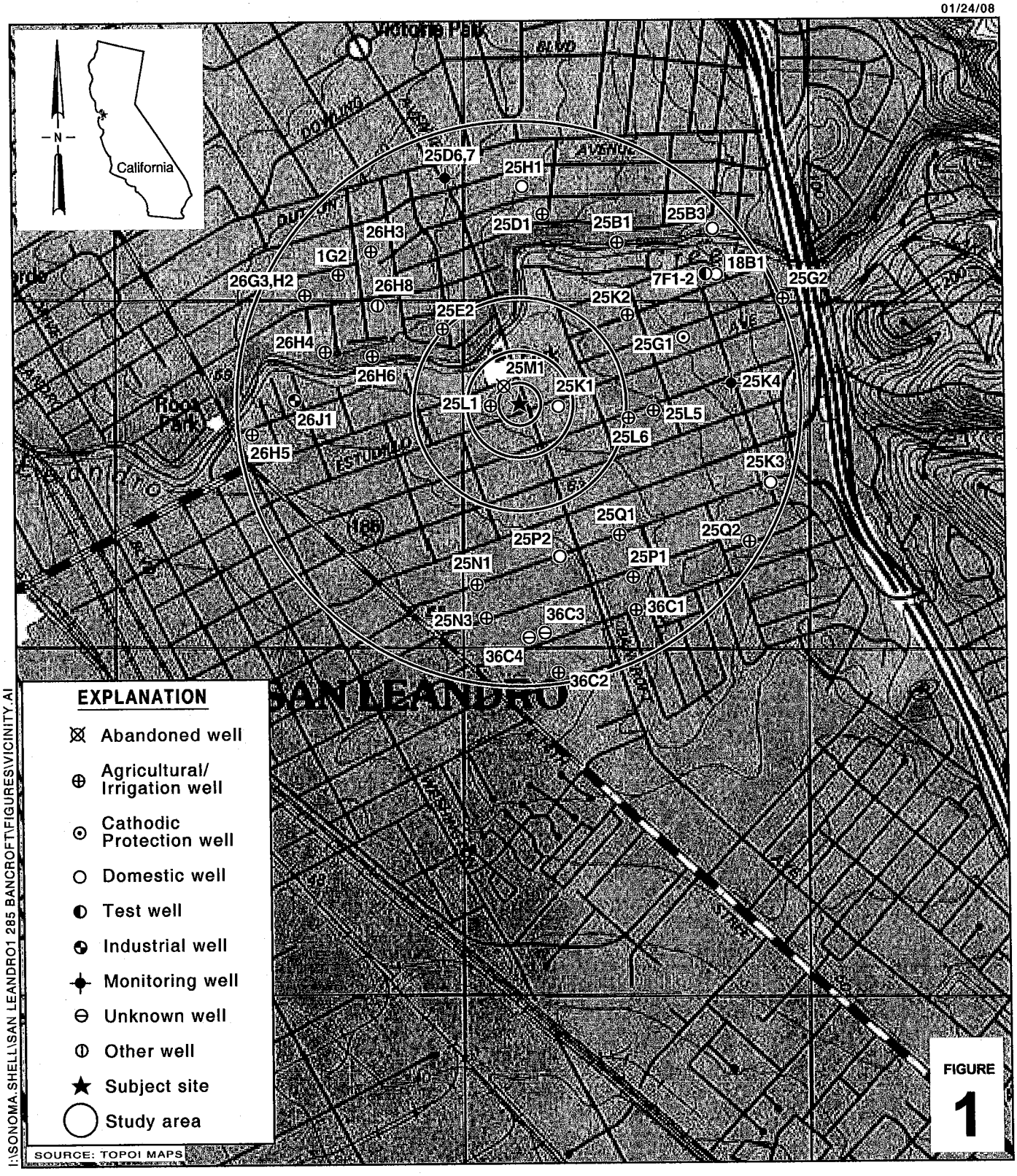

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FIGURE 1

Shell-branded Service Station

1285 Bancroft Avenue

San Leandro, California

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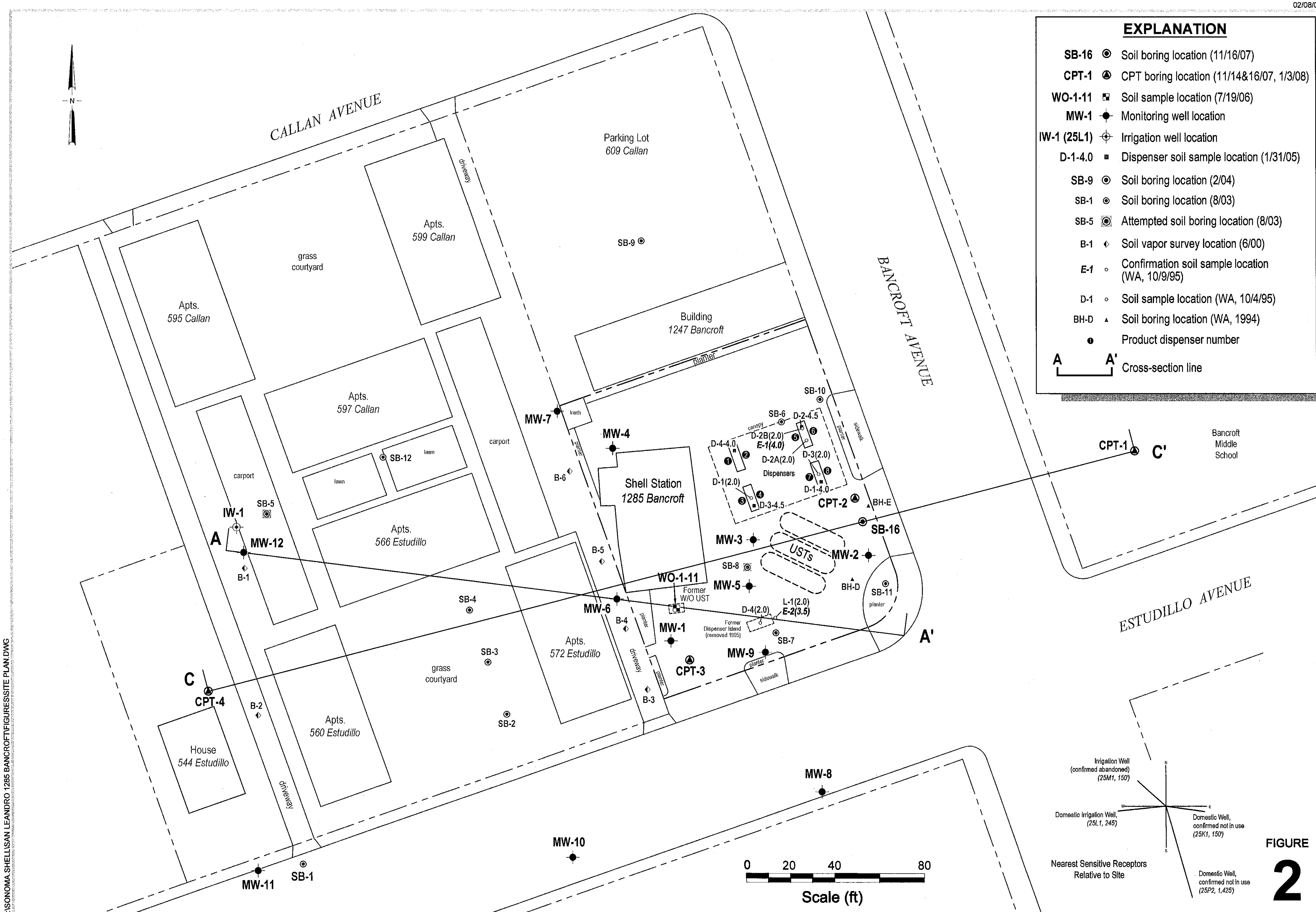
Vicinity Map

02/08/08



EXPLANATION
SB-16 Soil boring location (11/16/07)
CPT-1 CPT boring location (11/14&16/07, 1/3/08)
WO-1-11 Soil sample location (7/19/06)
MW-1 Monitoring well location
IW-1 (25L1) Irrigation well location
D-1-4.0 Dispenser soil sample location (1/31/05)
SB-9 Soil boring location (2/04)
SB-1 Soil boring location (8/03)
SB-5 Attempted soil boring location (8/03)
B-1 Soil vapor survey location (6/00)
E-1 Confirmation soil sample location (WA, 10/9/95)
D-1 Soil sample location (WA, 10/4/95)
BH-D Soil boring location (WA, 1994)
Product dispenser number
A A' Cross-section line
CALLAN AVENUE
BANCROFT AVENUE
ESTUDILLO AVENUE
Parking Lot
609 Callan
Building
1247 Bancroft
Apts.
595 Callan
Apts.
599 Callan
Apts.
597 Callan
Apts.
566 Estudillo
Apts.
572 Estudillo
Apts.
560 Estudillo
House
544 Estudillo
grass courtyard
carport
lawn
driveway
planter
trash
sidewalk
canopy
Dispensers
USTs
Shell Station
1285 Bancroft
Former W/O UST
Former Dispenser Island (removed 1995)
Bancroft Middle School
SB-9
SB-10
SB-6
SB-12
SB-5
SB-8
SB-4
SB-3
SB-2
SB-7
SB-11
SB-16
SB-1
D-2-4.5
D-2B(2.0)
E-1(4.0)
D-4-4.0
D-2A(2.0)
D-3(2.0)
D-1(2.0)
D-1-4.0
D-3-4.5
D-4(2.0)
L-1(2.0)
E-2(3.5)
WO-1-11
BH-E
BH-D
CPT-1
CPT-2
CPT-3
CPT-4
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
IW-1
B-1
B-2
B-3
B-4
B-5
B-6
A
A'
C
C'
Irrigation Well (confirmed abandoned) (25M1, 150')
Domestic Irrigation Well, (25L1, 245')
Domestic Well, confirmed not in use (25K1, 150')
Domestic Well, confirmed not in use (25P2, 1,425')
Nearest Sensitive Receptors Relative to Site
0 20 40 80
Scale (ft)

FIGURE
2

Site Plan

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

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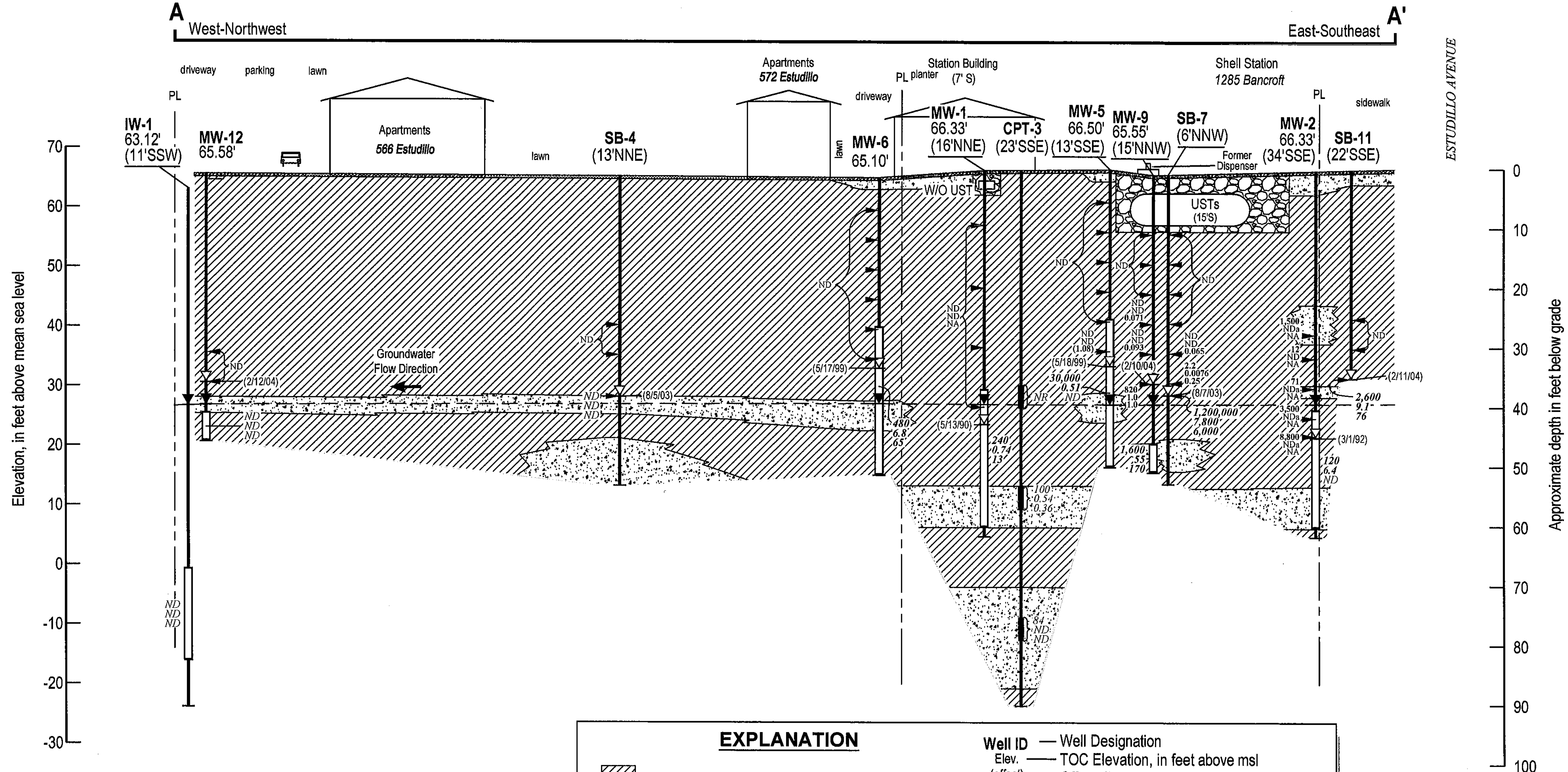
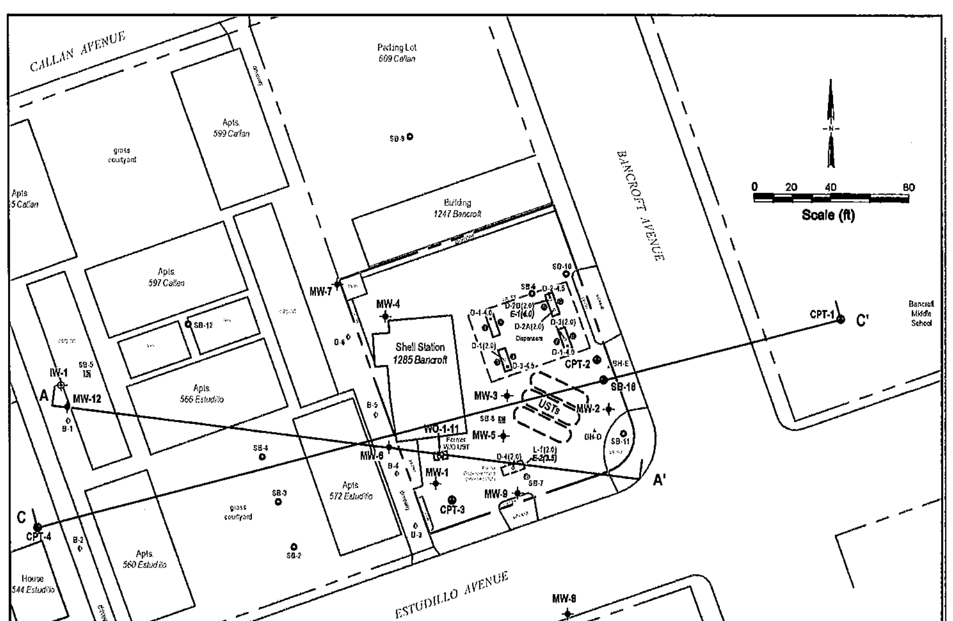
Geologic Cross Section A-A'





EXPLANATION

= Fine-Grained Soils

= Coarse-Grained Soils

= Fill (Tank Pit)

Approximate Soil Sample Location

Interval of Discrete Soil Sample Results (Grouped for Clarity)

NA — Not analyzed

ND — TPHg, benzene, and MTBE not detected

NDa — Not detected; elevated reporting limit

TPHg / Benzene / MTBE — Concentrations in Soil, in mg/kg; (MTBE analyzed by EPA Method 8020 in parentheses, all others by EPA Method 8260 or NA)

Well ID — Well Designation

Elev. — TOC Elevation, in feet above msl

(offset) — Offset distance and direction from cross-section line

Groundwater Monitoring Well or Soil Boring

Well Screen Interval

Bottom of boring

TPHg / Benzene / MTBE — Concentrations in Groundwater, in µg/L (10/17/07)

Depth of Groundwater (10/17/07)

Inferred Groundwater Depth

(6/26/00) — Depth and Date of First Encountered Groundwater

Grab Groundwater Sample Depth

TPHg / Benzene / MTBE — CPT Groundwater Sampling Interval and Concentrations, in µg/L (11/14&16/07, 1/3/08)

NR — No Recovery

Scale (ft)

0 — 30 — 20

FIGURE 3

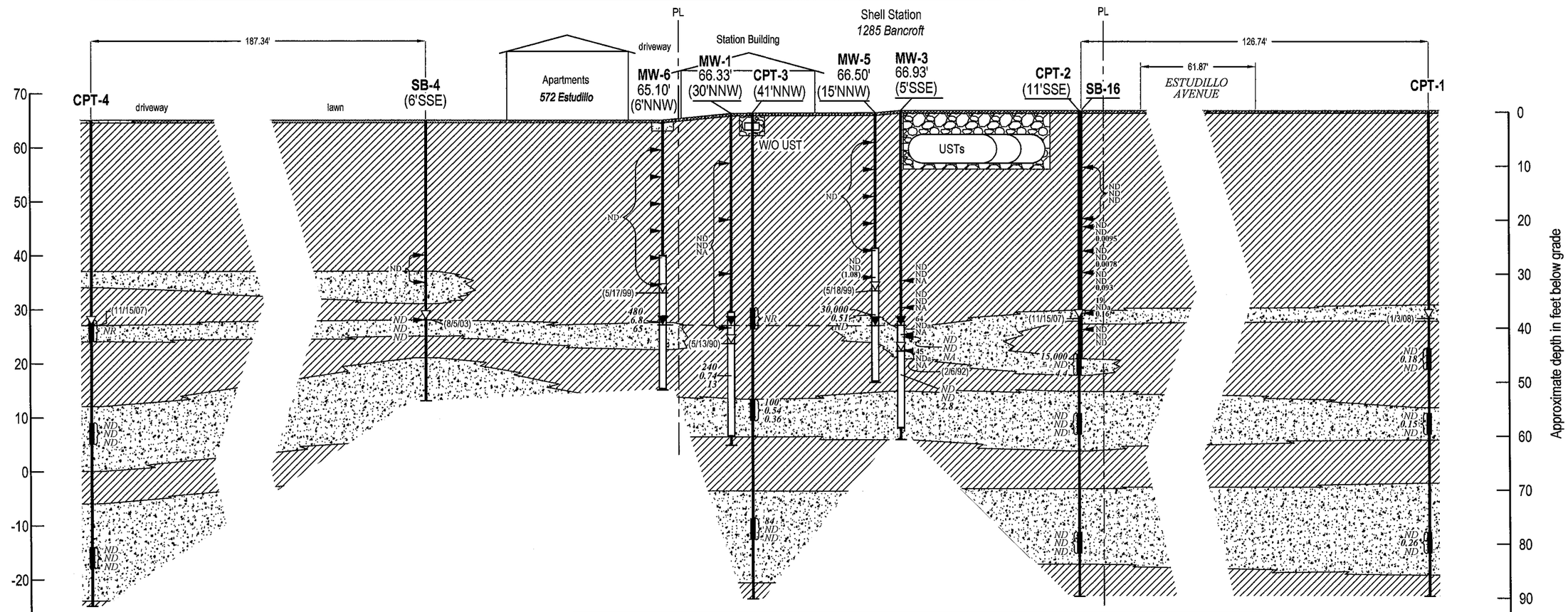
CAMBRIA

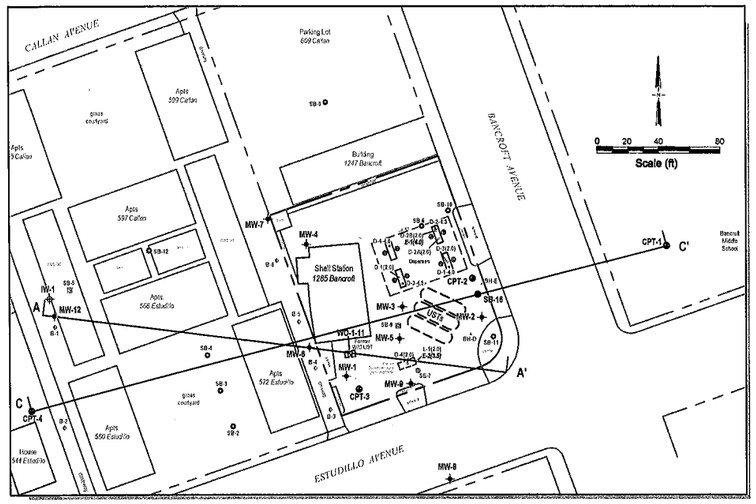
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

I:\SONOMA.SHELL\SAN LEANDRO 1285 BANCROFT\FIGURES\X-SECT A-A'-REV 2008.DWG

Geologic Cross Section C-C'

C West-Southwest — East-Northeast C'





EXPLANATION

- = Fine-Grained Soils
- = Coarse-Grained Soils
- = Fill (Tank Pit)
- Approximate Soil Sample Location
- Interval of Discrete Soil Sample Results (Grouped for Clarity)
- NA — Not analyzed
- ND — TPHg, benzene, and MTBE not detected
- NDa — Not detected; elevated reporting limit
- TPHg / Benzene / MTBE — Concentrations in Soil, in mg/kg; (MTBE analyzed by EPA Method 8020 in parentheses, all others by EPA Method 8260 or NA)

- Well ID — Well Designation
- Elev. — TOC Elevation, in feet above msl
- (offset) — Offset distance and direction from cross-section line
- Groundwater Monitoring Well or Soil Boring
- Well Screen Interval
- Bottom of boring
- TPHg / Benzene / MTBE — Concentrations in Groundwater, in µg/L (10/17/07)
- Depth of Groundwater (10/17/07)
- Inferred Groundwater Depth
- (6/26/00) — Depth and Date of First Encountered Groundwater
- Grab Groundwater Sample Depth
- TPHg / Benzene / MTBE — CPT Groundwater Sampling Interval and Concentrations, in µg/L (11/14&16/07, 1/3/08)
- NR — No Recovery

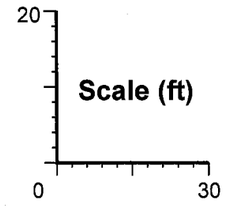


FIGURE
4

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

CAMBRIA

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02/08/08

EXPLANATION

SB-16	◉	Soil boring location (11/16/07)
CPT-1	▲	CPT boring location (11/14&16/07, 1/3/08)
WO-1-11	▪	Soil sample location (7/19/06)
MW-1	✦	Monitoring well location
IW-1 (25L1)	⊕	Irrigation well location
D-1-4.0	▪	Dispenser soil sample location (1/31/05)
SB-9	◉	Soil boring location (2/04)
SB-1	◉	Soil boring location (8/03)
SB-5	◉	Attempted soil boring location (8/03)
B-1	◆	Soil vapor survey location (6/00)
E-1	○	Confirmation soil sample location (WA, 10/9/95)
D-1	○	Soil sample location (WA, 10/4/95)
BH-D	▲	Soil boring location (WA, 1994)
❶		Product dispenser number

CPT-1: WATER (µg/L)				
Depth	TPHg	Benz.	MTBE	PCE

Sample ID

Grab groundwater sample depth and TPHg, benzene, MTBE, and PCE concentrations, in µg/L

SB-16: SOIL (mg/kg)			
Depth	TPHg	Benz.	MTBE

Sample ID

Soil sample depth and TPHg, benzene, MTBE, and PCE concentrations in soil, in mg/kg

ND = Not detected
NDa = Elevated reporting limits, see laboratory report for details

CALLAN AVENUE

Parking Lot
609 Callan

Apts.
599 Callan

Apts.
595 Callan

Apts.
597 Callan

grass courtyard

driveway

carport

lawn

planter

trash

canopy

Building
1247 Bancro

ENUE

SB-9

SB-10

SB-6

SB-12

SB-5

IW-1

MW-12

B-1

MW-7

MW-4

B-6

D-4-4.0

D-2B(2.0)
E-1(4.0)

D-2-4.5

D-2A(2.0)

D-3(2.0)

Dispensers

D-1(2.0)

D-1-4.0

D-3-4.5

Shell Station
1285 Bancroft

B-5

MW-6

WO-1-11

Former W/O UST

MW-5

SB-8

L-1(2.0)
E-2(3.5)

D-4(2.0)

Former dispenser island (removed 1995)

MW-1

B-4

SB-7

CPT-3

MW-9

MW-3

USTs

MW-2

SB-16

BH-E

CPT-2

BH-D

SB-11

SB-4

SB-3

SB-2

B-2

Apts.
566 Estudillo

Apts.
572 Estudillo

Apts.
560 Estudillo

House
544 Estudillo

CPT-4

MW-11

SB-1

MW-10

MW-8

Bancroft Middle School

ESTUDILLO AVENUE

CPT-1: WATER (µg/L)				
44-48'	ND	0.18	ND	4.5
56-60'	ND	0.15	ND	5.6
78-82'	ND	0.26	ND	0.91

CPT-1 ▲

CPT-2: WATER (µg/L)				
45-49'	15,000	ND	4.4	ND
56-60'	NDa	ND	ND	5.8
75-79'	NDa	ND	ND	3.2

SB-16: SOIL (mg/kg)			
10.5'	ND	ND	ND
20'	ND	ND	ND
21.5'	ND	ND	0.0095
26'	ND	ND	0.0078
30'	ND	ND	0.093
37.5'	19	NDa	0.16
40.5'	ND	ND	ND

CPT-3: WATER (µg/L)				
53-57'	100	0.54	0.36	3.7
75-79'	84	ND	ND	3.6

CPT-4: WATER (µg/L)				
56-60'	ND	ND	ND	4.1
79-83'	ND	ND	ND	2.1

Irrigation Well (confirmed abandoned) *(25M1, 150')*

Domestic Irrigation Well, *(25L1, 245')*

Domestic Well, confirmed not in use *(25K1, 150')*

Domestic Well, confirmed not in use *(25P2, 1,425')*

Nearest Sensitive Receptors Relative to Site

0 20 40 80
Scale (ft)

FIGURE
5

Soil and Groundwater Data

November 2007 and January 2008

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Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California

I:\SONOMA.SHELL\SAN LEANDRO 1285 BANCROFT\FIGURES\SOIL AND GW DATA.DWG

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
BH-A (MW-1)	03/06/90	9.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	0.0020
BH-A (MW-1)	03/06/90	19.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	03/06/90	29.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	03/06/90	39.7	<1	1.6[b]	<0.0025	<0.0025	<0.0025	0.0057	---	---	<0.0020
BH-A (MW-1)	03/06/90	51.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	0.0045
BH-A (MW-1)	03/06/90	61.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	0.0043
BH-B (MW-2)	02/06/92	27.5	1,500	1,000[a]	<0.25	<0.25	0.82	6.9	---	---	<0.002
BH-B (MW-2)	02/06/92	31.5	12	---	<0.0025	<0.0025	0.0090	0.058	---	---	---
BH-B (MW-2)	02/06/92	36.5	71	16[a]	<0.025	<0.025	0.056	0.21	---	---	<0.002
BH-B (MW-2)	02/06/92	41.5	3,500	---	<1.25	<1.25	19	46	---	---	---
BH-B (MW-2)	02/06/92	44.5	8,800	4,500[a]	<2.5	<2.5	72	170	---	---	<0.002
BH-B (MW-2)	02/06/92	48.5	19	---	<0.025	<0.025	<0.025	0.092	---	---	---
BH-C (MW-3)	02/07/92	31.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
BH-C (MW-3)	02/07/92	36.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-C (MW-3)	02/07/92	41.5	64	---	<0.025	<0.025	<0.025	0.25	---	---	---
BH-C (MW-3)	02/07/92	44.5	45	29[a]	<0.025	<0.025	<0.025	0.25	---	---	<0.002
BH-C (MW-3)	02/07/92	48.5	15	---	<0.0025	<0.0025	<0.0025	0.60	---	---	---
BH-D	02/15/94	25.8	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-D	02/15/94	27.3	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	02/15/94	27.0	<1	<1	0.0075	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	02/15/94	28.8	<1	<1	0.015	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	15.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	20.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	25.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	30.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	35.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	40.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	45.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
BH-F (MW-4)	02/16/94	50.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	55.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
D-1-2.0	10/04/95	2.0	1.1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
D-2A-2.0	10/04/95	2.0	130	---	<0.002	0.33	0.53	4.6	---	---	---
D-3-2.0	10/04/95	2.0	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
D-4-2.0	10/04/95	2.0	1.1	---	<0.0025	<0.0025	<0.0025	0.0063	---	---	---
L-1-2.0	10/04/95	2.0	10	---	0.31	0.49	<0.0025	1.4	---	---	---
E-1-4ft	10/09/95	4	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
E-2-3.5	10/09/95	3.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
MW-5-5.5	05/18/99	5.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-5-10.5	05/18/99	10.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-5-15.5	05/18/99	15.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-5-20.5	05/18/99	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-5-25.5	05/18/99	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-5-30.5	05/18/99	30.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	1.08	---	---
MW-5-35.5	05/18/99	35.5	1.91	---	0.0475	<0.00500	0.0172	0.0159	4.68	2.25	---
MW-5-40.5	05/18/99	40.5	10.5	---	0.0279	0.486	0.179	1.02	0.0930	---	---
MW-5-45.5	05/18/99	45.5	6.67	---	0.0264	0.0346	0.0298	77.0	<0.0500	---	---
MW-6-5.5	05/17/99	5.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-6-10.5	05/17/99	10.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-6-15.5	05/17/99	15.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-6-20.5	05/17/99	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-6-25.5	05/17/99	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-6-30.5	05/17/99	30.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-6-35.5	05/17/99	35.5	273	---	1.12	1.31	3.10	14.2	2.58	1.31	---
MW-6-40.5	05/17/99	40.5	96.1	---	0.665	1.07	1.25	5.51	1.31	---	---
MW-6-45.5	05/17/99	45.5	1.83	---	0.0151	0.0173	0.0141	0.0875	1.47	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
MW-7-5.5	05/17/99	5.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-10.5	05/17/99	10.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-15.5	05/17/99	15.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-20.5	05/17/99	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-25.5	05/17/99	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-30.5	05/17/99	30.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-35.5	05/17/99	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-40.5	05/17/99	40.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-7-45.5	05/17/99	45.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
MW-8-5.5	05/19/99	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-10.5	05/19/99	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-15.5	05/19/99	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-20.5	05/19/99	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-25.5	05/19/99	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-30.5	05/19/99	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-35.5	05/19/99	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8-40.5	05/19/99	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.212	0.210	---
MW-8-45.5	05/19/99	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0532	---	---
B-1-6.5	06/26/00	6.5	5.33	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00820	<0.0500	---	---
B-1-17.5	06/26/00	17.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-20.5	06/26/00	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-25.0	06/26/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-35.5	06/26/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-2-6.0	06/26/00	6.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00960	<0.00500	---	---
B-2-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00970	<0.00500	---	---
B-2-15.0	06/26/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-21.0	06/26/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	0.00890	<0.00500	---	---
B-2-25.5	06/26/00	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
B-2-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-5.0	06/27/00	5.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-25.0	06/27/00	25.0	<1.00	---	<0.00500	0.00730	<0.00500	<0.00500	<0.00500	---	---
B-3-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-34.5	06/27/00	34.5	3.03	---	0.0520	0.0228	0.0523	0.0333	0.436	0.120	---
B-4-7.0	06/27/00	7.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-20.0	06/27/00	20.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-35.0	06/27/00	35.0	<1.00	---	0.0422	<0.00500	0.0152	<0.00500	0.162	0.243	---
B-5-7.0	06/27/00	7.0	<1.00	---	<0.00500	0.00750	<0.00500	<0.00500	<0.00500	---	---
B-5-10.5	06/27/00	10.5	21.5	---	<0.00500	0.430	<0.00500	<0.00500	<0.00500	---	---
B-5-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-34.5	06/27/00	34.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	0.135	0.0425	---
B-5-38.5	06/27/00	38.5	2.82	---	0.0398	0.0142	0.0744	0.299	0.251	0.0536	---
B-6-6.5	06/27/00	6.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-10.5	06/27/00	10.5	3.92	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-16.5	06/27/00	16.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-20.5	06/27/00	20.5	<1.00	---	<0.00500	0.00950	<0.00500	0.00700	<0.00500	---	---
B-6-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-35.5	06/27/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
SB-1-31'	08/04/03	31	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-33'	08/04/03	33	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-35'	08/04/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-40'	08/04/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-45'	08/04/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-47.5'	08/04/03	47.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-32'	08/05/03	32	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-45'	08/05/03	45	<1.0	---	<0.0050	0.012	<0.0050	0.023	---	0.088	---
SB-2-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.050	---
SB-3-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-45'	08/05/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-5[(c)]	08/05/03	---	---	---	---	---	---	---	---	---	---
SB-6-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-35'	08/07/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0087	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
SB-6-37'	08/07/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-40'	08/07/03	40	5.5	---	<0.0050	<0.0050	0.022	<0.0050	---	0.036	---
SB-6-45'	08/07/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0063	---
SB-6-50'	08/07/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-10'	08/07/03	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.065	---
SB-7-35'	08/07/03	35	2.2	---	0.0076	<0.0050	0.014	0.017	---	0.25	---
SB-7-51.5'	08/07/03	51.5	<1.0	---	<0.0050	<0.0050	<0.0050	0.016	---	<0.0050	---
SB-8[(c)]	08/05/03	---	---	---	---	---	---	---	---	---	---
SB-9-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-9-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-10-25'	02/12/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-10-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-10-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-11-25'	02/11/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-11-30'	02/11/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-11-35'	02/11/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-12-25'	02/13/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-12-30'	02/13/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-10'	02/11/04	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-15'	02/11/04	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-20'	02/11/04	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-25'	02/11/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.071	---
MW-9-30'	02/11/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.093	---
MW-9-35'	02/11/04	35	820	---	1.0	2.3	12	84	---	1.0	

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								
MW-9-45'	02/11/04	45	<1.0	---	<0.0050	<0.0050	0.0081	0.042	---	<0.0050	---
MW-9-49.5	02/11/04	19.5	<1.0	---	<0.0050	0.0061	0.0093	0.049	---	<0.0050	---
MW-10-30'	02/10/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-10-35'	02/10/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-10-39.5'	02/10/04	39.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.017	---
MW-11-30'	02/10/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-11-35'	02/10/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-11-40'	02/10/04	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-11-44.5'	02/10/04	44.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-39.5	02/12/04	39.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-44.5	02/12/04	44.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
D-1-4.0	01/31/05	4.0	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
D-2-4.5	01/31/05	4.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
D-3-4.5	01/31/05	4.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
D-4-4.0	01/31/05	4.0	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0088	---
SB-16-10.5	11/16/07	10.5	<0.50	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050 [e]	---
SB-16-20	11/16/07	20	<0.50	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050 [e]	---
SB-16-21.5	11/16/07	21.5	<0.50	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0095 [e]	---
SB-16-26	11/16/07	26	<0.50	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.0078 [e]	---
SB-16-30	11/16/07	30	<0.50	---	<0.0050	<0.0050	<0.0050	<0.0050	---	0.093 [e]	---
SB-16-37.5	11/16/07	37.5	19	---	<0.12	<0.12	0.86	3.1	---	0.16 [e]	---
SB-16-40.5	11/16/07	40.5	<0.50	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050 [e]	---
ESL [d]			4,200		11	29	33	420	8.4	8.4	17

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (mg/kg) →								

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. Prior to August 7, 2003, samples analyzed by modified EPA Method 8015; subsequently analyzed by EPA Method 8260B.
TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8020 or EPA Method 8260B.
PCE = Tetrachloroethene analyzed by EPA Method 8010.
fbg = Feet below grade.
mg/kg = Milligrams per kilogram
<x = Not detected at laboratory detection limit of x
--- = Not analyzed.
ESL = Environmental screening level

Notes:

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8020 prior to August 7, 3003; subsequently analyzed by EPA Method 8260B.
Selected samples from soil borings BH-A through BH-F were analyzed for petroeum oil and grease by American Public Health Association (APHA) Standard Method 503E

a = Laboratory reported that the detected compound is a hydrocarbon lighter than diesel.
b = no total petroleum hydrocarbons as motor oil detected at modified EPA method 8015 detection limit of 10 ppm
c = boring attempted however not feasible due to subsurface or overhead obstruction
d = San Francisco Regional Water Quality Control Board Environmental Screening Levels - Table D. Deep soils (>3 m bgs). Groundwater is not a current or potential source of drinking water.
e = Soil samples also analyzed for fuel oxygenates tertiary-butanol, di-isopropyl ether, ethyl tertiary-butyl ether, and tertiary-amyl-methyl ether. None were detected in any of the soil samples.

Table 2. Historical Groundwater Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol	TOG	PCE
			← µg/L →															
MW-1	03/13/90	42.65	510	130	<0.5	1.1	1.5	8.7	---	---	---	---	---	---	---	---	<10,000	35
MW-2	02/24/92	41.94	1.0	0.26 a	0.0043	0.0011	0.012	0.023	---	---	---	---	---	---	---	---	---	0.013
MW-3	02/24/92	42.55	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---	---	---	---	---	---	---	0.011
B-1-W	06/26/00	---	<50	---	<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---	---	---
B-2-W	06/26/00	---	<50	---	<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---	---	---
SB-1-W	08/04/03	37.7	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-2-W	08/05/03	38	<5,000	---	<50	<50	<50	<100	2,000	<500	<200	<200	<200	<50	<50	<5,000	---	---
SB-3-W	08/05/03	37	63	---	<0.50	<0.50	<0.50	3.6	3.5	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-4-W	08/05/03	37	<50	---	<0.50	<0.50	<0.50	1.7	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-6-W	08/07/03	37	3,800	---	5.1	<0.50	12	2.1	58	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---
SB-7-W	08/07/03	38	1,200,000	---	7,800	38,000	20,000	130,000	6,000	<10,000	<4,000	<4,000	<4,000	<1,000	<1,000	<1,000,000	---	---
SB-9-W	02/12/04	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	---	---	---	---	---
SB-10-W	02/12/04	---	1,100	---	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	---	---	---	---	---	---	---
SB-11-W	02/12/04	---	2,600	---	9.1	<5.0	<5.0	<10	76	---	---	---	---	---	---	---	---	---
CPT-1-44-48	01/03/08	44-48	<50	---	0.18 b	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	4.5
CPT-1-56-60	01/03/08	56-60	<50	---	0.15 b	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	5.6
CPT-1-78-82	01/03/08	78-82	<50	---	0.26 b	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	0.91 b
CPT-2-45-49	11/16/07	45-49	15,000 c	---	<0.50	<1.0	17	50	4.4	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	<1.0
CPT-2-56-60	11/16/07	56-60	<50	---	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	5.8
CPT-2-75-79	11/16/07	75-79	<50	---	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	3.2
CPT-3-53-57	11/14/07	53-57	100	---	0.54	0.56 b	3.5	17	0.36 b	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	3.7
CPT-3-75-79	11/14/07	75-79	84	---	<0.50	<1.0	0.97 b	5.1	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	3.6
CPT-4-56-60	11/16/07	56-60	<50	---	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	4.1
CPT-4-79-83	11/16/07	79-83	<50	---	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	<100	---	2.1
ESL [d]			5,000	2,500	540	400	300	5,300	1,800	50,000	NA	NA	NA	200	150	NA	NA	120

Table 2. Historical Groundwater Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Abbreviations and Notes:

fbg = Feet below grade
µg/L = Micrograms per liter
TPHg = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8260B.
TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8260B.
BTEX = Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8260B.
MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B.
TBA = tertiary-butyl-alcohol, analyzed by EPA Method 8260B.
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B.
ETBE = Ethyl tertiary-butyl ether, analyzed by EPA Method 8260B.
TAME = tertiary-amyl methyl ether, analyzed by EPA Method 8260B.
1,2 DCA = 1,2 Dichloroethane, analyzed by EPA Method 8260B.
EDB = Ethylene dibromide (1,2-dibromoethane), analyzed by EPA Method 8260B.
TOG = total oil and grease
PCE = tetrachloroethylene, analyzed by EPA Method 8260B.
--- = Not analyzed
<x = Not detected at laboratory detection limit of x
ESL = Environmental screening level
NA = ESL not listed

a = Results due to hydrocarbon compound lighter than diesel
b = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
c = Sample chromatographic pattern for TPH does not match the chromatographic pattern for the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
d = San Francisco Regional Water Quality Control Board Environmental Screening Levels - Table D. Deep soils (>3 m bgs). Groundwater is not a current or potential source of drinking water.

Table 3. Additional VOCs in Grab Groundwater Samples, Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Depth (fbg)	Acetone (µg/L)	sec-Butyl-benzene (µg/L)	Carbon Disulfide (µg/L)	Chloroform (µg/L)	Isopropyl-benzene (µg/L)	PCE (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Methylene Chloride (µg/L)
CPT-1-44-48	01/03/08	44-48	<50	<1.0	<10	2.8	<1.0	4.5	<1.0	<1.0	<10	<1.0	<1.0
CPT-1-56-60	01/03/08	56-60	<50	<1.0	0.43 c	2.2	<1.0	5.6	<1.0	<1.0	0.75	<1.0	<1.0
CPT-1-78-82	01/03/08	78-82	<50	<1.0	<10	0.37 c	<1.0	0.91 c	<1.0	<1.0	<10	<1.0	4.3 c
CPT-2-45-49	11/16/07	45-49	<50	1.2	<10	<1.0	1.7	<1.0	11	40	<10	5.4	<1.0
CPT-2-56-60	11/16/07	56-60	<50	<1.0	<10	2.5	<1.0	5.8	<1.0	<1.0	<10	<1.0	<1.0
CPT-2-75-79	11/16/07	75-79	<50	<1.0	<10	0.55 c	<1.0	3.2	<1.0	<1.0	<10	<1.0	5.2 b,c
CPT-3-53-57	11/14/07	53-57	13 c	<1.0	<10	1.7	<1.0	3.7	1.1	3.1	0.57 c	0.51 c	<1.0
CPT-3-75-79	11/14/07	75-79	8.6 c	<1.0	<10	0.60 c	<1.0	3.6	0.41 c	1.3	<10	0.18 c	<1.0
CPT-4-56-60	11/16/07	56-60	<50	<1.0	<10	1.3	<1.0	4.1	<1.0	<1.0	<10	<1.0	<1.0
CPT-4-79-83	11/16/07	79-83	<50	<1.0	<10	<1.0	<1.0	2.1	<1.0	<1.0	<10	<1.0	<1.0
ESL [d]			50,000	---	---	330	---	120	---	---	210	---	2,400

Abbreviations and Notes:

VOCs = Volatile organic compounds analyzed by EPA Method 8260B

PCE = Tetrachloroethene analyzed by EPA Method 8260B

fbg = Feet below grade.

µg/L = Micrograms per liter

<x = Not detected at laboratory detection limit of x

ESL = Environmental screening level

--- = ESL not listed

a = Concentration exceeds the calibration range and therefore result is semi-quantitative

b = Analyte was detected in the associated Method Blank at 6.8 µg/L.

c = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

d = San Francisco Regional Water Quality Control Board Environmental Screening Levels - Table D. Deep soils (>3 m bgs). Groundwater is not a current or potential source of drinking water.

Attachment A

Site History

1285 BANCROFT, SAN LEANDRO, CA SITE HISTORY

November 1986 Waste-Oil Tank Removal: In November 1986, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste-oil tank and installed a new 550-gallon fiberglass tank in the former tank pit. Immediately following the tank removal, Blaine Tech Services (Blaine) of San Jose, California collected soil samples beneath the former tank location at 8.75 and 9 fbg. The soil samples contained maximum concentrations of 83 parts per million (ppm) petroleum oil and grease and 583 ppm total oil and grease (TOG). After additional excavation, Blaine collected another soil sample at 9.5 fbg, which contained 89.3 ppm TOG. No groundwater was encountered in the tank pit. No report documenting these activities could be located.

March 1990 Well Installation: In March 1990, Weiss Associates (Weiss) of Emeryville, California advanced a soil boring (BH-A) and converted it to groundwater monitoring well MW-1 adjacent to the waste-oil tank. No petroleum constituents were detected in soil samples analyzed from boring BH-A. Tetrachloroethene (PCE) was detected at 35 parts per billion (ppb). The maximum total petroleum hydrocarbons as gasoline (TPHg) concentration in groundwater from well MW-1 was 510 ppb. Weiss' July 31, 1990 *Second Quarter 2005* letter report documents these activities.

February 1992 Subsurface Investigation: In February 1992, Weiss advanced two soil borings (BH-B and BH-C) upgradient and downgradient of the existing underground storage tanks (USTs) and converted them into monitoring wells MW-2 and MW-3. A maximum TPHg concentration of 8,800 ppm was detected in boring BH-B, which was converted into monitoring well MW-2. No benzene was detected in this investigation. Weiss' April 27, 1992 *Subsurface Investigation* letter report documents these activities.

1992 Well Survey: Weiss included a ½-mile radius well survey with the report of the February 1992 subsurface investigation. A total of 21 wells were identified within ½ mile of the site. One domestic supply well was identified approximately ½ mile northeast (cross gradient) of the site. One domestic or irrigation supply well was also identified within 500 feet west (cross and down gradient) and another within 500 feet east (cross and up gradient) of the site. Weiss' April 27, 1992 *Subsurface Investigation* letter report documents these activities.

February 1994 Subsurface Investigation: In February 1994, Weiss advanced three soil borings (BH-D, BH-E, and BH-F) up gradient and down gradient of the existing USTs. Boring BH-F was converted into monitoring well MW-4. No TPHg was detected in this investigation. A maximum benzene concentration of 0.015 ppm was detected in boring BH-E No report documenting these activities or logs of borings BH-D and BH-E could be located.

October 1995 Dispenser Replacement Sampling: In October 1995, Weiss collected soil samples from beneath the former dispensers. A maximum TPHg concentration of 130 ppm was detected in soil sample D-2A, located 2 fbg beneath the northern dispenser-island. A maximum benzene

concentration of 0.31 ppm was detected in soil sample L-1, located 2 fbg beneath the product piping lines on the south end of the site. Weiss' March 5, 1996 *Replacement Sampling Report* documents these activities.

September 1998 and July 1999 through September 1999 Mobile Groundwater Extraction: Mobile groundwater extraction (GWE) was performed at the site on September 2, 1998, and weekly GWE events were performed from July 30, 1999 through September 9, 1999, using wells MW-1, MW-3, and MW-5. Approximately 17.9 pounds of liquid-phase TPHg and 0.77 pounds of methyl tertiary-butyl ether (MTBE) were removed during these activities. No report documenting the mobile groundwater extraction events could be located.

May 1999 Well Installation: In May 1999, Cambria Environmental Technology, Inc. (Cambria) installed groundwater monitoring wells MW-5, MW-6, MW-7, and MW-8. Soil samples collected from boring MW-5 contained maximum concentrations of 10.5 ppm TPHg at 40.5 fbg, 0.0475 ppm benzene at 35.5 fbg, and 2.25 ppm MTBE at 35.5 fbg. Cambria's August 29, 1999 *Well Installation Report* documents these activities.

June 2000 Site Investigation and Risk Based Corrective Action (RBCA) Evaluation: In June 2000, Cambria collected *in-situ* vapor and physical soil property samples and prepared a RBCA analysis of the potential risk to off-site receptors posed by hydrocarbons originating from the site. Six soil borings (B-1 through B-6) were drilled, and soil, soil vapor, and groundwater samples were collected. Soil sample were collected for physical parameter analysis including organic carbon content, moisture content, bulk density, and porosity. The risk evaluation showed that the calculated excess cancer risk posed by the site was below the target risk level of 1×10^{-6} and that off-site conditions at the time did not pose a significant risk to off-site occupants directly adjacent to the site. Water was not detected in B-5 and B-6 and groundwater samples could not be collected from B-3 and B-4. Groundwater samples were collected from B-1 and B-2. No TPHg, benzene, or MTBE was detected in the collected groundwater samples. Cambria's June 27, 2001 *Investigation Report and Risk-Based Corrective Action Analysis* documents these findings.

November 2000 through January 2005 Mobile Dual-Phase Vapor Extraction (DVE): In November 2000, Cambria initiated monthly mobile DVE on wells MW-5 and MW-6 to facilitate hydrocarbon and oxygenate removal from groundwater and the vadose zones. Approximately 131.47 pounds of vapor-phase TPHg and 1.23 pounds of vapor-phase MTBE were removed during these activities. Since UST enhanced-vapor-recovery upgrades occurred in January 2005 and because of the lack of marked effect on concentrations in MW-5 and MW-6, mobile DVE was put on hold following the January 17, 2005 event pending an overall evaluation of the site.

April 2002 Enhanced UST Testing: On April 2 and 3, 2002, Shell voluntarily conducted enhanced testing on the USTs at this site. Enhanced testing included a VacuTect Tank Test of tanks under vacuum conditions. When the VacuTect test indicated a problem with the plus tank, the product was immediately transferred out of tank for investigation, which included tank entry

for visual inspections and further tank tests. No visible cracks were found, but additional layers of fiberglass were added to suspected problem areas. A passing VacuTect test was conducted. Cambria's October 15, 2002 *Subsurface Investigation Work Plan* indicated that the crack was detected in the secondary containment of the tank, but the tank was actually a single-wall vessel and, as previously mentioned, no crack was detected. A problem with the tank was only found during the VacuTect test, which does not necessarily indicate a leak condition.

August 2003 Soil and Water Investigation and Site Conceptual Model: From August 4 through August 7, 2003, Cambria supervised the advancement of six soil borings (SB-1 through SB-4 offsite and SB-6 and SB-7 onsite). The borings were advanced to a total depth of between 48 and 52.5 fbg to define vertical and lateral migration of the contaminate plume and to determine downgradient monitoring well locations. Soil sample results from the investigation indicated neither hydrocarbons nor MTBE impacts to unsaturated soil in the boring locations. However, the groundwater sample results indicated hydrocarbons and MTBE impacts to groundwater, primarily onsite. The site conceptual model was updated and identified one potential downgradient receptor, irrigation well 2S/3W-25L1 located at 566 Estudillo Avenue, which is discussed below. Cambria's November 3, 2003 *Soil and Water Investigation Report, Work Plan, and Site Conceptual Model* documents these activities.

October 2003 Sensitive Receptor Survey (SRS): In October 2003, Cambria completed a SRS 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 was any surface water or sensitive habitats observed within 500 feet. Hospitals, and educational, childcare and residential care facilities were identified at approximately 140, 345, 650, and 670 feet from the site. Bancroft Middle School (1250 Bancroft Avenue) is located approximately 140 feet from the site. The Shelter for Women and Children (1395 Bancroft Avenue) is located approximately 345 feet from the site. Bancroft Convalescent Hospital (1475 Bancroft Avenue) is located approximately 650 feet from the site. Jones Convalescent Hospital (524 Callan Avenue) is located approximately 670 feet from the site.

To update the 1992 well survey performed by Weiss and updated by Cambria in 1998 and 1999, Cambria researched Department of Water Resources (DWR) records in September 2003, and located no additional well records for locations within ½ mile of the site. In addition to numerous wells listed as "irrigation" wells, a number of DWR records identified wells at residential addresses for which no use was listed. The 1992 WA well survey also reviewed Alameda County Public Works well database records, which also listed many of the wells identified in the DWR records search with unknown uses. In the Alameda County listing, several of the wells were listed as "domestic" type wells. Because "domestic" usage may include drinking-water uses, Cambria investigated all three identified downgradient wells within ½ mile with "domestic"

usage noted in the Alameda County Public Works database report to clarify their actual use and current status.

The closest identified "domestic" water well (25L1) is an 88-foot deep well installed in 1952, approximately 150 feet southwest of the site. This well is the active irrigation well identified at the adjacent property, 560 Estudillo Avenue. Cambria confirmed that the well is used only for landscape irrigation by interviewing the property manager and by inspecting the well. The next nearest "domestic" well is located approximately 390 feet east of the site (25K1). Cambria interviewed the property owner's custodian, who verified the well's presence, but also verified that the well is not used. The next nearest "domestic" well is located approximately 1,425 feet south of the site (25P2). Cambria met the property owner who verified that the well had not been used since the early 1980's when the well pump failed.

February 2004 Investigations: Four monitoring wells (MW-9, MW-10, MW-11, and MW-12) and four borings (SB-9, SB-10, SB-11, and SB-12) were installed in February 2004 to define the lateral and vertical extent of MTBE in groundwater and to provide for ongoing groundwater monitoring downgradient of the site. MTBE, TPHg, and benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in any soil samples collected during the current investigation with the exception of samples from well locations MW-9 and MW-10. TPHg and benzene were detected only in the soil sample from on-site well MW-9 from a depth of 35 fbg at concentrations of 820 ppm and 1.0 ppm, respectively. MTBE was detected in the MW-9 soil samples at depths of 25 fbg, 30 fbg, and 35 fbg at concentrations of 0.071 ppm, 0.093 ppm, and 1.0 ppm, respectively. MTBE was also detected at a concentration of 0.017 ppm in a soil sample from off-site well MW-10 at a depth of 39.5 fbg. Since groundwater was encountered at approximately 35 fbg during the current investigation, all the hydrocarbon and/or MTBE impacted samples were from saturated soils or from within the capillary fringe, so the results may be more indicative of chemical concentrations in groundwater.

TPHg was detected only in the on-site grab groundwater samples SB-10-W and SB-11-W at concentrations of 1,100 and 2,600 ppb, respectively. Benzene and MTBE were detected only in the on-site grab groundwater sample SB-11-W at concentrations of 9.1 and 76 ppb, respectively. No toluene, ethylbenzene, or xylenes were detected in any of the grab groundwater samples. No groundwater was encountered in SB-12.

Additionally, an inspection of the off-site irrigation well (25L2) located downgradient of the site at 566 Estudillo Avenue was to be conducted by video inspection to evaluate total depth and screen intervals. The inside of the casing was heavily coated with fine-grained material, making it impossible to determine the top of the screen interval. No screen perforations were visible at or above the 31-fbg level of the water. Occasional circular depressions, which could be screen perforations, were observed at approximately 64 fbg. Due to fine-grained debris in the bottom of the well casing, the maximum explorable depth of the well was 79 fbg. The results of this

investigation are presented in Cambria's April 29, 2004 *Soil and Water Investigation, Monitoring Well Installation, and Irrigation Well Video Inspection Report.*

2005 Dispenser Upgrade Sampling: During January and February of 2005, Armer/Norman & Associates. Inc. of Pacheco, California upgraded the station's fuel system, including the UST sumps and fuel dispensers. Cambria collected four soil samples beneath the replaced dispensers at depths from 4 to 4.5 fbg. TPHg and BTEX concentrations were below the laboratory detection limits in all dispenser soil samples. MTBE was detected in one soil sample (D-3-4.5) at a concentration of 0.0088 ppm. No other analytes were detected in excess of their laboratory detection limit. The results of this investigation are presented in Cambria's March 23, 2005 *Dispenser Upgrade Sampling Report.*

Groundwater Monitoring Program: There are six groundwater monitoring wells (MW-1 through MW-5 and MW-9) on site, six groundwater monitoring wells (MW-6, MW-7, MW-8, MW-10, MW-11, and MW-12) off site, and one monitored irrigation well (IW-1) off site. All 13 wells are sampled quarterly for TPHg, MTBE, and BTEX. During the fourth quarter 2007 sampling event:

- The depth to groundwater measured in the monitoring wells ranged from 36.78 to 40.47 feet below top of well casing. The depth to water in irrigation well IW-1 was measured at 36.42 feet below grade. The groundwater elevations ranged from 26.70 to 27.16 feet above mean sea level.
- Groundwater flows to the southwest at a fairly flat hydraulic gradient of 0.002. This is consistent with previous events for this site.
- TPHg was detected in wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, and MW-10. The maximum concentration observed was 30,000 micrograms per liter (µg/l) in MW-5.
- Benzene was detected in wells MW-1, MW-2, MW-5, MW-6, and MW-9, at concentrations up to 55 µg/l in well MW-9.
- MTBE was detected in wells MW-1, MW-3, MW-4, MW-6, MW-8, MW-9, and MW-10 at concentrations up to 170 µg/l in well MW-9.
- Other volatile organic compounds were reported in various wells. Most are consistent with gasoline fuel; however, some chlorinated hydrocarbons were reported.
    - Of the chlorinated hydrocarbons detected, tetrachloroethene (PCE) was detected in every well except MW-5, MW-9, and MW-10. The maximum concentration of PCE was 5.6 µg/l in well MW-7; and
    - Chloroform was detected in all wells except MW-5, MW-8, and MW-9. The maximum concentration of chloroform was 18 µg/l in MW-11.
- Irrigation well IW-1 did not contain any constituents of concern with the exception of 0.84 µg/l chloroform and 2.8 µg/l PCE.

Attachment B

Standard Field Procedures

CRA

STANDARD FIELD PROCEDURES FOR CONE PENETROMETER TESTING AND SAMPLING

This document describes Conestoga-Rovers & Associates (CRA's) standard field methods for Cone Penetrometer Testing (CPT) and direct-push soil and groundwater sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines.

Use of CPT for logging and soil and groundwater sampling requires separate borings. Typically an initial boring is advanced to estimate soil and groundwater characteristics as described below. To collect soil samples a separate boring must be advanced using a soil sampling device. If groundwater samples are collected, another separate boring must be advanced using a groundwater sampling device. Specific field procedures are summarized below.

Cone Penetrometer Testing (CPT)

Cone Penetrometer Testing is performed by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). Cone Penetrometer Tests (CPT) are carried out by pushing an integrated electronic piezocone into the subsurface. The piezocone is pushed using a specially designed CPT rig with a force capacity of 20 to 25 tons. The piezocones are capable of recording the following parameters:

Tip Resistance (Qc)
Sleeve Friction (Fs)
Pore Water Pressure (U)
Bulk Soil Resistivity (rho) - with an added module

A compression cone is used for each CPT sounding. Piezocones with rated load capacities of 5, 10 or 20 tons are used depending on soil conditions. The 5 and 10 ton cones have a tip area of 10 sq. cm. and a friction sleeve area of 150 sq. cm. The 20 ton cones have a tip area of 15 sq. cm. and a friction sleeve area of 250 sq. cm. A pore water pressure filter is located directly behind the cone tip. Each of the filters is saturated in glycerin under vacuum pressure prior to penetration. Pore Pressure Dissipation Tests (PPDT) are recorded at 5 second intervals during pauses in penetration. The equilibrium pore water pressure from the dissipation test can be used to identify the depth to groundwater.

The measured parameters are printed simultaneously on a printer and stored on a computer disk for future analysis. All CPTs are carried out in accordance with ASTM D-3441. A complete set of baseline readings is taken prior to each sounding to determine any zero load offsets.

The inferred stratigraphic profile at each CPT location is included on the plotted CPT logs. The stratigraphic interpretations are based on relationships between cone bearing (Qc) and friction ratio (Rf). The friction ratio is a calculated parameter (Fs/Qc) used in conjunction with the cone bearing to identify the soil type. Generally, soft cohesive soils have low cone bearing pressures and high friction ratios. Cohesionless soils (sands) have high cone bearing pressures and low friction ratios. The classification of soils is based on correlations developed by Robertson et al (1986). It is not always possible to clearly identify a soil type based on Qc and Rf alone. Correlation with existing soils information and analysis of pore water pressure measurements should also be used in determining soil type.

CPT and sampling equipment are steam-cleaned or washed prior to work and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent. Groundwater samples are decanted into appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

After the CPT probes are removed, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate groundwater depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

Soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon[7] tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable photoionization detector measures volatile hydrocarbon vapor concentrations in the bag=s headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy, and groundwater depth to select soil samples for analysis.

Grab Groundwater Sampling

Groundwater samples are collected from the open borehole using bailers, advancing disposable Tygon[7] tubing into the borehole and extracting groundwater using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

CRA

STANDARD FIELD PROCEDURES FOR SOIL BORING AND MONITORING WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (PG).

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Analysis

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4° C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I, II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

Attachment C

Drilling Permits and Access Agreement

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: 09/06/2007 By jamesy

Application Id: 1189009662855
Site Location: 1285 Bancroft Avenue, San Leandro, CA
Project Start Date: 09/18/2007
Extension Start Date: 11/12/2007
Extension Count: 1

Permit Numbers: W2007-0991
Permits Valid from 11/12/2007 to 11/16/2007
City of Project Site: San Leandro

Applicant: Conestoga-Rovers & Associates - Matthias Kennerknecht
5900 Hollis St #A, Emeryville, CA 94608

Completion Date: 09/25/2007
Extension End Date: 11/16/2007
Extended By: vickyh1

Property Owner:

Client: Shell Oil Products
20945 S Wilmington Avenue, Carson, CA 90810
** same as Property Owner **

Phone: 510-420-3308

Contact: Carmen Rodriguez

Phone: 707-865-1617

Phone: 510-420-3371
Cell: 510-385-0047

Receipt Number: WR2007-0395 **Total Due:** $200.00
Payer Name : Conestoga-Rovers & Associates **Total Amount Paid:** $200.00
Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 8 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: other

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0991	09/06/2007	12/17/2007	8	6.00 in.	90.00 ft

Work Total: $200.00

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.

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

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

to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits irements have been approved or obtained. It shall also be the applicants responsibilities t...

...k shall begin until all the

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: 09/06/2007 By jamesy

Application Id: 1189009662855
Site Location: 1285 Bancroft Avenue, San Leandro, CA
Project Start Date: 09/18/2007
Extension Start Date: 12/27/2007
Extension Count: 2

Permit Numbers: W2007-0991
Permits Valid from 12/27/2007 to 12/28/2007
City of Project Site: San Leandro

Applicant: Conestoga-Rovers & Associates - Matthias Kennerknecht
Property Owner: 5900 Hollis St #A, Emeryville, CA 94608
Client: Shell Oil Products
Contact: 20945 S Wilmington Avenue, Carson, CA 90810
** same as Property Owner **
Carmen Rodriguez

Completion Date: 09/25/2007
Extension End Date: 12/28/2007
Extended By: vickyh1

Phone: 510-420-3308

Phone: 707-865-1617

Phone: 510-420-3371
Cell: 510-385-0047

Receipt Number: WR2007-0395 **Total Due:** $200.00
Payer Name : Conestoga-Rovers & Associates **Total Amount Paid:** $200.00
Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 8 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: other

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0991	09/06/2007	12/17/2007	8	6.00 in.	90.00 ft

Work Total: $200.00

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.

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

or to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground ce Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required t Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits quirements have been approved or obtained. It shall also be the applicants responsibilities to pro...

October 31, 2007

San Leandro Unified School District (SLUSD)
14735 Juniper Street
San Leandro, CA 94579

Re: Request for Access to Property Located at
1200 Bancroft Avenue
San Leandro, California 94577

Dear Mr. Dyer:

As a result of an ongoing environmental assessment at the Shell branded service station located at 1285 Bancroft Avenue, San Leandro, California, **Shell Oil Products US** (**"SOPUS"**) has been advised that there may hydrocarbons (gasoline, oil, etc.) in or about the property located at 1200 Bancroft Avenue, San Leandro, California, in the vicinity of the service station. Therefore, on behalf of SOPUS we request permission to enter your property and perform the work outlined below to determine if hydrocarbons originating from the Shell service station are present and remediate such hydrocarbons as may be required by applicable law.

The work to be performed includes drilling a cluster of four cone penetrometer test (CPT) borings to determine lithology, obtain groundwater grab samples, and/or other activities that SOPUS deems necessary to comply with all applicable federal, state and local statutes, regulations, ordinances, directives, orders and standards governing underground storage tank systems and the assessment or remediation of petroleum hydrocarbons. The CPT borings will be drilled in the concrete walkway area adjacent to the main entrance of Bancroft Middle School at the location indicated as CPT-1 on the attached site map. Following drilling and sampling, the borings will be backfilled with Portland cement and topped with concrete to current grade.

A licensed contractor retained by SOPUS will perform the above work. This work is being performed on behalf of SOPUS to comply with the environmental requirements of the State of California.

The work may result in minor disruptions of the normal use of this property. The property will be restored to its approximate former condition as soon as possible after we have ascertained if hydrocarbons from the Shell service station are present and, to the extent required, such hydrocarbons have been remediated. SOPUS agrees to indemnify SLUSD

from any and all claims by third parties arising out of the work performed by SOPUS under this agreement.

Please sign below to signify your consent and return this letter with the attachments in the enclosed stamped envelope.

We appreciate your cooperation in this matter and would appreciate your timely response. If you have any questions, please call Ana Friel (707) 286-3812 or Peter Schaefer at (510) 420-3319.

Very truly yours,

SHELL OIL PRODUCTS US

By: _____
Denis L. Brown
Project Manager

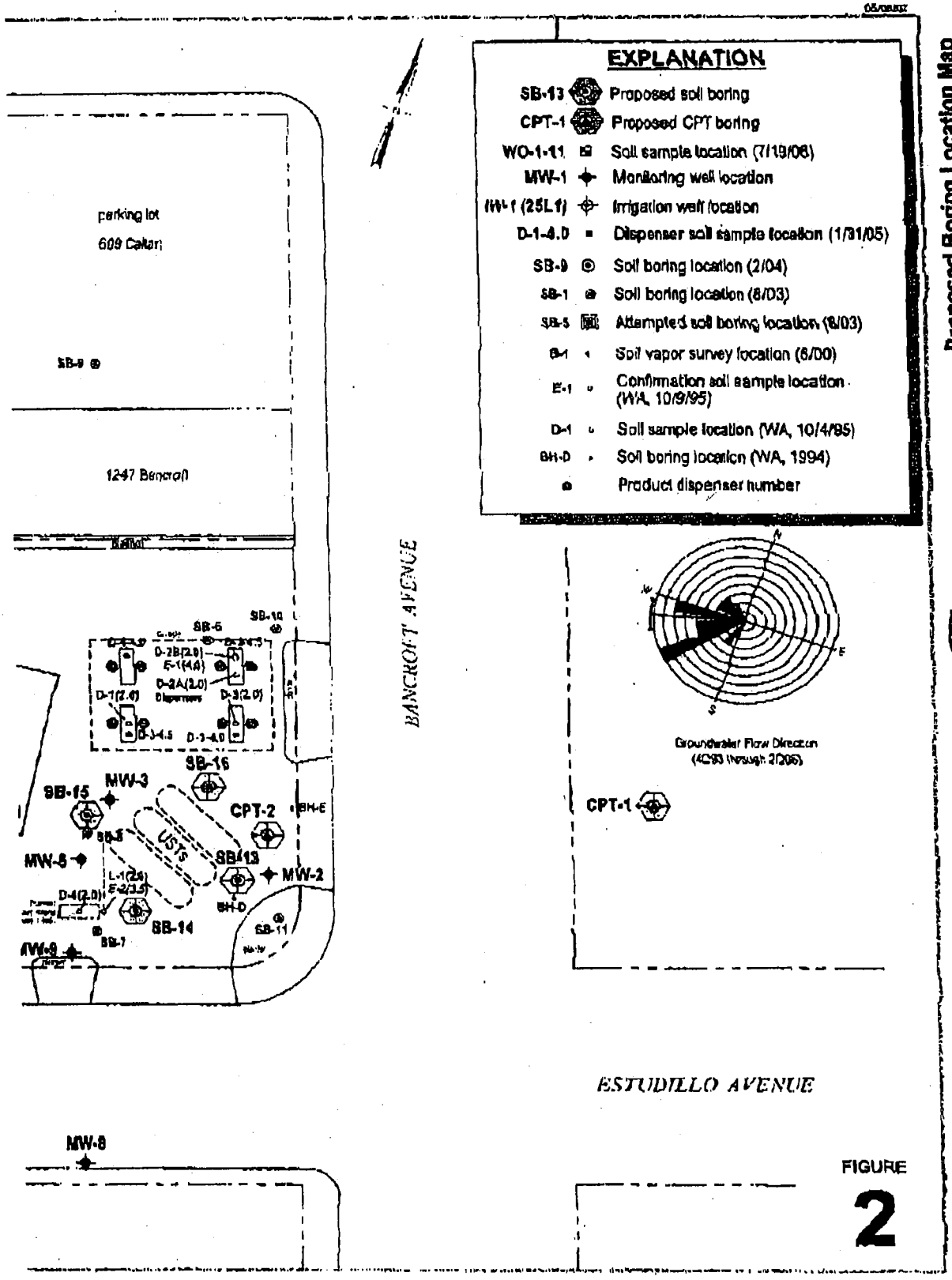
I have reviewed your request and I hereby consent to the entry by Equilon Enterprises LLC dba Shell Oil Products US upon the property for the purpose of performing the work described herein. I understand that San Leandro Unified School District may be prevented from using a portion of the property and I agree to the minor disruption of the normal use of the premises as described.

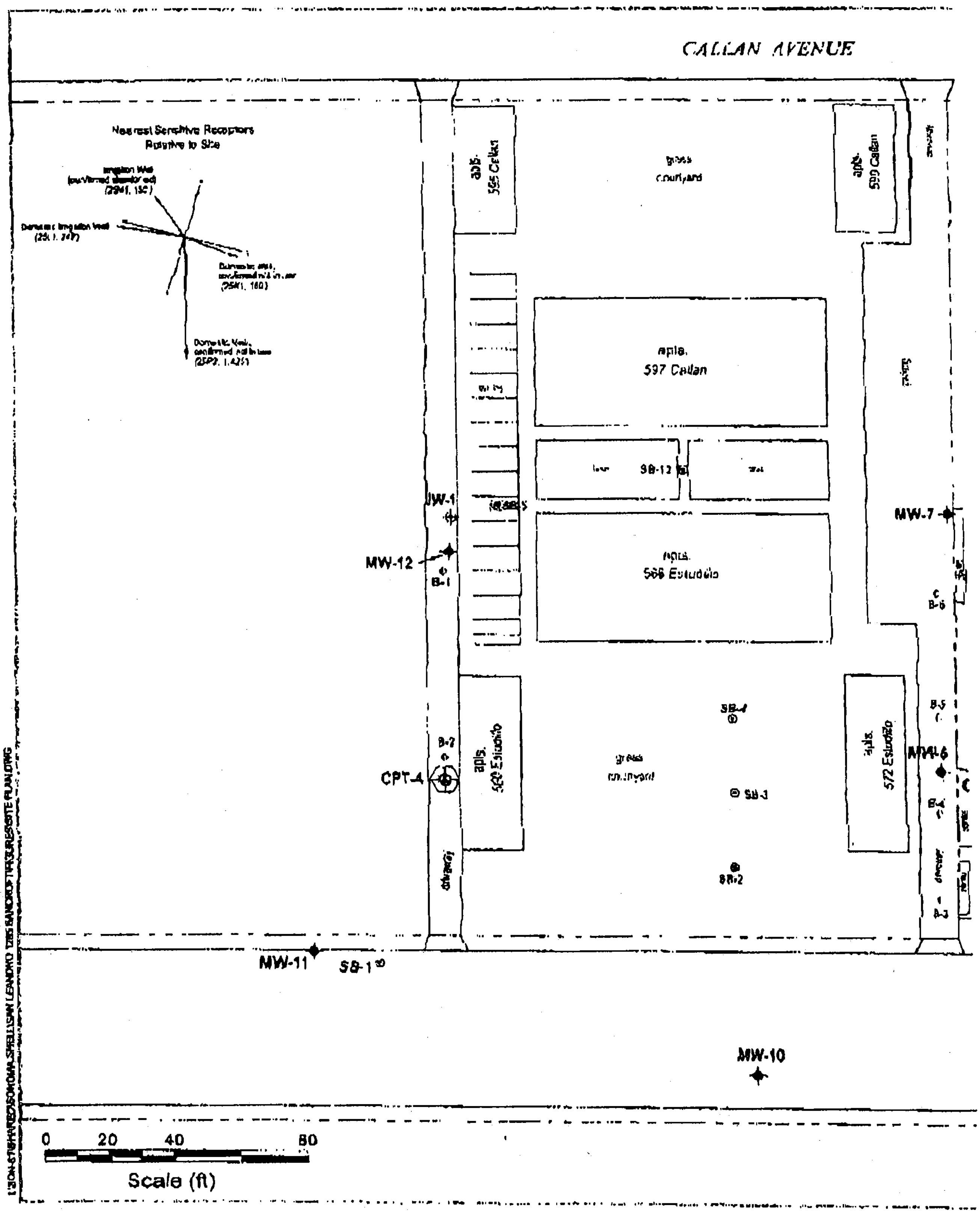
I further represent and warrant that I am authorized by San Leandro Unified School District, the owner of the property located at 1200 Bancroft Avenue, San Leandro, California, to provide the consent given above.

Mr. Greg Dyer

By: _____

Date: 11/1/07


EXPLANATION
SB-13 Proposed soil boring
CPT-1 Proposed CPT boring
WO-1-11 Soil sample location (7/19/06)
MW-1 Monitoring well location
IW-1 (25L1) Irrigation well location
D-1-4.0 Dispenser soil sample location (1/31/05)
SB-9 Soil boring location (2/04)
SB-1 Soil boring location (8/03)
SB-5 Attempted soil boring location (8/03)
B-1 Soil vapor survey location (6/00)
E-1 Confirmation soil sample location (WA, 10/9/95)
D-1 Soil sample location (WA, 10/4/95)
BH-D Soil boring location (WA, 1994)
Product dispenser number
Proposed Boring Location Map
parking lot
609 Calan
1247 Bancroft
BANCROFT AVENUE
ESTUDILLO AVENUE
SB-9
SB-6
SB-10
SB-16
SB-15
MW-3
CPT-2
BH-E
SB-8
USTs
SB-13
MW-2
MW-8
BH-D
SB-14
SB-11
SB-7
MW-9
MW-8
CPT-1
Groundwater Flow Direction
(4Q93 through 2Q05)
CONESTOGA-ROVERS & ASSOCIATES
Shell-branded Service Station
1265 Bancroft Avenue
San Leandro, California
FIGURE
2


CALLAN AVENUE
Nearest Sensitive Receptors Relative to Site
apts. 595 Callan
grass courtyard
apts. 599 Callan
apts. 597 Callan
SB-12
MW-1
MW-12
B-1
apts. 566 Estudillo
MW-7
B-6
SB-4
B-2
CPT-4
apts. 560 Estudillo
grass courtyard
SB-3
apts. 572 Estudillo
MW-6
B-5
B-4
SB-2
driveway
B-3
MW-11
SB-1
MW-10
0 20 40 80
Scale (ft)

Attachment D

CPT Logs and Boring Logs

Conestoga-Rovers & Associates
5900 Hollis St., Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-16
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	16-Nov-07
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	16-Nov-07
PROJECT NUMBER	240504-008	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger		
BORING DIAMETER	8"	**SCREENED INTERVALS**	NA
LOGGED BY	Carmen Rodriguez	**DEPTH TO WATER (First Encountered)**	37.0 fbg (16-Nov-07) ▽
REVIEWED BY	A. Friel	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	
							CONCRETE	0.5	
							SILT (ML); very dark gray (2.5Y 3/1); dry; 15% clay, 83% silt, 2% medium gravel; low plasticity.		
							@ 3' - 20% clay, 80% silt; medium plasticity.		
				5					
				10			@ 10' - dark brown (7.5YR 3/2).		
0.0		SB-16 -10.5					@ 11' - 15% clay, 85% silt.		
					ML		@12' - 10% clay, 85% silt, 5% fine sand.		
				15					
							@16' - 10% clay, 83% silt, 5% fine sand, 2% fine gravel.		
							@ 17' - brown (7.5YR 4/3);10% clay, 90% silt.		
							@ 18' - 10% clay, 85% silt, 5% fine gravel; low to medium plasticity.		
0.0		SB-16 -20		20			@ 20' - dark grayish brown (10YR 4/2); 5% clay, 85% silt, 10% fine sand.		
0.0		SB-16 -21.5					@ 21' - dark grayish brown (2.5Y 4/2);		
							@ 22' - dark greenish gray (Gley 1 3/10Y);		
									◄ Portland Type I/II
				25			@ 24' - 10% clay, 80% silt, 5% fine sand, 5% fine gravel; medium plasticity.		
								26.0	
0.0		SB-16 -26			ML		**SILT with Sand (ML)**; dark greenish gray (Gley 1 4/10Y); moist; 5% clay, 70% silt, 15% fine to medium sand, 10% fine to medium gravel; low plasticity.		
								28.0	
							SILT (ML);dark grayish brown (2.5Y 4/2); moist; 5% clay, 90% silt, 5% fine sand; low plasticity.		
				30			@ 29'- very dark grayish brown (2.5Y 3/2); 5% clay, 90%		

WELL LOG (PID) C:\DOCUME~1\LGOLDF~1\DESKTOP\SNL1285.GPJ DEFAULT.GDT 1/17/08

Continued Next Page

Conestoga-Rovers & Associates
5900 Hollis St., Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-16
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	16-Nov-07
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	16-Nov-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0		SB-16 -30			ML		silt, 5% fine gravel. @ 30' - olive brown (2.5Y 4/3); dry; 5% clay, 90% silt; 5% fine sand; 5% fine gravel. @ 32' - dark grayish brown (2.5Y 4/2); @ 32.5' - dark grayish brown (10YR 4/2);		
4.0				35			@ 35' - 10% clay, 85% silt, 5% fine sand.		
7.3							▽	37.0	
155					SM		**Silty SAND with Gravel (SM)** dark greenish gray (Gley 1 3/10Y); wet; 15% silt, 65% sand, 20% gravel; low plasticity. @ 38' - moist; 20% silt, 75% sand, 5% fine gravel.	39.0	
25				40			**SILT (ML)**; dark greenish gray (Gley 1 3/10Y); moist; 5% clay, 90% silt; 5% fine sand; low plasticity.		
10		SB-16 -40.5			ML		@ 42' - dark greenish gray (Gley 1 4/10Y); dry; 20% clay, 80% silt; medium plasticity.	43.0	
0.8					ML		**SILT with Sand (ML)**; dark greenish gray (Gley 1 4/10Y); wet; 80% silt, 20% fine sand; low plasticity.	43.5	
0.9					ML		**SILT (ML)**; dark greenish gray (Gley 1 4/10Y); moist; 5% clay, 90% silt, 5% fine gravel; low plasticity.	44.0	
0.7				45	ML		**Silty SAND (SM)**; dark greenish gray (Gley 1 4/10Y); moist; 5% clay, 20% silt, 75% fine sand; low plasticity. **SILT (ML)**; dark greenish gray (Gley 1 4/10Y); moist; 15% clay, 80% silt, 5% gravel; medium plasticity.	44.5 47.0	Bottom of Boring @ 46 fbg

WELL LOG (PID) C:\DOCUME~1\LGOLDF~1\DESKTOP\SNL1285.GPJ DEFAULT.GDT 1/17/08

GREGG IN SITU, INC.

GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

January 4, 2008

CRA
Attn: Peter Schaefer
5900 Hollis Street, Suite A
Emeryville, California 94608

Subject: CPT Site Investigation
1285 Bancroft
San Leandro, California
GREGG Project Number: 08-005MA

Dear Mr. Schaefer:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	☐
6	Groundwater Sampling	(GWS)	☒
7	Soil Sampling	(SS)	☐
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,
GREGG Drilling & Testing, Inc.

Mary Walden
Operations Manager

Cone Penetration Test Sounding Summary

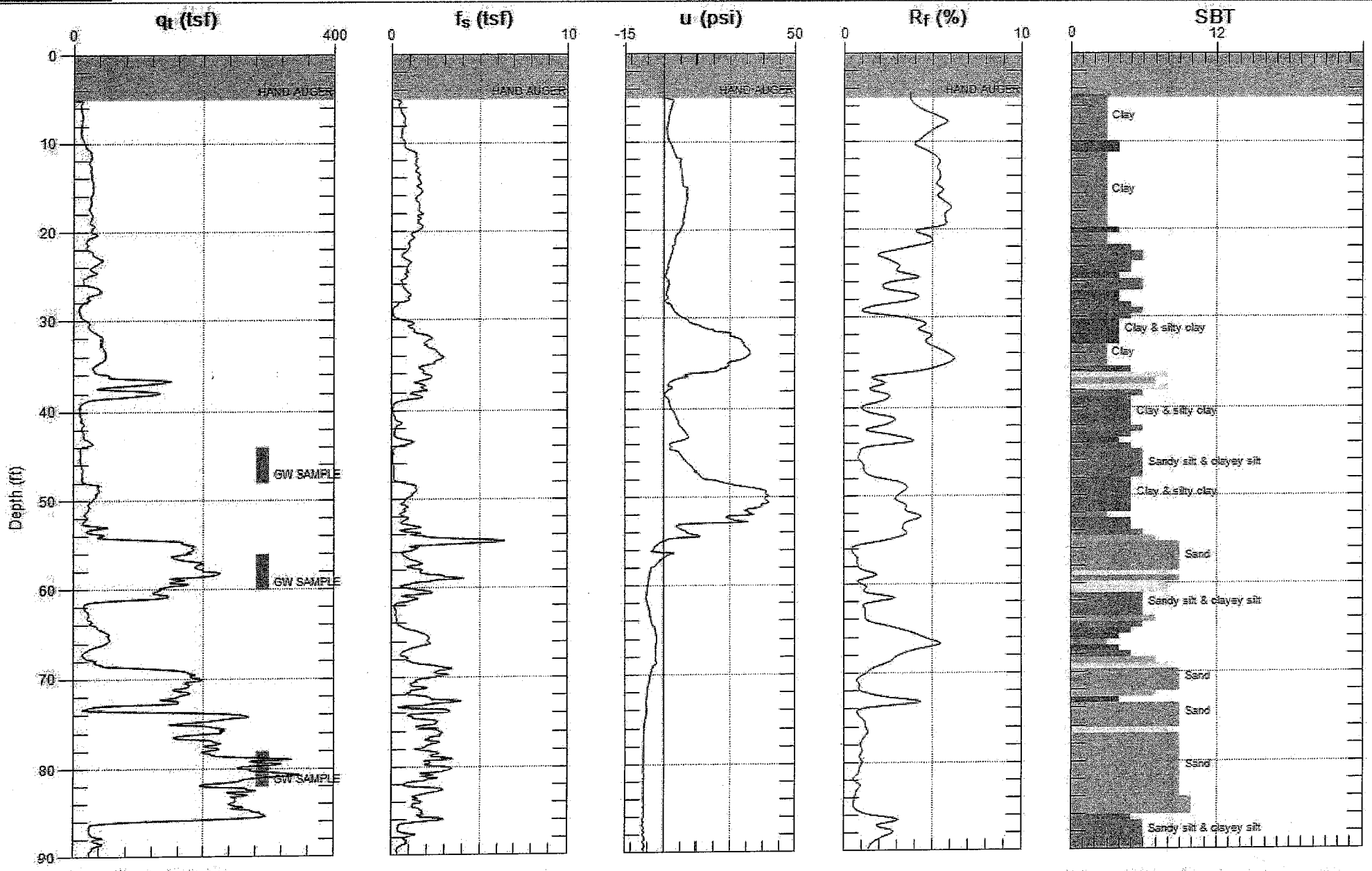
-Table 1-

CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-01	1/03/08	90	48, 60, 82	-	56.1

GREGG **CRA**

Site: 1285 BANCROFT
Sounding: CPT-01

Engineer: P.SHAEFER
Date: 1/3/2008 08:03



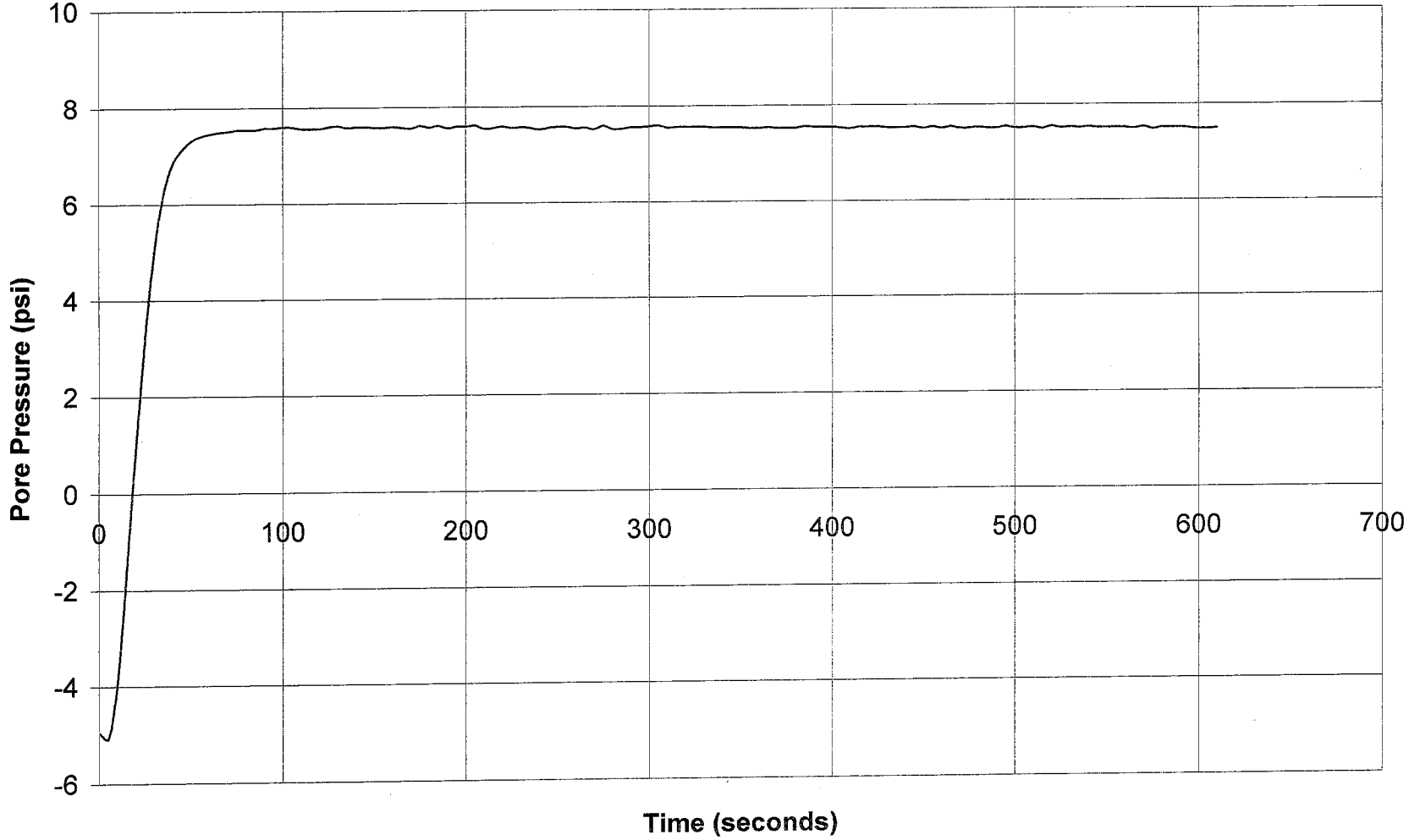
Max. Depth: 90.059 (ft)
Avg. Interval: 0.656 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: CPT-01
Depth: 56.102
Site: 1285 BANCROFT
Engineer: P.SCHAEFER



APPENDIX CPT

Cone Penetration Testing Procedure (CPT)

Gregg In Situ, Inc. carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm^2 and a friction sleeve area of 225 cm^2. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and penetration pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2000) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

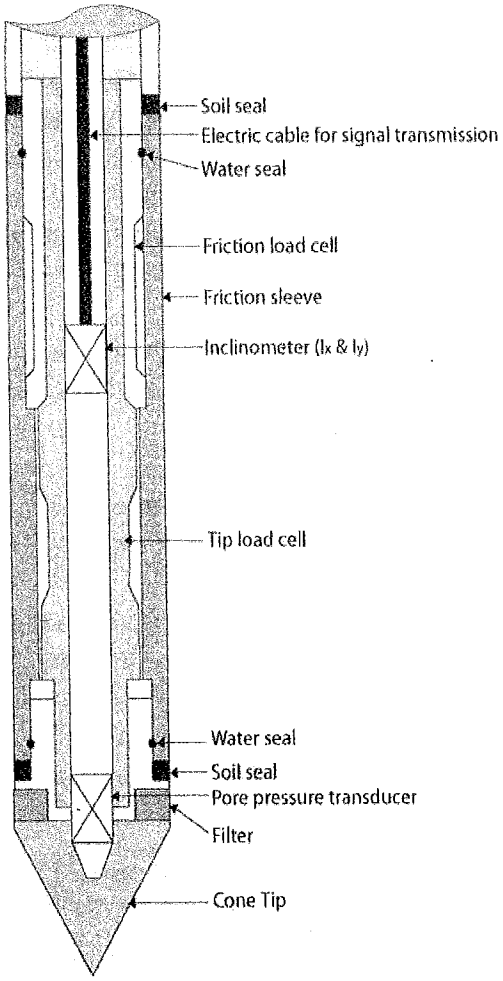


Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.

Cone Penetration Test (CPT) Interpretation

Gregg have recently updated their CPT interpretation and plotting software (2007). The software takes the CPT data and performs basic interpretation in terms of soil behavior type (SBT) and various geotechnical parameters using current published empirical correlations based on the comprehensive review by Lunne, Robertson and Powell (1997). The interpretation is presented in tabular format using MS Excel. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

The following provides a summary of the methods used for the interpretation. Many of the empirical correlations to estimate geotechnical parameters have constants that have a range of values depending on soil type, geologic origin and other factors. The software uses 'default' values that have been selected to provide, in general, conservatively low estimates of the various geotechnical parameters.

Input:

1 Units for display (Imperial or metric) (atm. pressure, pa = 0.96 tsf or 0.1 MPa)
2 Depth interval to average results,(ft or m). Data are collected at either 0.02 or 0.05m and can be averaged every 1, 3 or 5 intervals.
3 Elevation of ground surface (ft or m)
4 Depth to water table, z_w (ft or m) – input required
5 Net area ratio for cone, a (default to 0.80)
6 Relative Density constant, C_{Dr} (default to 350)
7 Young's modulus number for sands, α (default to 5)
8 Small strain shear modulus number
  a. for sands, S_G (default to 180 for SBT_n 5, 6, 7)
  b. for clays, C_G (default to 50 for SBT_n 1, 2, 3 & 4)
9 Undrained shear strength cone factor for clays, N_{kt} (default to 15)
10 Over Consolidation ratio number, k_{ocr} (default to 0.3)
11 Unit weight of water, (default to $\gamma_w = 62.4$ lb/ft^3 or 9.81 kN/m^3)

Column

1 Depth, z, (m) – CPT data is collected in meters
2 Depth (ft)
3 Cone resistance, q_c (tsf or MPa)
4 Sleeve friction, f_s (tsf or MPa)
5 Penetration pore pressure, u (psi or MPa), measured behind the cone (i.e. u_2)
6 Other – any additional data, if collected, e.g. electrical resistivity or UVIF
7 Total cone resistance, q_t (tsf or MPa) $q_t = q_c + u(1-a)$

8	Friction Ratio, R_f (%)	$R_f = (f_s/q_t) \times 100\%$
9	Soil Behavior Type (non-normalized), SBT	see note
10	Unit weight, γ (pcf or kN/m^3)	based on SBT, see note
11	Total overburden stress, σ_v (tsf)	$\sigma_{vo} = \gamma z$
12	Insitu pore pressure, u_o (tsf)	$u_o = \gamma_w (z - z_w)$
13	Effective overburden stress, σ'_{vo} (tsf)	$\sigma'_{vo} = \sigma_{vo} - u_o$
14	Normalized cone resistance, Q_{t1}	$Q_{t1} = (q_t - \sigma_{vo}) / \sigma'_{vo}$
15	Normalized friction ratio, F_r (%)	$F_r = f_s / (q_t - \sigma_{vo}) \times 100\%$
16	Normalized Pore Pressure ratio, B_q	$B_q = u - u_o / (q_t - \sigma_{vo})$
17	Soil Behavior Type (normalized), SBT_n	see note
18	SBT_n Index, I_c	see note
19	Normalized Cone resistance, Q_{tn} (n varies with Ic)	see note
20	Estimated permeability, k_{SBT} (cm/sec or ft/sec)	see note
21	Equivalent SPT N_{60}, blows/ft	see note
22	Equivalent SPT $(N_1)_{60}$ blows/ft	see note
23	Estimated Relative Density, D_r, (%)	see note
24	Estimated Friction Angle, ϕ', (degrees)	see note
25	Estimated Young's modulus, E_s (tsf)	see note
26	Estimated small strain Shear modulus, Go (tsf)	see note
27	Estimated Undrained shear strength, s_u (tsf)	see note
28	Estimated Undrained strength ratio	s_u/σ_v'
29	Estimated Over Consolidation ratio, OCR	see note

Notes:

1 Soil Behavior Type (non-normalized), SBT — Lunne et al. (1997) listed below

2 Unit weight, γ either constant at 119 pcf or based on Non-normalized SBT (Lunne et al., 1997 and table below)

3 Soil Behavior Type (Normalized), SBT_n — Lunne et al. (1997)

4 SBT_n Index, I_c — $I_c = ((3.47 - \log Q_{t1})^2 + (\log F_r + 1.22)^2)^{0.5}$

5 Normalized Cone resistance, Q_{tn} (n varies with Ic)

$Q_{tn} = ((q_t - \sigma_{vo})/pa)\ (pa/(\sigma'_{vo})^n$ and recalculate I_c, then iterate:

When $I_c < 1.64$, $n = 0.5$ (clean sand)
When $I_c > 3.30$, $n = 1.0$ (clays)
When $1.64 < I_c < 3.30$, $n = (I_c - 1.64)0.3 + 0.5$
Iterate until the change in n, $\Delta n < 0.01$

6 Estimated permeability, k_{SBT} (based on Normalized SBT_n) (Lunne et al., 1997 and table below)

7 Equivalent SPT N_{60}, blows/ft — Lunne et al. (1997)

$$\frac{(q_t/p_a)}{N_{60}} = 8.5\left(1 - \frac{I_c}{4.6}\right)$$

8 Equivalent SPT $(N_1)_{60}$ blows/ft — $(N_1)_{60} = N_{60}\, C_N$,
where $C_N = (pa/\sigma'_{vo})^{0.5}$

9 Relative Density, D_r, (%) — $D_r^2 = Q_{tn} / C_{Dr}$
Only SBT_n 5, 6, 7 & 8 — *Show 'N/A' in zones 1, 2, 3, 4 & 9*

10 Friction Angle, ϕ', (degrees) — $\tan\phi' = \frac{1}{2.68}\left[\log\left(\frac{q_c}{\sigma'_{vo}}\right) + 0.29\right]$
Only SBT_n 5, 6, 7 & 8 — *Show 'N/A' in zones 1, 2, 3, 4 & 9*

11 Young's modulus, E_s — $E_s = \alpha\, q_t$
Only SBT_n 5, 6, 7 & 8 — *Show 'N/A' in zones 1, 2, 3, 4 & 9*

12 Small strain shear modulus, Go
a. $G_o = S_G (q_t\ \sigma'_{vo}\ pa)^{1/3}$ — *For SBT_n 5, 6, 7*
b. $G_o = C_G\, q_t$ — *For SBT_n 1, 2, 3& 4*
Show 'N/A' in zones 8 & 9

13 Undrained shear strength, s_u — $s_u = (q_t - \sigma_{vo}) / N_{kt}$
Only SBT_n 1, 2, 3, 4 & 9 — *Show 'N/A' in zones 5, 6, 7 & 8*

14 Over Consolidation ratio, OCR — $OCR = k_{ocr}\, Q_{t1}$
Only SBT_n 1, 2, 3, 4 & 9 — *Show 'N/A' in zones 5, 6, 7 & 8*

SBT Zones		**SBT_n Zones**	
The following updated and simplified SBT descriptions have been used in the software:			
1	sensitive fine grained	1	sensitive fine grained
2	organic soil	2	organic soil
3	clay	3	clay
4	clay & silty clay	4	clay & silty clay
5	clay & silty clay		
6	sandy silt & clayey silt		
7	silty sand & sandy silt	5	silty sand & sandy silt
8	sand & silty sand	6	sand & silty sand
9	sand		
10	sand	7	sand
11	very dense/stiff soil*	8	very dense/stiff soil*
12	very dense/stiff soil*	9	very dense/stiff soil*

* heavily overconsolidated and/or cemented

Track when soils fall with zones of same description and print that description (i.e. if soils fall only within SBT zones 4 & 5, print 'clays & silty clays')

Estimated Permeability (see Lunne et al., 1997)

SBT_n	Permeability (ft/sec)	(m/sec)
1	$3x\ 10^{-8}$	$1x\ 10^{-8}$
2	$3x\ 10^{-7}$	$1x\ 10^{-7}$
3	$1x\ 10^{-9}$	$3x\ 10^{-10}$
4	$3x\ 10^{-8}$	$1x\ 10^{-8}$
5	$3x\ 10^{-6}$	$1x\ 10^{-6}$
6	$3x\ 10^{-4}$	$1x\ 10^{-4}$
7	$3x\ 10^{-2}$	$1x\ 10^{-2}$
8	$3x\ 10^{-6}$	$1x\ 10^{-6}$
9	$1x\ 10^{-8}$	$3x\ 10^{-9}$

Estimated Unit Weight (see Lunne et al., 1997)

SBT	Approximate Unit Weight (lb/ft^3)	(kN/m^3)
1	111.4	17.5
2	79.6	12.5
3	111.4	17.5
4	114.6	18.0
5	114.6	18.0
6	114.6	18.0
7	117.8	18.5
8	120.9	19.0
9	124.1	19.5
10	127.3	20.0
11	130.5	20.5
12	120.9	19.0

GREGG IN SITU, INC.

GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

November 20, 2007

CRA
Attn: Carmen Rodriguez
5900 Hollis St., Suite A
Emeryville, California 94608

Subject: CPT Site Investigation
Shell, 1285 Bancroft Ave.
San Leandro, California
GREGG Project Number: 07-341MA

Dear Ms. Rodriguez:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	☐
6	Groundwater Sampling	(GWS)	☒
7	Soil Sampling	(SS)	☐
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,
GREGG Drilling & Testing, Inc.

Mary Walden
Operations Manager

Cone Penetration Test Sounding Summary

-Table 1-

CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-02	11/14/07	28	-	-	-
CPT-02a	11/15/07	90	49, 60, 79	-	-
CPT-03	11/14/07	90	40NR, 57, 79	-	54.3
CPT-04	11/15/07	90	41NR, 60, 83	-	64.6, 77.8

Pore Pressure Dissipation Tests (PPDT)

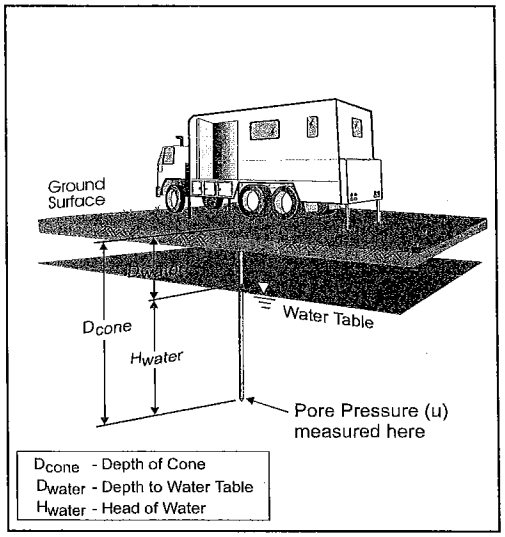
Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPaT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.
Pore pressure dissipation data can be interpreted to provide estimates of:

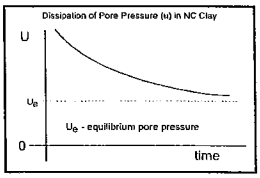
- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permeability (k_h)

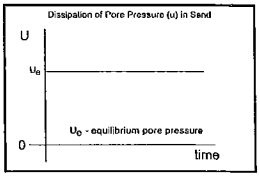
In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time, *Figure PPDT*. This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

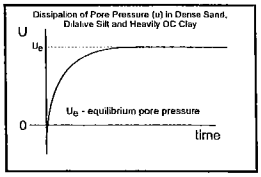
A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992.

A summary of the pore pressure dissipation tests is summarized in Table 1. Pore pressure dissipation data is presented in graphical form in Appendix PPaT.









Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors: 1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

Figure PPDT

APPENDIX GWS

Groundwater Sampling (GWS)

Gregg In Situ, Inc. conducts groundwater sampling using a Hydropunch® type groundwater sampler, *Figure GWS*. The groundwater sampler has a retrievable stainless steel or disposable PVC screen with steel drop off tip. This allows for samples to be taken at multiple depth intervals within the same sounding location. In areas of slower water recharge, provisions may be made to set temporary PVC well screens during sampling to allow the drill rig to advance to the next sample location while the groundwater is allowed to infiltrate.

The groundwater sampler operates by advancing 1 ¾ inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods are retracted; exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen. A small diameter bailer (approximately ½ or ¾ inch) is lowered through the push rods into the screen section for sample collection. The number of downhole trips with the bailer and time necessary to complete the sample collection at each depth interval is a function of sampling protocols, volume requirements, and the yield characteristics and storage capacity of the formation. Upon completion of sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip are retrieved to the ground surface, decontaminated and prepared for the next sampling event.

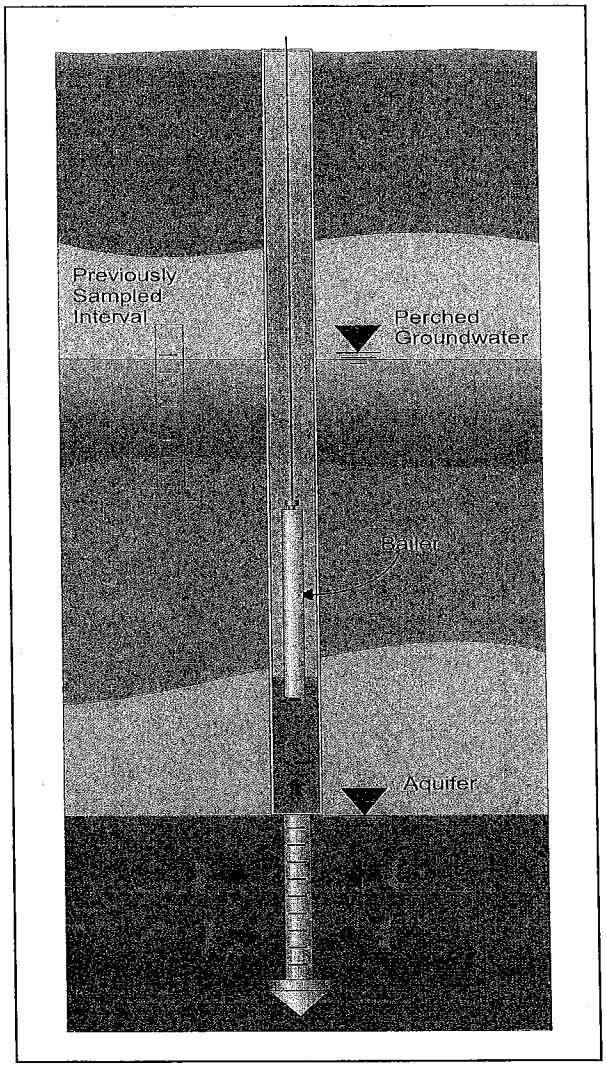


Figure GWS

A summary of the groundwater samples collected, including the sampling date, depth and location identification, is presented in Table 1 and the corresponding CPT plot .

For a detailed reference on direct push groundwater sampling, refer to Zemo et. al., 1992.

Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 23750, 1997

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Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986 pp. 791-803.

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Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 23750, 1997

Roberston, P.K., "Soil Classification using the Cone Penetration Test", Canadian Geotechnical Journal, Vol. 27, 1990 pp. 151-158.

Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986 pp. 791-803.

Robertson, P.K., Sully, J., Woeller, D.J., Lunne, T., Powell, J.J.M., and Gillespie, D.J., "Guidelines for Estimating Consolidation Parameters in Soils from Piezocone Tests", Canadian Geotechnical Journal, Vol. 29, No. 4, August 1992, pp. 539-550.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

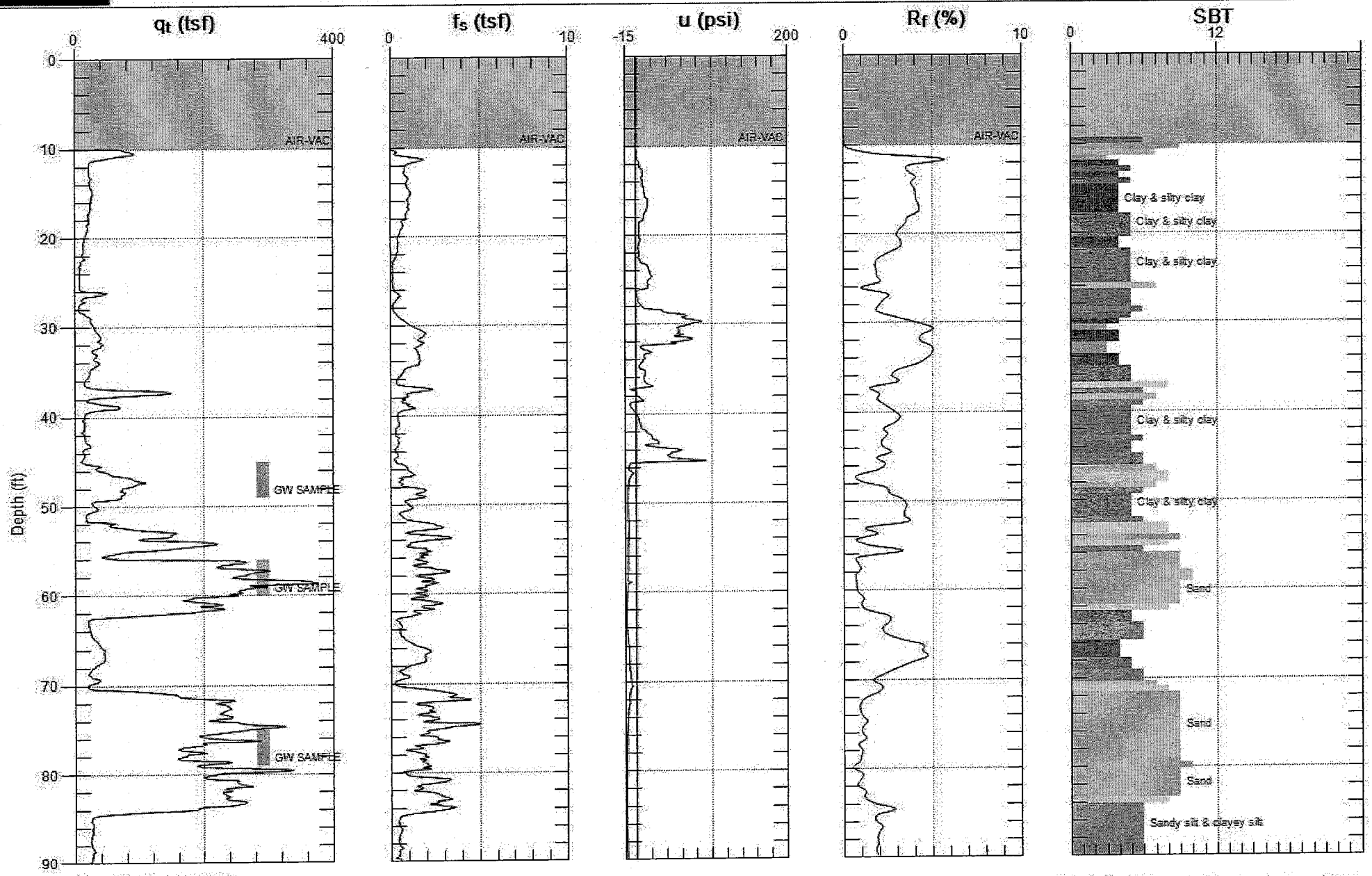
Copies of ASTM Standards are available through www.astm.org

GREGG

CRA

Site: SHELL 1285 BANCROFT Engineer: C.RODRIGUEZ

Sounding: CPT-02a Date: 11/15/2007 01:15



Max. Depth: 90.059 (ft)

Avg. Interval: 0.656 (ft)

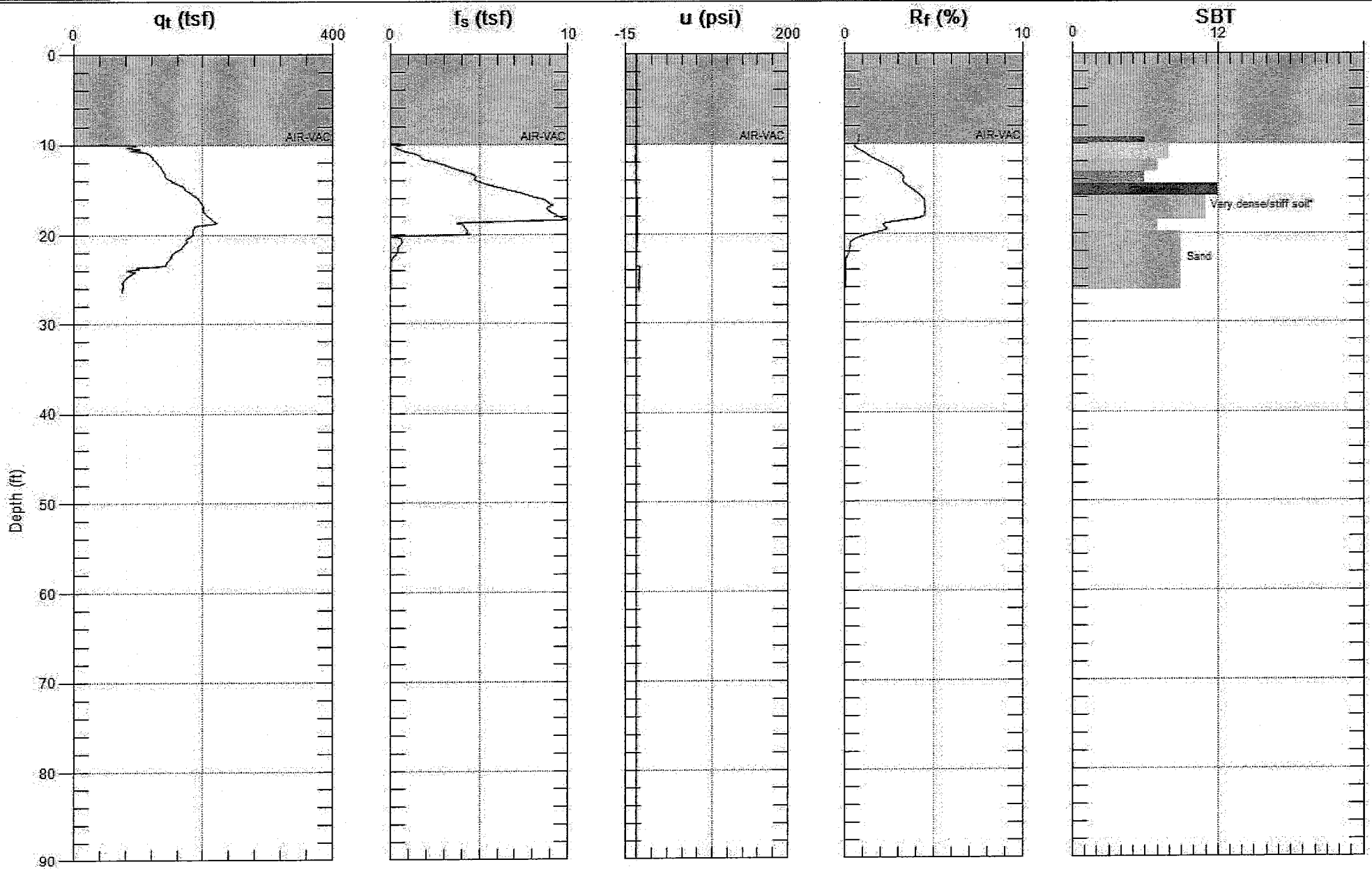
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: SHELL 1285 BANCROFT Engineer: C.RODRIGUEZ

Sounding: CPT-02 Date: 11/14/2007 08:29



Max. Depth: 26.411 (ft)
Avg. Interval: 0.656 (ft)

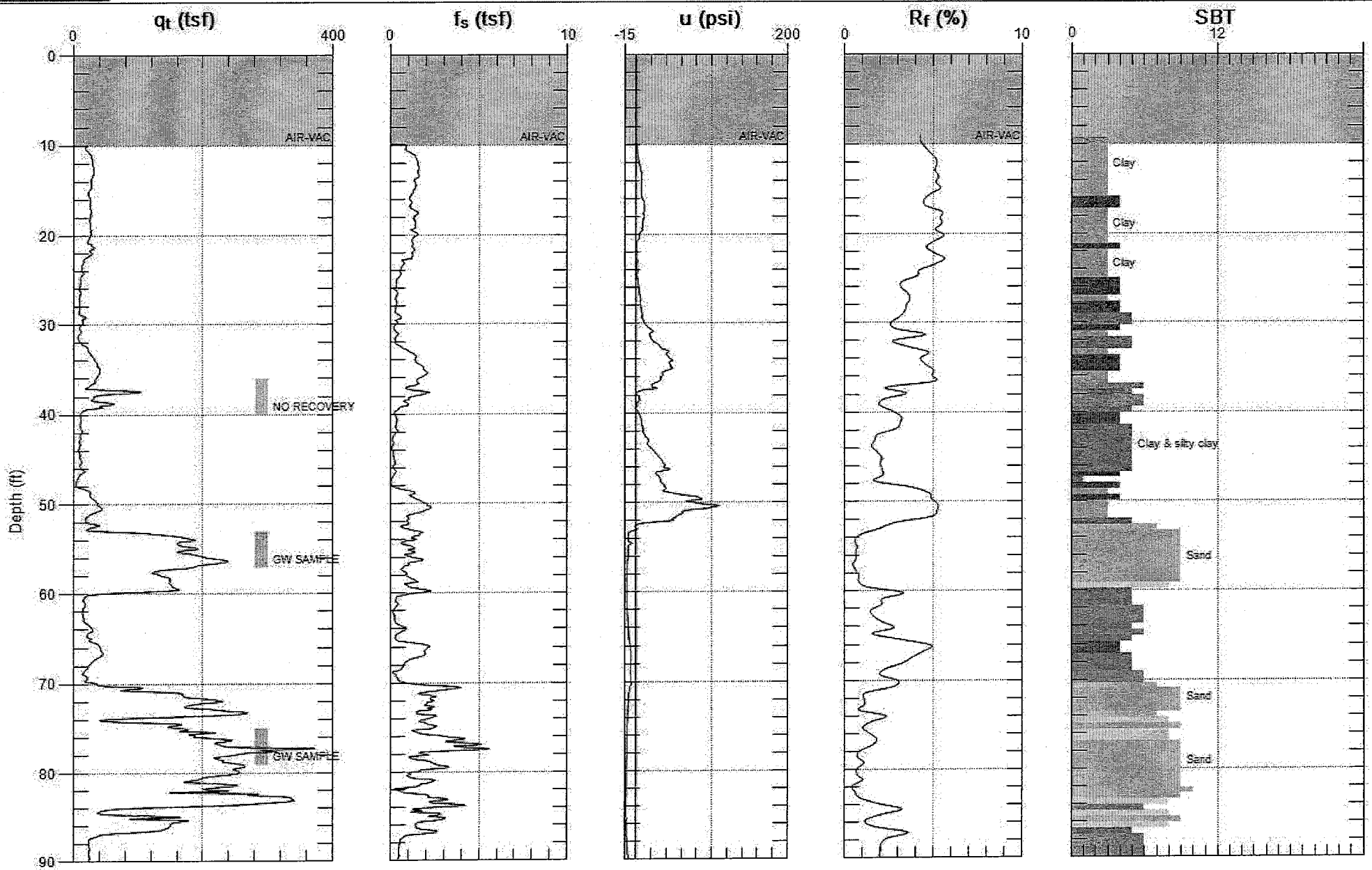
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: SHELL 1285 BANCROFT Engineer: C.RODRIGUEZ

Sounding: CPT-03 Date: 11/14/2007 10:38



Max. Depth: 90.059 (ft)
Avg. Interval: 0.656 (ft)

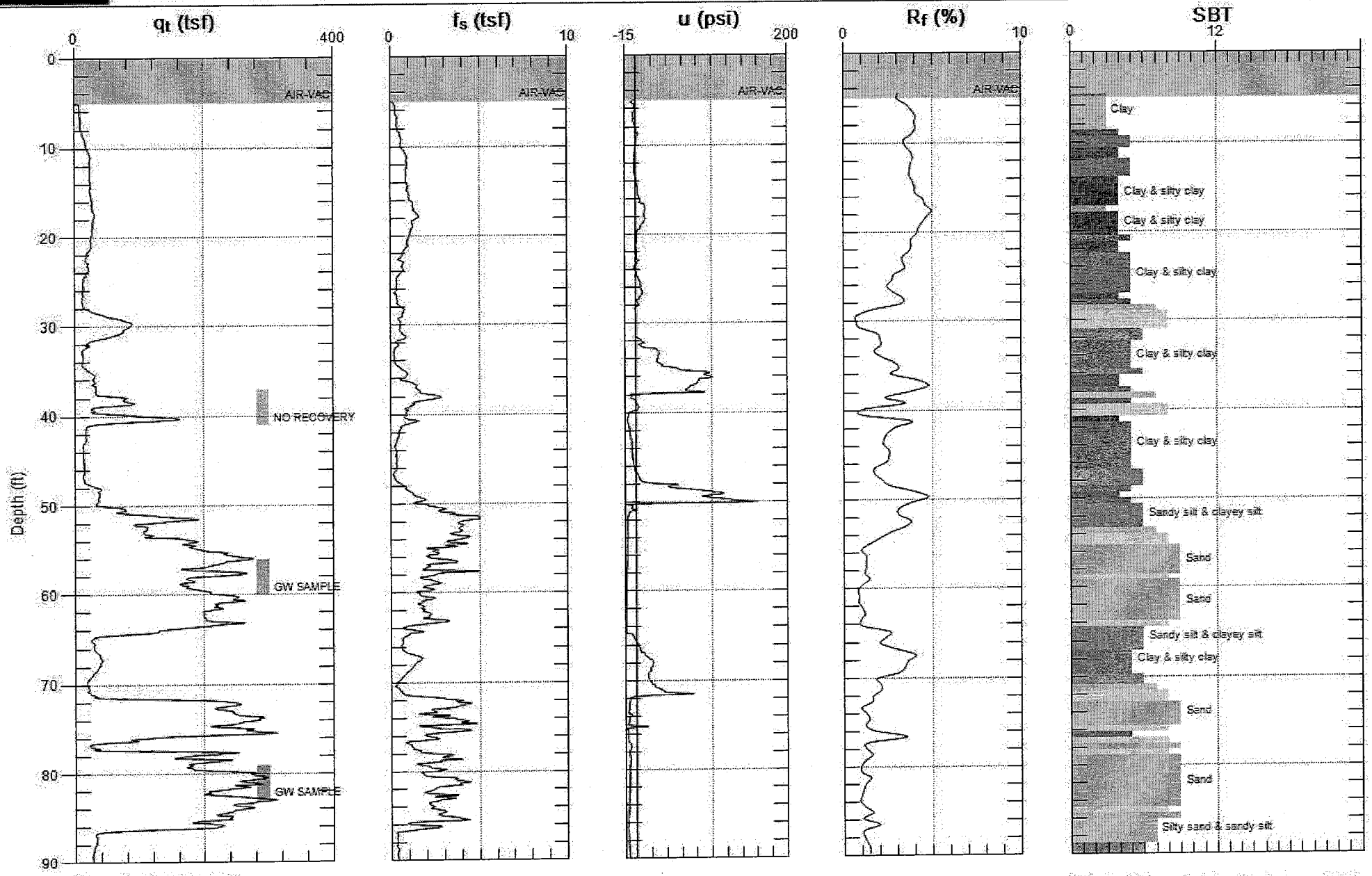
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: SHELL 1285 BANCROFT Engineer: C.RODRIGUEZ

Sounding: CPT-04 Date: 11/15/2007 10:29



Max. Depth: 90.059 (ft)
Avg. Interval: 0.656 (ft)

SBT: Soil Behavior Type (Robertson 1990)

Attachment E

Laboratory Analytical Reports

Calscience
Environmental
Laboratories, Inc.

November 28, 2007

Ana Friel
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.: 07-11-1439**
Client Reference: 1285 Bancroft Ave., San Leandro, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/17/2007 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.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1439
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-3-53-57'	07-11-1439-1	11/14/07	Aqueous	GC 24	11/19/07	11/19/07	071119B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	100	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-3-75-79'	07-11-1439-2	11/14/07	Aqueous	GC 24	11/19/07	11/19/07	071119B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	84	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-436-1,155	N/A	Aqueous	GC 24	11/19/07	11/19/07	071119B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	74	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received:	11/17/07
Work Order No:	07-11-1439
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-3-53-57'	07-11-1439-1	11/14/07	Aqueous	GC/MS T	11/24/07	11/24/07	071124L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	13	50	6.3	1	J	c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	0.54	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	3.5	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	ND	10	4.3	1	
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	0.57	10	0.50	1	J
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	0.51	1.0	0.12	1	J
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	3.7	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	0.56	1.0	0.27	1	J
Chloroform	1.7	1.0	0.24	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	3.1	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	1.1	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	13	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	3.6	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	0.36	1.0	0.26	1	J
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	104	88-112		1,4-Bromofluorobenzene	100	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1439
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-3-75-79'	07-11-1439-2	11/14/07	Aqueous	GC/MS T	11/24/07	11/24/07	071124L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	8.6	50	6.3	1	J	c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	0.97	1.0	0.23	1	J
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	ND	10	4.3	1	
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	0.18	1.0	0.12	1	J
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	3.6	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	0.60	1.0	0.24	1	J	1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	1.3	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	0.41	1.0	0.18	1	J
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	3.9	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	1.2	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	101	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1439
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-23,523**	**N/A**	**Aqueous**	**GC/MS T**	**11/24/07**	**11/24/07**	**071124L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	ND	10	4.3	1	
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	ND	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	ND	1.0	0.24	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	113	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	99	74-110	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1439
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1481-1	Aqueous	GC 24	11/19/07	11/19/07	071119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	89	68-122	8	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1439
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1272-3	Aqueous	GC/MS T	11/24/07	11/24/07	071124S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	103	88-118	1	0-7	
Carbon Tetrachloride	106	106	67-145	1	0-11	
Chlorobenzene	100	101	88-118	1	0-7	
1,2-Dibromoethane	99	100	70-130	1	0-30	
1,2-Dichlorobenzene	99	102	86-116	3	0-8	
1,1-Dichloroethene	123	122	70-130	1	0-25	
Ethylbenzene	106	105	70-130	1	0-30	
Toluene	103	103	87-123	0	0-8	
Trichloroethene	101	103	79-127	1	0-10	
Vinyl Chloride	97	97	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	95	100	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	117	105	36-168	11	0-45	
Diisopropyl Ether (DIPE)	103	105	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	106	72-126	13	0-12	4
Tert-Amyl-Methyl Ether (TAME)	89	101	72-126	13	0-12	4
Ethanol	141	119	53-149	17	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1439
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,155	Aqueous	GC 24	11/19/07	11/19/07	071119B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	100	100	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 07-11-1439
Preparation: EPA 5030B
Method: EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-23,523	Aqueous	GC/MS T	11/24/07	11/24/07	071124L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	101	84-120	1	0-8	
Carbon Tetrachloride	104	106	63-147	1	0-10	
Chlorobenzene	100	100	89-119	1	0-7	
1,2-Dibromoethane	102	103	80-120	0	0-20	
1,2-Dichlorobenzene	102	101	89-119	1	0-9	
1,1-Dichloroethene	104	107	77-125	3	0-16	
Ethylbenzene	105	104	80-120	1	0-20	
Toluene	103	102	83-125	1	0-9	
Trichloroethene	102	101	89-119	1	0-8	
Vinyl Chloride	93	97	63-135	4	0-13	
Methyl-t-Butyl Ether (MTBE)	104	106	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	105	121	46-154	13	0-32	
Diisopropyl Ether (DIPE)	104	104	81-123	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	114	117	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	112	112	76-124	0	0-10	
Ethanol	103	109	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-1439

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 - Sacramenta, California
- ☐ TA - Nashville, Tennessee
- ☑ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown

☑ 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 6 0 6 7

PO #:

SAP or CRMT #:

Date: 11/14/07

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates (CRA)	CRAW	1285 Bancroft Ave, San Leandro	CA	T0600101224

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis St, Suite A, Emeryville, CA 94608	Ballard, Felicia, CRA, Sonoma	707 933 2360	sonomaedf@craworld.com	240504-008

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	LAB USE ONLY
Ana Friel	707 268 3812	707 268 8180	afriel@craworld.com	Carmen Rodriguez	11-1439

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 (8260 B)	TPHd - Extractable (8015M)	BTEX (8260B)	MTBE (8260B)	TBA (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Grease EPA 9070	Chlorinated hydorcarbons 8260	EDB & EDC 8082	1,2-dichloroethane (8260B)	Ethylene dibromide (8260B)	Ethanol (8260B)	Full Chlorinated Solvents (8260)		Cam 17 Metals Cd, Cr, Pb, Zn, Ni	PCB, PCP, PNAs Creosote 8270	Total Dissolved Solids (160.1)	Total Iron (6010B)	Test for Disposal (see attached)	
	CPT-3-53-57'	11/14	0949	W	6	X		X			X							X							
	CPT-3-75-79'		1531	W	6	X		X			X							X							
	~~[illegible]~~																							

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

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	CEL	11-15-07	1400
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	SECURE LOCATION		
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature] TO GSO	[signature] GZ	11/17/07	10:20

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 1439

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: C.R.A DATE: 11/17/07

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.
4.1 °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

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

Initial: HT

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: HT

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

November 28, 2007

Ana Friel
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **07-11-1432**
Client Reference: **1285 Bancroft Ave., San Leandro, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/17/2007 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.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-10.5	07-11-1432-1	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	99	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-20	07-11-1432-2	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	100	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-21.5	07-11-1432-3	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	103	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-26	07-11-1432-4	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	103	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-30	07-11-1432-5	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	103	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-37.5	07-11-1432-6	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	19	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	125	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-40.5	07-11-1432-7	11/16/07	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	89	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-279-1,320	N/A	Solid	GC 18	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	104	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-4-56-60'	07-11-1432-8	11/16/07	Aqueous	GC 30	11/20/07	11/20/07	071120B01

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 Analyzed	QC Batch ID
CPT-4-79-83'	07-11-1432-9	11/16/07	Aqueous	GC 30	11/20/07	11/20/07	071120B01

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 Analyzed	QC Batch ID
CPT-2-45-49'	07-11-1432-10	11/16/07	Aqueous	GC 29	11/26/07	11/26/07	071126B01

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

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	15000	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-2-56-60'	07-11-1432-11	11/16/07	Aqueous	GC 30	11/20/07	11/20/07	071120B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-436-1,161**	**N/A**	**Aqueous**	**GC 30**	**11/20/07**	**11/20/07**	**071120B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-436-1,176**	**N/A**	**Aqueous**	**GC 29**	**11/26/07**	**11/26/07**	**071126B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	75	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-4-56-60'	07-11-1432-8	11/16/07	Aqueous	GC/MS T	11/24/07	11/24/07	071124L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	4.1	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	1.3	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	117	74-140			1,2-Dichloroethane-d4	127	74-146		
Toluene-d8	105	88-112			1,4-Bromofluorobenzene	99	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-4-79-83'	07-11-1432-9	11/16/07	Aqueous	GC/MS T	11/24/07	11/24/07	071124L01

Parameter	Result	RL	DF	Qual
Acetone	ND	50	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	1.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	
1,1-Dichloropropene	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140	
Toluene-d8	105	88-112	

Parameter	Result	RL	DF	Qual
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	2.1	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Tert-Butyl Alcohol (TBA)	ND	10	1	
Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	125	74-146	
1,4-Bromofluorobenzene	99	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-2-45-49'	07-11-1432-10	11/16/07	Aqueous	GC/MS T	11/27/07	11/27/07	071127L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	17	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	1.7	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	1.2	1.0	1		n-Propylbenzene	5.4	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	40	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	11	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	40	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	10	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	4.4	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	110	88-112		1,4-Bromofluorobenzene	121	74-110	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-2-56-60'	07-11-1432-11	11/16/07	Aqueous	GC/MS T	11/24/07	11/25/07	071124L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	5.8	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	2.5	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	121	74-146	
Toluene-d8	104	88-112		1,4-Bromofluorobenzene	100	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-23,523**	**N/A**	**Aqueous**	**GC/MS T**	**11/24/07**	**11/24/07**	**071124L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	74-140			1,2-Dichloroethane-d4	113	74-146		
Toluene-d8	103	88-112			1,4-Bromofluorobenzene	99	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-23,546**	**N/A**	**Aqueous**	**GC/MS T**	**11/24/07**	**11/25/07**	**071124L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	113	74-140			1,2-Dichloroethane-d4	121	74-146		
Toluene-d8	103	88-112			1,4-Bromofluorobenzene	98	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-23,556**	**N/A**	**Aqueous**	**GC/MS T**	**11/27/07**	**11/27/07**	**071127L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	104	88-112			1,4-Bromofluorobenzene	100	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-10.5	07-11-1432-1	11/16/07	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

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	104	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 Analyzed	QC Batch ID
SB-16-20	07-11-1432-2	11/16/07	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

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	105	73-139			1,2-Dichloroethane-d4	105	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	97	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-21.5	07-11-1432-3	11/16/07	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	0.0095	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	107	73-139			1,2-Dichloroethane-d4	105	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	95	71-113		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-26	07-11-1432-4	11/16/07	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	0.0078	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	105	73-139			1,2-Dichloroethane-d4	107	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	98	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-30	07-11-1432-5	11/16/07	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	0.093	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	108	73-139			1,2-Dichloroethane-d4	106	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	97	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-37.5	07-11-1432-6	11/16/07	Solid	GC/MS W	11/19/07	11/20/07	071120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.12	25		Methyl-t-Butyl Ether (MTBE)	0.16	0.12	25	
Ethylbenzene	0.86	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Toluene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
p/m-Xylene	2.3	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
o-Xylene	0.82	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	73-139			1,2-Dichloroethane-d4	100	73-145		
Toluene-d8	100	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
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B
Units: mg/kg

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-16-40.5	07-11-1432-7	11/16/07	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

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	109	73-139			1,2-Dichloroethane-d4	109	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	98	71-113		

Method Blank	099-10-005-15,109	N/A	Solid	GC/MS Z	11/19/07	11/20/07	071119L03

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	109	73-139			1,2-Dichloroethane-d4	116	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	97	71-113		

Method Blank	099-10-005-15,112	N/A	Solid	GC/MS W	11/20/07	11/20/07	071120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Ethylbenzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Toluene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
o-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	73-139			1,2-Dichloroethane-d4	100	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	94	71-113		

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-16-10.5	Solid	GC 18	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	81	81	48-114	0	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1313-4	Aqueous	GC 30	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	94	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1771-1	Aqueous	GC 29	11/26/07	11/26/07	071126S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	93	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1272-3	Aqueous	GC/MS T	11/24/07	11/24/07	071124S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	103	88-118	1	0-7	
Carbon Tetrachloride	106	106	67-145	1	0-11	
Chlorobenzene	100	101	88-118	1	0-7	
1,2-Dibromoethane	99	100	70-130	1	0-30	
1,2-Dichlorobenzene	99	102	86-116	3	0-8	
1,1-Dichloroethene	123	122	70-130	1	0-25	
Ethylbenzene	106	105	70-130	1	0-30	
Toluene	103	103	87-123	0	0-8	
Trichloroethene	101	103	79-127	1	0-10	
Vinyl Chloride	97	97	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	95	100	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	117	105	36-168	11	0-45	
Diisopropyl Ether (DIPE)	103	105	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	106	72-126	13	0-12	4
Tert-Amyl-Methyl Ether (TAME)	89	101	72-126	13	0-12	4
Ethanol	141	119	53-149	17	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1452-1	Aqueous	GC/MS T	11/24/07	11/25/07	071124S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	105	88-118	0	0-7	
Carbon Tetrachloride	110	112	67-145	1	0-11	
Chlorobenzene	101	102	88-118	0	0-7	
1,2-Dibromoethane	102	104	70-130	2	0-30	
1,2-Dichlorobenzene	101	101	86-116	0	0-8	
1,1-Dichloroethene	116	128	70-130	9	0-25	
Ethylbenzene	108	107	70-130	0	0-30	
Toluene	104	106	87-123	2	0-8	
Trichloroethene	104	106	79-127	2	0-10	
Vinyl Chloride	104	105	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	97	103	71-131	6	0-13	
Tert-Butyl Alcohol (TBA)	91	101	36-168	10	0-45	
Diisopropyl Ether (DIPE)	107	111	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	102	108	72-126	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	102	72-126	7	0-12	
Ethanol	117	125	53-149	7	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1900-3	Aqueous	GC/MS T	11/27/07	11/27/07	071127S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	102	88-118	1	0-7	
Carbon Tetrachloride	109	111	67-145	1	0-11	
Chlorobenzene	100	100	88-118	0	0-7	
1,2-Dibromoethane	94	93	70-130	1	0-30	
1,2-Dichlorobenzene	98	102	86-116	3	0-8	
1,1-Dichloroethene	111	123	70-130	10	0-25	
Ethylbenzene	104	106	70-130	2	0-30	
Toluene	101	103	87-123	2	0-8	
Trichloroethene	99	101	79-127	2	0-10	
Vinyl Chloride	101	101	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	100	101	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	118	122	36-168	3	0-45	
Diisopropyl Ether (DIPE)	104	107	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	103	106	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	101	72-126	4	0-12	
Ethanol	138	141	53-149	2	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-16-10.5	Solid	GC/MS Z	11/19/07	11/20/07	071119S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	85	79-115	2	0-13	
Carbon Tetrachloride	86	84	55-139	2	0-15	
Chlorobenzene	89	88	79-115	1	0-17	
1,2-Dibromoethane	91	91	70-130	0	0-30	
1,2-Dichlorobenzene	81	84	63-123	4	0-23	
1,1-Dichloroethene	90	87	69-123	4	0-16	
Ethylbenzene	87	86	70-130	2	0-30	
Toluene	89	87	79-115	2	0-15	
Trichloroethene	90	85	66-144	6	0-14	
Vinyl Chloride	78	75	60-126	3	0-14	
Methyl-t-Butyl Ether (MTBE)	98	98	68-128	0	0-14	
Tert-Butyl Alcohol (TBA)	77	75	44-134	2	0-37	
Diisopropyl Ether (DIPE)	96	97	75-123	0	0-12	
Ethyl-t-Butyl Ether (ETBE)	97	98	75-117	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	96	79-115	2	0-12	
Ethanol	80	75	42-138	6	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1510-1	Solid	GC/MS W	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	86	87	79-115	2	0-13	
Carbon Tetrachloride	79	82	55-139	4	0-15	
Chlorobenzene	84	84	79-115	1	0-17	
1,2-Dibromoethane	85	84	70-130	1	0-30	
1,2-Dichlorobenzene	83	83	63-123	1	0-23	
1,1-Dichloroethene	82	82	69-123	0	0-16	
Ethylbenzene	84	84	70-130	0	0-30	
Toluene	84	86	79-115	3	0-15	
Trichloroethene	85	88	66-144	4	0-14	
Vinyl Chloride	68	71	60-126	5	0-14	
Methyl-t-Butyl Ether (MTBE)	73	75	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	90	94	44-134	4	0-37	
Diisopropyl Ether (DIPE)	88	90	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	85	87	75-117	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	87	88	79-115	1	0-12	
Ethanol	82	88	42-138	7	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-1,320	Solid	GC 18	11/20/07	11/20/07	071120B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	102	70-124	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,161	Aqueous	GC 30	11/20/07	11/20/07	071120B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	95	95	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,176	Aqueous	GC 29	11/26/07	11/26/07	071126B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	96	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 07-11-1432
Preparation: EPA 5030B
Method: EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-23,523	Aqueous	GC/MS T	11/24/07	11/24/07	071124L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	101	84-120	1	0-8	
Carbon Tetrachloride	104	106	63-147	1	0-10	
Chlorobenzene	100	100	89-119	1	0-7	
1,2-Dibromoethane	102	103	80-120	0	0-20	
1,2-Dichlorobenzene	102	101	89-119	1	0-9	
1,1-Dichloroethene	104	107	77-125	3	0-16	
Ethylbenzene	105	104	80-120	1	0-20	
Toluene	103	102	83-125	1	0-9	
Trichloroethene	102	101	89-119	1	0-8	
Vinyl Chloride	93	97	63-135	4	0-13	
Methyl-t-Butyl Ether (MTBE)	104	106	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	105	121	46-154	13	0-32	
Diisopropyl Ether (DIPE)	104	104	81-123	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	114	117	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	112	112	76-124	0	0-10	
Ethanol	103	109	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-23,546	Aqueous	GC/MS T	11/24/07	11/24/07	071124L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	103	84-120	1	0-8	
Carbon Tetrachloride	111	109	63-147	2	0-10	
Chlorobenzene	100	101	89-119	1	0-7	
1,2-Dibromoethane	101	102	80-120	1	0-20	
1,2-Dichlorobenzene	103	102	89-119	0	0-9	
1,1-Dichloroethene	113	113	77-125	0	0-16	
Ethylbenzene	105	106	80-120	2	0-20	
Toluene	103	104	83-125	0	0-9	
Trichloroethene	101	102	89-119	1	0-8	
Vinyl Chloride	104	102	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	103	103	82-118	0	0-13	
Tert-Butyl Alcohol (TBA)	99	101	46-154	2	0-32	
Diisopropyl Ether (DIPE)	110	108	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	109	110	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	104	76-124	3	0-10	
Ethanol	118	112	60-138	5	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-23,556	Aqueous	GC/MS T	11/27/07	11/27/07	071127L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	100	84-120	1	0-8	
Carbon Tetrachloride	107	106	63-147	1	0-10	
Chlorobenzene	98	98	89-119	0	0-7	
1,2-Dibromoethane	100	99	80-120	1	0-20	
1,2-Dichlorobenzene	101	101	89-119	0	0-9	
1,1-Dichloroethene	105	105	77-125	1	0-16	
Ethylbenzene	103	104	80-120	1	0-20	
Toluene	101	102	83-125	1	0-9	
Trichloroethene	98	100	89-119	1	0-8	
Vinyl Chloride	94	93	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	108	106	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	122	119	46-154	3	0-32	
Diisopropyl Ether (DIPE)	105	104	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	120	117	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	115	116	76-124	0	0-10	
Ethanol	110	110	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,109	Solid	GC/MS Z	11/19/07	11/19/07	071119L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	86	84-114	3	0-7	
Carbon Tetrachloride	87	83	66-132	4	0-12	
Chlorobenzene	93	90	87-111	4	0-7	
1,2-Dibromoethane	96	93	80-120	3	0-20	
1,2-Dichlorobenzene	92	91	79-115	1	0-8	
1,1-Dichloroethene	89	84	73-121	6	0-12	
Ethylbenzene	92	86	80-120	6	0-20	
Toluene	91	86	78-114	5	0-7	
Trichloroethene	88	87	84-114	1	0-8	
Vinyl Chloride	79	75	63-129	5	0-15	
Methyl-t-Butyl Ether (MTBE)	99	100	77-125	1	0-11	
Tert-Butyl Alcohol (TBA)	79	79	47-137	1	0-27	
Diisopropyl Ether (DIPE)	99	97	76-130	3	0-8	
Ethyl-t-Butyl Ether (ETBE)	100	98	76-124	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	98	82-118	0	0-11	
Ethanol	79	80	59-131	2	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH ilac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1432
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,112	Solid	GC/MS W	11/20/07	11/20/07	071120L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	100	84-114	0	0-7	
Carbon Tetrachloride	101	99	66-132	2	0-12	
Chlorobenzene	99	102	87-111	3	0-7	
1,2-Dibromoethane	98	100	80-120	2	0-20	
1,2-Dichlorobenzene	95	101	79-115	6	0-8	
1,1-Dichloroethene	98	96	73-121	2	0-12	
Ethylbenzene	102	101	80-120	0	0-20	
Toluene	99	99	78-114	0	0-7	
Trichloroethene	99	98	84-114	0	0-8	
Vinyl Chloride	95	92	63-129	3	0-15	
Methyl-t-Butyl Ether (MTBE)	78	83	77-125	6	0-11	
Tert-Butyl Alcohol (TBA)	110	120	47-137	9	0-27	
Diisopropyl Ether (DIPE)	100	100	76-130	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	94	97	76-124	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	98	82-118	2	0-11	
Ethanol	109	101	59-131	7	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-1432

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, Tennessee
- ☑ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown

- ☑ 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 6 0 6 7

PO #:

SAP or CRMT #:

Date: 11/16/07

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates (CRA)	CRAW	1285 Bancroft Ave, San Leandro	CA	T0600101224

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis St, Suite A, Emeryville, CA 94608	Ballard, Felicia, CRA, Sonoma	707 933 2360	sonomaedf@craworld.com	240504-008

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Ana Friel	707 268 3812	707 268 8180	afriel@craworld.com

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 11-1432

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 (8260 B)	TPHd - Extractable (8015M)	BTEX (8260B)	MTBE (8260B)	TBA (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Greese EPA 9070	Chlorinated hydorcarbons 8260	EDB & EDC 8082	1,2-dichloroethane (8260B)	Ethylene dibromide (8260B)	Ethanol (8260B)			Cam 17 Metals Cd, Cr, Pb, Zn, Ni	PCB, PCP, PNAs Creosote 8270	Total Desolved Solids (160.1)	Total Iron (6010B)	Test for Disposal (see attached)	
1	SB-16-10.5	11/16	809	SOIL	2	X		X			X													
2	SB-16-20		828																					
3	SB-16-21.5		831																					
4	SB-16-26		845																					
5	SB-16-30		855																					
6	SB-16-37.5		933																					
7	SB-16-40.5		950																					

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	CEL	11-16-07	1505
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
to GSO	CEL	11/17/07	10:20
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/02/06 Revision

LAB: TA

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

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ 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 6 0 6 7

PO #

SAP or CRMT #

Date:

PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates (CRA)	CRAW	1285 Bancroft Ave, San Leandro	CA	T0600101224

ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Name, Company, Office Location): Ballard, Felicia, CRA, Sonoma

PHONE NO.: 707 933 2360

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240504-008

PROJECT CONTACT (Hardcopy or PDF Report to): Ana Friel

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 11-1432

TELEPHONE: 707 268 3812 FAX: 707 268 8180 E-MAIL: afriel@craworld.com

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

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

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH g- Purgeable (8260 B)	TPHd - Extractable (8015M)	BTEX (8260B)	MTBE (8260B)	TBA (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Grease EPA 9070	Chlorinated hydrocarbons 8260	EDB & EDC 8082	1,2-dichloroethane (8260B)	Ethylene dibromide (8260B)	Ethanol (8260B)	Full Chlorinated Solvents (8260)		Cam 17 Metals Cd, Cr, Pb, Zn, Ni	PCB, PCP, PNAs Creosote 8270	Total Desolved Solids (160.1)	Total Iron (6010B)	Test for Disposal (see attached)		FIELD NOTES
8	CPT-4-56-60'	11/16	0855	W	6	X		X			X							X								
9	CPT-4-79-83'	↓	1000	↓	6	↓		↓			↓							↓								
10	CPT-2-45-49	11/16	1315	↓	6	↓		↓			↓							↓								
11	CPT-2-56-60	↓	1425	↓		↓		↓			↓							↓								
	~~CPT-2-56-60~~																									

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	CEL	11-16-07	1505
Relinquished by: (Signature) [signature] to GSO	Received by: (Signature) [signature]	11/17/07	10:20
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/02/06 Revision

Graphic (714) 898-9702 O&O

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11-1432

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA DATE: 11/17/07

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):

3.4 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

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

Initial: HT

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: HT

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

November 29, 2007

Ana Friel
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.: 07-11-1553**
Client Reference: 1285 Bancroft Ave., San Leandro, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/20/2007 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.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	11/20/07
5900 Hollis Street, Suite A		Work Order No:	07-11-1553
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-2-75-79	**07-11-1553-1-D**	**11/16/07**	**Aqueous**	**GC 1**	**11/21/07**	**11/21/07**	**071121B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	38-134	

Method Blank	099-12-436-1,165	N/A	Aqueous	GC 1	11/21/07	11/21/07	071121B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 11/20/07
5900 Hollis Street, Suite A	Work Order No: 07-11-1553
Emeryville, CA 94608-2008	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: ug/L
Project: 1285 Bancroft Ave., San Leandro, CA	Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
CPT-2-75-79	07-11-1553-1-E	11/16/07	Aqueous	GC/MS S	11/28/07	11/28/07	071128L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	5.2	10	4.3	1	J,B
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	3.2	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	0.55	1.0	0.24	1	J	1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	124	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	89	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 11/20/07
5900 Hollis Street, Suite A	Work Order No: 07-11-1553
Emeryville, CA 94608-2008	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: ug/L
Project: 1285 Bancroft Ave., San Leandro, CA	Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-23,565**	**N/A**	**Aqueous**	**GC/MS S**	**11/28/07**	**11/28/07**	**071128L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	6.8	10	4.3	1	J
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	ND	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	ND	1.0	0.24	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	87	74-110	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/20/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1553
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1542-1-E	Aqueous	GC 1	11/21/07	11/21/07	071121S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	85	68-122	6	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/20/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1553
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-2-75-79-E	Aqueous	GC/MS S	11/28/07	11/28/07	071128S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	110	88-118	4	0-7	
Carbon Tetrachloride	104	109	67-145	4	0-11	
Chlorobenzene	99	104	88-118	5	0-7	
1,2-Dibromoethane	109	114	70-130	4	0-30	
1,2-Dichlorobenzene	101	106	86-116	5	0-8	
1,1-Dichloroethene	106	109	70-130	2	0-25	
Ethylbenzene	104	109	70-130	4	0-30	
Toluene	105	109	87-123	3	0-8	
Trichloroethene	101	106	79-127	5	0-10	
Vinyl Chloride	102	109	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	122	124	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	109	110	36-168	0	0-45	
Diisopropyl Ether (DIPE)	124	128	81-123	3	0-9	3
Ethyl-t-Butyl Ether (ETBE)	117	123	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	114	121	72-126	6	0-12	
Ethanol	117	114	53-149	3	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1553
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,165	Aqueous	GC 1	11/21/07	11/21/07	071121B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	80	81	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1553
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-23,565	Aqueous	GC/MS S	11/28/07	11/28/07	071128L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	107	84-120	2	0-8	
Carbon Tetrachloride	107	109	63-147	2	0-10	
Chlorobenzene	101	102	89-119	1	0-7	
1,2-Dibromoethane	105	108	80-120	3	0-20	
1,2-Dichlorobenzene	99	104	89-119	5	0-9	
1,1-Dichloroethene	106	109	77-125	3	0-16	
Ethylbenzene	107	109	80-120	2	0-20	
Toluene	104	106	83-125	1	0-9	
Trichloroethene	106	104	89-119	2	0-8	
Vinyl Chloride	110	108	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	106	110	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	108	115	46-154	6	0-32	
Diisopropyl Ether (DIPE)	111	116	81-123	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	104	108	74-122	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	107	76-124	1	0-10	
Ethanol	110	127	60-138	15	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-1553

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 - Sacramenta, California
- ☐ TA - Nashville, Tennesee
- ☑ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown

- ☑ 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 6 0 6 7

PO #:

SAP or CRMT #:

Date: 11/16/07

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates (CRA)	LOG CODE: CRAW	SITE ADDRESS: Street and City: 1285 Bancroft Ave, San Leandro	State: CA
ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608		GLOBAL ID NO.: T0600101224	
PROJECT CONTACT (Hardcopy or PDF Report to): Ana Friel		EDF DELIVERABLE TO (Name, Company, Office Location): Ballard, Felicia, CRA, Sonoma	PHONE NO.: 707 933 2360
TELEPHONE: 707 268 3812	FAX: 707 268 8180	E-MAIL: afriel@craworld.com	E-MAIL: sonomaedf@craworld.com
		SAMPLER NAME(S) (Print): Carmen Rodriguez	CONSULTANT PROJECT NO.: 240504-008
			LAB USE ONLY: 11-1553

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 (8260 B)	TPHd - Extractable (8015M)	BTEX (8260B)	MTBE (8260B)	TBA (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Greese EPA 9070	Chlorinated hydorcarbons 8260	EDB & EDC 8082	1,2-dichloroethane (8260B)	Ethylene dibromide (8260B)	Ethanol (8260B)	Full Chlorinated Solvents (8260)		Cam 17 Metals Cd, Cr, Pb, Zn, Ni	PCB, PCP, PNAs Creosote 8270	Total Desolved Solids (160.1)	Total Iron (6010B)	Test for Disposal (see attached)	
	CPT-2-75-79	11/16	1530	W	6	X		X			X							X							

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

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) Carmen Rodriguez	Received by: (Signature) J.T.	Date: 11/19/07	Time: 1426
Relinquished by: (Signature)	Received by: (Signature)	Date: 11/19/07	Time: 1426
Relinquished by: (Signature) (to GSO)	Received by: (Signature)	Date: 11/20/07	Time: 0930

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 1553

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA DATE: 11/20/07

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):

3.6 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

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

Initial: JP

SAMPLE CONDITION:

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

Initial: JP

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

January 14, 2008

Ana Friel
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.: 08-01-0300**
Client Reference: 1285 Bancroft Ave., San Leandro, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/5/2008 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.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 01/05/08
Work Order No: 08-01-0300
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1-44-48	08-01-0300-1-D	01/03/08	Aqueous	GC 29	01/07/08	01/07/08 20:34	080107B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	46	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1-56-60	08-01-0300-2-D	01/03/08	Aqueous	GC 29	01/07/08	01/07/08 21:08	080107B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	68	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1-78-82	08-01-0300-3-D	01/03/08	Aqueous	GC 29	01/07/08	01/07/08 21:42	080107B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	70	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-436-1,329	N/A	Aqueous	GC 29	01/07/08	01/07/08 9:49	080107B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	79	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/05/08
5900 Hollis Street, Suite A	Work Order No:	08-01-0300
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 1285 Bancroft Ave., San Leandro, CA		Page 1 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1-44-48	08-01-0300-1-A	01/03/08	Aqueous	GC/MS T	01/08/08	01/09/08 8:24	080108L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	0.18	0.50	0.14	1	J	t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	ND	10	4.3	1	
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	4.5	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	2.8	1.0	0.24	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	74-140		1,2-Dichloroethane-d4	110	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	91	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/05/08
5900 Hollis Street, Suite A	Work Order No:	08-01-0300
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 1285 Bancroft Ave., San Leandro, CA		Page 2 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1-56-60	08-01-0300-2-A	01/03/08	Aqueous	GC/MS T	01/08/08	01/09/08 4:55	080108L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	0.15	0.50	0.14	1	J	t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	ND	10	4.3	1	
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	0.75	10	0.50	1	J
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	0.43	10	0.40	1	J	1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	5.6	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	2.2	1.0	0.24	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	106	74-146	
Toluene-d8	104	88-112		1,4-Bromofluorobenzene	93	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/05/08
5900 Hollis Street, Suite A	Work Order No:	08-01-0300
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 1285 Bancroft Ave., San Leandro, CA		Page 3 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1-78-82	08-01-0300-3-A	01/03/08	Aqueous	GC/MS T	01/08/08	01/09/08 5:25	080108L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	0.26	0.50	0.14	1	J	t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	4.3	10	4.3	1	J
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	0.91	1.0	0.35	1	J
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	0.37	1.0	0.24	1	J	1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	74-140		1,2-Dichloroethane-d4	110	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	93	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 01/05/08
Work Order No: 08-01-0300
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-006-24,023**	**N/A**	**Aqueous**	**GC/MS T**	**01/08/08**	**01/09/08 1:56**	**080108L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromobenzene	ND	1.0	0.27	1		Ethylbenzene	ND	1.0	0.23	1	
Bromochloromethane	ND	1.0	0.70	1		2-Hexanone	ND	10	5.4	1	
Bromodichloromethane	ND	1.0	0.24	1		Isopropylbenzene	ND	1.0	0.26	1	
Bromoform	ND	1.0	0.66	1		p-Isopropyltoluene	ND	1.0	0.31	1	
Bromomethane	ND	10	5.1	1		Methylene Chloride	ND	10	4.3	1	
2-Butanone	ND	10	6.7	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
n-Butylbenzene	ND	1.0	0.29	1		Naphthalene	ND	10	0.50	1	
sec-Butylbenzene	ND	1.0	0.32	1		n-Propylbenzene	ND	1.0	0.12	1	
tert-Butylbenzene	ND	1.0	0.33	1		Styrene	ND	1.0	0.29	1	
Carbon Disulfide	ND	10	0.40	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
Carbon Tetrachloride	ND	0.50	0.32	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
Chlorobenzene	ND	1.0	0.14	1		Tetrachloroethene	ND	1.0	0.35	1	
Chloroethane	ND	1.0	0.69	1		Toluene	ND	1.0	0.27	1	
Chloroform	ND	1.0	0.24	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
Chloromethane	ND	10	0.63	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.27	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.68	1	
Dibromochloromethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.49	1		Trichlorofluoromethane	ND	10	0.21	1	
Dibromomethane	ND	1.0	0.57	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Vinyl Acetate	ND	10	3.7	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Vinyl Chloride	ND	0.50	0.36	1	
1,1-Dichloroethane	ND	1.0	0.27	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloroethane	ND	0.50	0.26	1		o-Xylene	ND	1.0	0.17	1	
1,1-Dichloroethene	ND	1.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.18	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.1	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Ethanol	ND	100	86	1	
1,1-Dichloropropene	ND	1.0	0.24	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	91	74-110	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	01/05/08
5900 Hollis Street, Suite A		Work Order No:	08-01-0300
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-01-0295-1	Aqueous	GC 29	01/07/08	01/07/08	080107S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	107	106	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 01/05/08
Work Order No: 08-01-0300
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-01-0294-1	Aqueous	GC/MS T	01/08/08	01/09/08	080108S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	116	113	88-118	3	0-7	
Carbon Tetrachloride	110	102	67-145	8	0-11	
Chlorobenzene	113	112	88-118	1	0-7	
1,2-Dibromoethane	114	108	70-130	5	0-30	
1,2-Dichlorobenzene	110	109	86-116	1	0-8	
1,1-Dichloroethene	117	105	70-130	10	0-25	
Ethylbenzene	120	118	70-130	1	0-30	
Toluene	118	117	87-123	1	0-8	
Trichloroethene	108	105	79-127	2	0-10	
Vinyl Chloride	95	89	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	102	95	71-131	7	0-13	
Tert-Butyl Alcohol (TBA)	72	66	36-168	9	0-45	
Diisopropyl Ether (DIPE)	105	98	81-123	7	0-9	
Ethyl-t-Butyl Ether (ETBE)	102	96	72-126	7	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	97	72-126	3	0-12	
Ethanol	87	75	53-149	14	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 08-01-0300
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,329	Aqueous	GC 29	01/07/08	01/07/08	080107B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	106	106	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	08-01-0300
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-24,023	Aqueous	GC/MS T	01/08/08	01/09/08	080108L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	112	112	84-120	0	0-8	
Carbon Tetrachloride	101	102	63-147	2	0-10	
Chlorobenzene	114	115	89-119	1	0-7	
1,2-Dibromoethane	113	112	80-120	0	0-20	
1,2-Dichlorobenzene	109	109	89-119	1	0-9	
1,1-Dichloroethene	107	107	77-125	0	0-16	
Ethylbenzene	120	121	80-120	1	0-20	X
Toluene	117	116	83-125	0	0-9	
Trichloroethene	105	106	89-119	0	0-8	
Vinyl Chloride	86	88	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	97	95	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	71	70	46-154	2	0-32	
Diisopropyl Ether (DIPE)	98	97	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	94	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	96	76-124	4	0-10	
Ethanol	87	86	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-01-0300

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.
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 - Sacramento, California
- [ ] TA - Nashville, Tennesee
- [x] Calscience
- [ ] Other______

SHELL Chain Of Custody Record

(0500)

NAME OF PERSON TO BILL: Denis Brown

- [x] 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 6 0 6 7

PO #

SAP or CRMT #

Date:

PAGE: 1 of 1

Field	Value
SAMPLING COMPANY:	Conestoga-Rovers & Associates (CRA)
LOG CODE:	CRAW
SITE ADDRESS: Street and City	1285 Bancroft Ave, San Leandro
State	CA
GLOBAL ID NO.:	T0600101224
ADDRESS:	5900 Hollis St, Suite A, Emeryville, CA 94608
EDF DELIVERABLE TO (Name, Company, Office Location):	Ballard, Felicia, CRA, Sonoma
PHONE NO.:	707 933 2360
E-MAIL:	sonomaedf@craworld.com
CONSULTANT PROJECT NO.:	240504-008
PROJECT CONTACT (Hardcopy or PDF Report to):	Ana Friel / PETER SCHAEFER (510) 420-3319
TELEPHONE:	707 268 3812
FAX:	707 268 8180 (510) 420-9170
E-MAIL:	afriel@craworld.com PSCHAEFER@CRAWORLD.com
SAMPLER NAME(S) (Print):	~~Carmen Rodriguez~~ PETER SCHAEFER
LAB USE ONLY	08-01-0300

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):

- [x] 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
- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMB RATE APPLIES
- [x] 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 (8260 B)	TPHd - Extractable (8015M)	BTEX (8260B)	MTBE (8260B)	TBA (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Grease EPA 9070	Chlorinated hydrocarbons 8260	EDB & EDC 8082	1,2-dichloroethane (8260B)	Ethylene dibromide (8260B)	Ethanol (8260B)	Full Chlorinated Solvents (8260)		Cam 17 Metals Cd, Cr, Pb, Zn, Ni	PCB, PCP, PNAs Creosote 8270	Total Desolved Solids (160.1)	Total Iron (6010B)	Test for Disposal (see attached)		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	CPT-1-44-48	1/3/08	1050	W	6	X		X			X							X								
2	CPT-1-56-60	1/3/08	1135	W	6	X		X			X							X								
3	CPT-1-78-82	1/3/08	1255	W	6	X		X			X							X								

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Peter Schaefer	SECURE LOCATION	1/3/08	1530
[signature]	[signature]	1/4/08	1414
[signature] TO GSO	Dannyle (CEL)	1/05/08	11:10

05/02/06 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 01 - 0300

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Conestoga-Rovers DATE: 1/05/08

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: H.L

CUSTODY SEAL INTACT:

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

Initial: H.L

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: H.L

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

November 30, 2007

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

Subject: **Calscience Work Order No.: 07-11-1440**
Client Reference: 1285 Bancroft Ave., San Leandro, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/17/2007 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.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/17/07
Work Order No: 07-11-1440
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	07-11-1440-1	11/14/07	Solid	ICP 5300	11/20/07	11/20/07	071120L01

Comment(s): -Mercury was analyzed on 11/20/2007 5:33:43 PM with batch 071120L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	0.151	0.0835	1	
Arsenic	4.55	0.750	1		Molybdenum	ND	0.250	1	
Barium	1110	0.500	1		Nickel	72.8	0.250	1	
Beryllium	0.413	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	38.1	0.250	1		Thallium	ND	0.750	1	
Cobalt	21.3	0.250	1		Vanadium	43.6	0.250	1	
Copper	165	0.500	1		Zinc	85.3	1.00	1	
Lead	29.4	0.500	1						

Method Blank	099-04-007-5,132	N/A	Solid	Mercury	11/20/07	11/20/07	071120L03

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-10,102	N/A	Solid	ICP 5300	11/20/07	11/20/07	071120L01

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:	11/17/07
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	T22.11.5.All
		Method:	EPA 6010B

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	**07-11-1440-1**	**11/14/07**	**Solid**	**ICP 5300**	**11/24/07**	**11/27/07**	**071126L06A**

Parameter	Result	RL	DF	Qual	Units
Barium	401	0.100	1		mg/L

Method Blank	097-05-006-3,828	N/A	Solid	ICP 5300	11/24/07	11/27/07	071126L06A

Parameter	Result	RL	DF	Qual	Units
Barium	ND	0.100	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	11/17/07
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	**07-11-1440-1**	**11/14/07**	**Solid**	**GC 23**	**11/21/07**	**11/22/07**	**071121B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	1400	500	20		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	67	61-145			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-254-334**	**N/A**	**Solid**	**GC 23**	**11/21/07**	**11/21/07**	**071121B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	111	61-145			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	11/17/07
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	**07-11-1440-1**	**11/14/07**	**Solid**	**GC 23**	**11/21/07**	**11/22/07**	**071121B06**

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

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	270	100	20		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	67	61-145			

Method Blank	**099-12-275-1,193**	**N/A**	**Solid**	**GC 23**	**11/21/07**	**11/21/07**	**071121B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	111	61-145			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	11/17/07
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	**07-11-1440-1**	**11/14/07**	**Solid**	**GC 18**	**11/19/07**	**11/19/07**	**071119B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	91	42-126			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-279-1,318**	**N/A**	**Solid**	**GC 18**	**11/19/07**	**11/19/07**	**071119B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene - FID	103	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:	11/17/07
Work Order No:	07-11-1440
Preparation:	DHS LUFT
Method:	DHS LUFT

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	**07-11-1440-1**	**11/14/07**	**Solid**	**FLAA**	**11/29/07**	**11/29/07**	**071129L05**

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

Method Blank	099-10-020-776	N/A	Solid	FLAA	11/29/07	11/29/07	071129L05

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	11/17/07
19449 Riverside Drive, Suite 230	Work Order No:	07-11-1440
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	mg/kg

Project: 1285 Bancroft Ave., San Leandro, CA — Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-6	07-11-1440-1	11/14/07	Solid	GC/MS X	11/19/07	11/19/07	071119L01

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	97	90-108			1,4-Bromofluorobenzene	96	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-005-15,110	N/A	Solid	GC/MS X	11/19/07	11/19/07	071119L01

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	100	73-139			1,2-Dichloroethane-d4	103	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	95	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: 11/17/07
Work Order No: 07-11-1440
Preparation: EPA 3050B
Method: EPA 6010B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1532-7	Solid	ICP 5300	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	32	31	50-115	2	0-20	3
Arsenic	102	100	75-125	2	0-20	
Barium	9	4	75-125	2	0-20	3
Beryllium	103	100	75-125	3	0-20	
Cadmium	104	101	75-125	2	0-20	
Chromium	106	100	75-125	4	0-20	
Cobalt	105	102	75-125	2	0-20	
Copper	96	93	75-125	2	0-20	
Lead	104	99	75-125	4	0-20	
Molybdenum	98	95	75-125	4	0-20	
Nickel	105	101	75-125	2	0-20	
Selenium	85	83	75-125	1	0-20	
Silver	99	97	75-125	2	0-20	
Thallium	97	94	75-125	3	0-20	
Vanadium	102	97	75-125	3	0-20	
Zinc	66	61	75-125	3	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 11/17/07
Work Order No: 07-11-1440
Preparation: T22.11.5.All
Method: EPA 6010B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1518-1	Solid	ICP 5300	11/20/07	11/27/07	071126S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Barium	94	105	75-125	7	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/17/07
19449 Riverside Drive, Suite 230	Work Order No:	07-11-1440
Sonoma, CA 95476-6955	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1431-7	Solid	GC 23	11/26/07	11/27/07	071121S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	79	81	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 11/17/07
Work Order No: 07-11-1440
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1429-5	Solid	GC 23	11/21/07	11/21/07	071121S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	99	103	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 11/17/07
Work Order No: 07-11-1440
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1339-2	Solid	GC 18	11/19/07	11/19/07	071119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	74	83	48-114	10	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/17/07
19449 Riverside Drive, Suite 230	Work Order No:	07-11-1440
Sonoma, CA 95476-6955	Preparation:	DHS LUFT
	Method:	DHS LUFT

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1431-6	Solid	FLAA	11/29/07	11/29/07	071129S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	57	58	22-148	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 11/17/07
Work Order No: 07-11-1440
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1515-4	Solid	Mercury	11/20/07	11/20/07	071120S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	103	104	84-138	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 11/17/07
Work Order No: 07-11-1440
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-6	Solid	GC/MS X	11/19/07	11/19/07	071119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	83	82	79-115	2	0-13	
Carbon Tetrachloride	68	68	55-139	1	0-15	
Chlorobenzene	73	68	79-115	7	0-17	3
1,2-Dibromoethane	81	79	70-130	2	0-30	
1,2-Dichlorobenzene	55	52	63-123	6	0-23	3
1,1-Dichloroethene	85	82	69-123	4	0-16	
Ethylbenzene	74	68	70-130	8	0-30	3
Toluene	79	76	79-115	4	0-15	3
Trichloroethene	79	74	66-144	7	0-14	
Vinyl Chloride	74	71	60-126	4	0-14	
Methyl-t-Butyl Ether (MTBE)	90	87	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	79	83	44-134	4	0-37	
Diisopropyl Ether (DIPE)	92	89	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	92	89	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	91	79-115	2	0-12	
Ethanol	96	81	42-138	18	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,102	Solid	ICP 5300	11/20/07	11/20/07	071120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	102	102	80-120	0	0-20	
Arsenic	96	95	80-120	1	0-20	
Barium	99	102	80-120	3	0-20	
Beryllium	93	94	80-120	1	0-20	
Cadmium	99	100	80-120	1	0-20	
Chromium	99	102	80-120	3	0-20	
Cobalt	100	100	80-120	0	0-20	
Copper	93	90	80-120	3	0-20	
Lead	100	101	80-120	1	0-20	
Molybdenum	99	99	80-120	0	0-20	
Nickel	104	103	80-120	1	0-20	
Selenium	91	91	80-120	1	0-20	
Silver	95	93	80-120	2	0-20	
Thallium	97	96	80-120	1	0-20	
Vanadium	95	96	80-120	0	0-20	
Zinc	102	105	80-120	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	T22.11.5.All
		Method:	EPA 6010B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-05-006-3,828	Solid	ICP 5300	11/24/07	11/27/07	071126L06A

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Barium	99	98	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-334	Solid	GC 23	11/21/07	11/22/07	071121B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	76	83	75-123	9	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received: N/A
19449 Riverside Drive, Suite 230	Work Order No: 07-11-1440
Sonoma, CA 95476-6955	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-1,193	Solid	GC 23	11/21/07	11/21/07	071121B06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	107	116	75-123	8	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
19449 Riverside Drive, Suite 230	Work Order No:	07-11-1440
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-1,318	Solid	GC 18	11/19/07	11/19/07	071119B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	99	70-124	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-776	Solid	FLAA	11/29/07	NONE	071129L05

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	12.5	12.4	99	72-126	

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: 07-11-1440
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,132	Solid	Mercury	11/20/07	11/20/07	071120L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	100	87-117	1	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
19449 Riverside Drive, Suite 230		Work Order No:	07-11-1440
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,110	Solid	GC/MS X	11/19/07	11/19/07	071119L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	88	84-114	2	0-7	
Carbon Tetrachloride	84	85	66-132	1	0-12	
Chlorobenzene	89	89	87-111	0	0-7	
1,2-Dibromoethane	87	90	80-120	3	0-20	
1,2-Dichlorobenzene	87	88	79-115	1	0-8	
1,1-Dichloroethene	96	91	73-121	5	0-12	
Ethylbenzene	93	93	80-120	0	0-20	
Toluene	90	89	78-114	2	0-7	
Trichloroethene	88	87	84-114	1	0-8	
Vinyl Chloride	79	78	63-129	1	0-15	
Methyl-t-Butyl Ether (MTBE)	83	87	77-125	4	0-11	
Tert-Butyl Alcohol (TBA)	78	93	47-137	17	0-27	
Diisopropyl Ether (DIPE)	89	89	76-130	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	85	89	76-124	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	87	90	82-118	4	0-11	
Ethanol	83	97	59-131	16	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-1440

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

NAME OF PERSON TO BILL: Bill Merchant

☑ 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 6 0 6 7

PO #:

SAP or CRMT #:

DATE: 11/14/07

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates	CETS	1285 Bancroft Avenue, San Leandro	CA 1285	TO600101224

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
270 Perkins Street, Sonoma, CA, 95476	Felicia Ballard	707 935 4850	sonomaedf@craworld.com	240504-008

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	Sampler:	LAB USE ONLY
Ana Friel	707 268 3812	707 268 8180	afriel@craworld.com	Carmen Rodriguez	11-1440

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

cc: Tobias Schroeder at tschroeder@craworld.com;

Phil Sellers at psellers@craworld.com

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHmo (8015M)	TPH - Extractable (8015M)	TPH - Purgeable (8260B)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ STLC ☐ TCLP ☑ Total	LUFT5 ☐ STLC ☐ TCLP ☐ Total	CAM17 ☐ STLC ☐ TCLP ☑ Total	Full List Chlorinated Solvents(8260)
D-6	11/14	1645	S:1	2	X	X	X	X	X														X	

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

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	CEL	11-15-07	1400
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Susanne Smith	SECURE LOCATION		
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
TO LSD	LCL	11/17/07	10:20

Rev. 05-May-06

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11-1440

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: C.R.A DATE: 11/17/07

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.
3.8 °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

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

Initial: HT

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: HT

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

November 30, 2007

Ana Friel
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.: 07-11-1431**
Client Reference: 1285 Bancroft Ave., San Leandro, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/17/2007 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.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	EPA 3050B / EPA 7471A Total
	Method:	EPA 6010B / EPA 7471A
	Units:	mg/kg
Project: 1285 Bancroft Ave., San Leandro, CA		Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-B	07-11-1431-6	11/16/07	Solid	ICP 5300	11/20/07	11/20/07	071120L01

Comment(s): -Mercury was analyzed on 11/20/2007 5:38:12 PM with batch 071120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	3.48	0.750	1		Molybdenum	1.40	0.250	1	
Barium	208	0.500	1		Nickel	2.91	0.250	1	
Beryllium	1.19	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	0.574	0.250	1		Thallium	ND	0.750	1	
Cobalt	1.53	0.250	1		Vanadium	3.33	0.250	1	
Copper	2.29	0.500	1		Zinc	33.6	1.00	1	
Lead	23.3	0.500	1						

D-A	07-11-1431-7	11/16/07	Solid	ICP 5300	11/20/07	11/20/07	071120L01

Comment(s): -Mercury was analyzed on 11/20/2007 5:40:24 PM with batch 071120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.37	0.750	1		Molybdenum	ND	0.250	1	
Barium	147	0.500	1		Nickel	50.6	0.250	1	
Beryllium	0.495	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	36.5	0.250	1		Thallium	ND	0.750	1	
Cobalt	10.5	0.250	1		Vanadium	28.1	0.250	1	
Copper	19.8	0.500	1		Zinc	44.7	1.00	1	
Lead	8.91	0.500	1						

Method Blank	099-04-007-5,130	N/A	Solid	Mercury	11/20/07	11/20/07	071120L01

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-10,102	N/A	Solid	ICP 5300	11/20/07	11/20/07	071120L01

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:	11/17/07
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-B	**07-11-1431-6**	**11/16/07**	**Solid**	**GC 23**	**11/21/07**	**11/22/07**	**071121B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	1100	50	2		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	89	61-145			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-A	**07-11-1431-7**	**11/16/07**	**Solid**	**GC 23**	**11/21/07**	**11/22/07**	**071121B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	55	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	97	61-145			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-254-334**	**N/A**	**Solid**	**GC 23**	**11/21/07**	**11/21/07**	**071121B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	111	61-145			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	11/17/07
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-B	**07-11-1431-6**	**11/16/07**	**Solid**	**GC 23**	**11/21/07**	**11/22/07**	**071121B06**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	370	10	2		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	61-145	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-A	**07-11-1431-7**	**11/16/07**	**Solid**	**GC 23**	**11/21/07**	**11/22/07**	**071121B06**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	5.2	5.0	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-275-1,193**	**N/A**	**Solid**	**GC 23**	**11/21/07**	**11/21/07**	**071121B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1431
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-B	07-11-1431-6	11/16/07	Solid	GC 18	11/19/07	11/19/07	071119B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	105	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-A	07-11-1431-7	11/16/07	Solid	GC 18	11/19/07	11/19/07	071119B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	48	12	25		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	106	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-279-1,318	N/A	Solid	GC 18	11/19/07	11/19/07	071119B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	103	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-279-1,319	N/A	Solid	GC 18	11/19/07	11/19/07	071119B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5.0	10		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	104	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	11/17/07
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: 1285 Bancroft Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-B	**07-11-1431-6**	**11/16/07**	**Solid**	**FLAA**	**11/29/07**	**11/29/07**	**071129L05**

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

Method Blank	099-10-020-776	N/A	Solid	FLAA	11/29/07	11/29/07	071129L05

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	mg/kg

Project: 1285 Bancroft Ave., San Leandro, CA — Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-B	**07-11-1431-6**	**11/16/07**	**Solid**	**GC/MS X**	**11/19/07**	**11/19/07**	**071119L01**

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	102	73-139			1,2-Dichloroethane-d4	112	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	99	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-A	**07-11-1431-7**	**11/16/07**	**Solid**	**GC/MS X**	**11/20/07**	**11/20/07**	**071120L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		p/m-Xylene	0.033	0.0050	1	
Ethylbenzene	0.011	0.0050	1		o-Xylene	0.014	0.0050	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	73-139			1,2-Dichloroethane-d4	104	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	97	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-005-15,110**	**N/A**	**Solid**	**GC/MS X**	**11/19/07**	**11/19/07**	**071119L01**

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	100	73-139			1,2-Dichloroethane-d4	103	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	95	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-005-15,113**	**N/A**	**Solid**	**GC/MS X**	**11/20/07**	**11/20/07**	**071120L01**

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	102	73-139			1,2-Dichloroethane-d4	102	73-145		
Toluene-d8	96	90-108			1,4-Bromofluorobenzene	95	71-113		

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1532-7	Solid	ICP 5300	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	32	31	50-115	2	0-20	3
Arsenic	102	100	75-125	2	0-20	
Barium	9	4	75-125	2	0-20	3
Beryllium	103	100	75-125	3	0-20	
Cadmium	104	101	75-125	2	0-20	
Chromium	106	100	75-125	4	0-20	
Cobalt	105	102	75-125	2	0-20	
Copper	96	93	75-125	2	0-20	
Lead	104	99	75-125	4	0-20	
Molybdenum	98	95	75-125	4	0-20	
Nickel	105	101	75-125	2	0-20	
Selenium	85	83	75-125	1	0-20	
Silver	99	97	75-125	2	0-20	
Thallium	97	94	75-125	3	0-20	
Vanadium	102	97	75-125	3	0-20	
Zinc	66	61	75-125	3	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1431
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-A	Solid	GC 23	11/26/07	11/27/07	071121S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	79	81	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1431
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1429-5	Solid	GC 23	11/21/07	11/21/07	071121S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	99	103	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1431
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1339-2	Solid	GC 18	11/19/07	11/19/07	071119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	74	83	48-114	10	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	DHS LUFT
	Method:	DHS LUFT

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-B	Solid	FLAA	11/29/07	11/29/07	071129S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	57	58	22-148	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1431
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1532-7	Solid	Mercury	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	90	90	84-138	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 11/17/07
Work Order No: 07-11-1431
Preparation: EPA 5030B
Method: EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1440-1	Solid	GC/MS X	11/19/07	11/19/07	071119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	83	82	79-115	2	0-13	
Carbon Tetrachloride	68	68	55-139	1	0-15	
Chlorobenzene	73	68	79-115	7	0-17	3
1,2-Dibromoethane	81	79	70-130	2	0-30	
1,2-Dichlorobenzene	55	52	63-123	6	0-23	3
1,1-Dichloroethene	85	82	69-123	4	0-16	
Ethylbenzene	74	68	70-130	8	0-30	3
Toluene	79	76	79-115	4	0-15	3
Trichloroethene	79	74	66-144	7	0-14	
Vinyl Chloride	74	71	60-126	4	0-14	
Methyl-t-Butyl Ether (MTBE)	90	87	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	79	83	44-134	4	0-37	
Diisopropyl Ether (DIPE)	92	89	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	92	89	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	91	79-115	2	0-12	
Ethanol	96	81	42-138	18	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	11/17/07
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1471-1	Solid	GC/MS X	11/20/07	11/20/07	071120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	96	79-115	1	0-13	
Carbon Tetrachloride	91	91	55-139	0	0-15	
Chlorobenzene	94	96	79-115	2	0-17	
1,2-Dibromoethane	95	97	70-130	2	0-30	
1,2-Dichlorobenzene	92	94	63-123	2	0-23	
1,1-Dichloroethene	98	91	69-123	7	0-16	
Ethylbenzene	98	99	70-130	1	0-30	
Toluene	96	99	79-115	3	0-15	
Trichloroethene	97	97	66-144	0	0-14	
Vinyl Chloride	97	95	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	99	99	68-128	0	0-14	
Tert-Butyl Alcohol (TBA)	104	98	44-134	6	0-37	
Diisopropyl Ether (DIPE)	99	100	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	102	102	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	104	79-115	4	0-12	
Ethanol	104	99	42-138	5	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,102	Solid	ICP 5300	11/20/07	11/20/07	071120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	102	102	80-120	0	0-20	
Arsenic	96	95	80-120	1	0-20	
Barium	99	102	80-120	3	0-20	
Beryllium	93	94	80-120	1	0-20	
Cadmium	99	100	80-120	1	0-20	
Chromium	99	102	80-120	3	0-20	
Cobalt	100	100	80-120	0	0-20	
Copper	93	90	80-120	3	0-20	
Lead	100	101	80-120	1	0-20	
Molybdenum	99	99	80-120	0	0-20	
Nickel	104	103	80-120	1	0-20	
Selenium	91	91	80-120	1	0-20	
Silver	95	93	80-120	2	0-20	
Thallium	97	96	80-120	1	0-20	
Vanadium	95	96	80-120	0	0-20	
Zinc	102	105	80-120	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-334	Solid	GC 23	11/21/07	11/22/07	071121B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	76	83	75-123	9	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-1,193	Solid	GC 23	11/21/07	11/21/07	071121B06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	107	116	75-123	8	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-1,319	Solid	GC 18	11/19/07	11/19/07	071119B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	99	70-124	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-1,318	Solid	GC 18	11/19/07	11/19/07	071119B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	99	70-124	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	07-11-1431
Emeryville, CA 94608-2008	Preparation:	DHS LUFT
	Method:	DHS LUFT

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-776	Solid	FLAA	11/29/07	NONE	071129L05

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	12.5	12.4	99	72-126	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,130	Solid	Mercury	11/20/07	11/20/07	071120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	96	95	87-117	1	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,110	Solid	GC/MS X	11/19/07	11/19/07	071119L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	88	84-114	2	0-7	
Carbon Tetrachloride	84	85	66-132	1	0-12	
Chlorobenzene	89	89	87-111	0	0-7	
1,2-Dibromoethane	87	90	80-120	3	0-20	
1,2-Dichlorobenzene	87	88	79-115	1	0-8	
1,1-Dichloroethene	96	91	73-121	5	0-12	
Ethylbenzene	93	93	80-120	0	0-20	
Toluene	90	89	78-114	2	0-7	
Trichloroethene	88	87	84-114	1	0-8	
Vinyl Chloride	79	78	63-129	1	0-15	
Methyl-t-Butyl Ether (MTBE)	83	87	77-125	4	0-11	
Tert-Butyl Alcohol (TBA)	78	93	47-137	17	0-27	
Diisopropyl Ether (DIPE)	89	89	76-130	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	85	89	76-124	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	87	90	82-118	4	0-11	
Ethanol	83	97	59-131	16	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	07-11-1431
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: 1285 Bancroft Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-15,113	Solid	GC/MS X	11/20/07	11/20/07	071120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	93	84-114	4	0-7	
Carbon Tetrachloride	99	99	66-132	0	0-12	
Chlorobenzene	97	94	87-111	3	0-7	
1,2-Dibromoethane	96	95	80-120	1	0-20	
1,2-Dichlorobenzene	99	95	79-115	4	0-8	
1,1-Dichloroethene	98	95	73-121	3	0-12	
Ethylbenzene	100	97	80-120	3	0-20	
Toluene	99	95	78-114	4	0-7	
Trichloroethene	97	92	84-114	6	0-8	
Vinyl Chloride	90	94	63-129	4	0-15	
Methyl-t-Butyl Ether (MTBE)	101	98	77-125	2	0-11	
Tert-Butyl Alcohol (TBA)	101	108	47-137	6	0-27	
Diisopropyl Ether (DIPE)	101	100	76-130	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	103	102	76-124	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	104	101	82-118	3	0-11	
Ethanol	95	91	59-131	4	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-1431

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: Denis Brown

- ☑ 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 6 0 6 7

PO #:

SAP or CRMT #:

Date: 11/15/07

PAGE: 1 of 1

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

ADDRESS:
5900 Hollis St, Suite A, Emeryville, CA 94608

PROJECT CONTACT (Hardcopy or PDF Report to):		
Ana Friel		
TELEPHONE:	FAX:	E-MAIL:
707 268 3812	707 268 8180	afriel@craworld.com

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
1285 Bancroft Ave, San Leandro	CA	T0600101224

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Ballard, Felicia, CRA, Sonoma	707 933 2360	sonomaedf@craworld.com	240504-008

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 11-1431

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 (8260 B)	TPHd - Extractable (8015M) w/SGC	BTEX (8260B)	MTBE (8260B)	TBA (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Greese EPA 9070	Chlorinated hydorcarbons 8260	EDB & EDC 8082	1,2-dichloroethane (8260B)	Ethylene dibromide (8260B)	Ethanol (8260B)	TPHmo (8015m)	Cam 17 Metals Cd, Cr, Pb, Zn, Ni	PCB, PCP, PNAs Creosote 8270	Total Desolved Solids (160.1)	Total Iron (6010B)	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
1	D-9 B	11/15	1040	SOIL	1	X	X	X			●							X	X					Please call
2	D-10 B	"	1050																					composite
3	D-13 A	11/16	1030																					samples
4	D-14 A	↓	↓																					D-B
5	D-12 A																							and D-A

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	CER	11-16-07	1505
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
to GSO	1/2	11/17/07	1020
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/02/06 Revision

11-1431

Contingent analyses for composite samples

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

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 1431

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA DATE: 11/17/07

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):

3.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

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

Initial: HT

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: HT

COMMENTS: