CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: May 25, 2011

REFERENCE NO.: 240724

PROJECT NAME: 8999 San Ramon Road, Dublin

TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Subsurface Investigation Report

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the content of this document, please contact Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Cheryl Dizon, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551
Carl Cox, C and J Cox Corporation, 4431 Stoneridge Drive, Pleasanton, CA 94588

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

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

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Shell-branded Service Station
8999 San Ramon Road
Dublin, California
SAP Code 135244
Incident No. 97565995
Agency No. RO0002744

Dear Mr. Wickham:

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

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

Denis L. Brown
Senior Program Manager

SUBSURFACE INVESTIGATION REPORT

SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD
DUBLIN, CALIFORNIA

SAP CODE 135244
INCIDENT NO. 97565995
AGENCY NO. RO0002744

Prepared by:
Conestoga-Rovers & Associates

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MAY 25, 2011
REF. NO. 240724 (3)
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TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

EXECUTIVE SUMMARY

- Three groundwater monitoring wells (MW-7, MW-9, and MW-11) were properly destroyed because they did not provide useful groundwater data.
- Eight groundwater monitoring wells (MW-2R, MW-2RB, MW-2RC, MW-13, MW-13B, MW-13C, MW-14B, and MW-14C) were installed to further delineate horizontal and vertical groundwater impacts down gradient from the site.
- TPHg, BTEX, MTBE, and TBA were not detected in soil samples collected during this investigation.
- Only two TPHd detections (170 mg/kg in MW-2RC at 5.5 fbg and 3,600 mg/kg in MW-13C at 5.5 fbg) in soil exceeded RWQCB ESLs. Based on the soil types and sample depths, these detections may be related to fill imported to the site.
- Well MW-14C appears to have been compromised during installation and will be reinstalled and developed.
- CRA recommends including the new wells in the groundwater monitoring program for at least a full hydrologic cycle (approximately one year).

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent subsurface investigation at this site. During this investigation, CRA properly destroyed three off-site wells which did not provide useful groundwater data and installed eight groundwater monitoring wells to further delineate horizontal and vertical groundwater impacts down gradient from the site. CRA followed the scope of work and procedures presented in Delta Consultant's (Delta's) October 5, 2009 *Work Plan for Well Installations and Well Destructions*, which was approved in Alameda County Environmental Health's (ACEH's) November 13, 2009 letter. Delta's April 5, 2010 *Well Installation Report* provided details of the on-site portion of the investigation proposed in their October 5, 2009 work plan. Due to difficulty completing an access agreement with the off-site property owner, ACEH's May 3, 2010 letter and September 10, 2010, December 6, 1010, and April 21, 2011 electronic correspondence granted extensions of the due date for the off-site well installations and destructions, ultimately to May 25, 2011.

The site is an operating Shell-branded service station located at the southeast corner of San Ramon Road and Alcosta Boulevard in Dublin, California (Figure 1). The site layout (Figure 2) includes a kiosk, store, a car wash, three dispenser islands, and four fuel underground storage tanks.

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

2.0 WELL DESTRUCTION

2.1 FIELD DATES

February 16 and February 17, 2011.

2.2 PERSONNEL PRESENT

Geologist William Martinez directed the well destructions under the supervision of California Professional Geologist Peter Schaefer.

2.3 DESTRUCTION METHOD

After removing the well boxes, wells MW-7, MW-9, and MW-11 were destroyed by pressure grouting. A copy of the Zone 7 Water Agency (Zone 7) well destruction permit is included in Appendix B.

2.4 WASTE DISPOSAL

Construction debris generated during field activities was stored on site in 55-gallon drums and transported for disposal as nonhazardous waste.

3.0 WELL INSTALLATION

3.1 PERMIT

CRA obtained a drilling permit from Zone 7 (Appendix B).

3.2 FIELD DATES

February 17, February 18, February 21 through February 23, February 28, and March 1 through March 3, 2011.

3.3 DRILLING COMPANY

Cascade Drilling, L.P.

3.4 PERSONNEL PRESENT

Geologist William Martinez directed the drilling under the supervision of California Professional Geologist Aubrey Cool.

3.5 DRILLING METHOD

Hollow-stem auger.

3.6 NUMBER OF BORINGS

Eight soil borings were drilled and converted to two shallow water-bearing zone wells (MW-2R and MW-13), three intermediate-zone wells (MW-2RB, MW-13B, and MW-14B), and three deep-zone wells (MW-2RC, MW-13C, and MW-14C).

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

3.7 BORING DEPTHS

Shallow-zone wells: 45 feet below grade (fbg).
Intermediate-zone wells: 68 fbg.
Deep-zone wells: 101.5 to 111.5 fbg.

3.8 GROUNDWATER DEPTH

Groundwater was first-encountered at 40 fbg.

3.9 WASTE DISPOSAL

Rinsate generated during field activities and water displaced from the borings during well construction were stored on site in 55-gallon drums, sampled, and profiled for disposal. Soil generated during field activities was stored in a roll-off bin, sampled, and profiled for disposal. Waste disposal confirmation documentation is pending and will be provided by CRA upon request.

3.10 WELL DEVELOPMENT

On May 11 and May 13, 2011, Blaine Tech Services, Inc. successfully developed the new wells, with the exception of well MW-14C which could not be cleared below 85 fbg (5 feet above the well screen). The well appears to be compromised and will be reinstalled. Well development field data sheets are included in Appendix D.

4.0 FINDINGS

4.1 SOIL

The soil chemical analytical data are summarized in Table 1, and total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons gasoline, benzene, and methyl tertiary-butyl ether analytical results are shown on Figure 2. Laboratory analytical reports are presented in Appendix E.

5.0 CONCLUSIONS

No constituents of concern except TPHd were detected in soil samples collected during this investigation. The soil boring data indicate that concentrations of TPHd in two of the soil samples collected at a depth of 5.5 fbg exceed San Francisco Bay Regional Water Quality Control Board environmental screening levels for shallow soil where groundwater is a potential drinking water source (commercial/industrial land use). Based on the soil types and shallow sample depths, these detections may be related to fill imported to the site.

6.0 RECOMMENDATIONS

As discussed above, well MW-14C will be reinstalled and developed.

CRA recommends including the new wells in the groundwater monitoring program for at least a full hydrologic cycle (approximately one year). Wells MW-2R, MW-2RB, MW-2RC, MW-13, MW-13B, MW-13C, and MW-14B were developed and sampled during the second quarter 2011. Well MW-14C will be sampled after it is successfully reinstalled and developed. These results will be submitted under a separate cover, in our groundwater monitoring report, to ACEH by August 30, 2011.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

02/08/2011

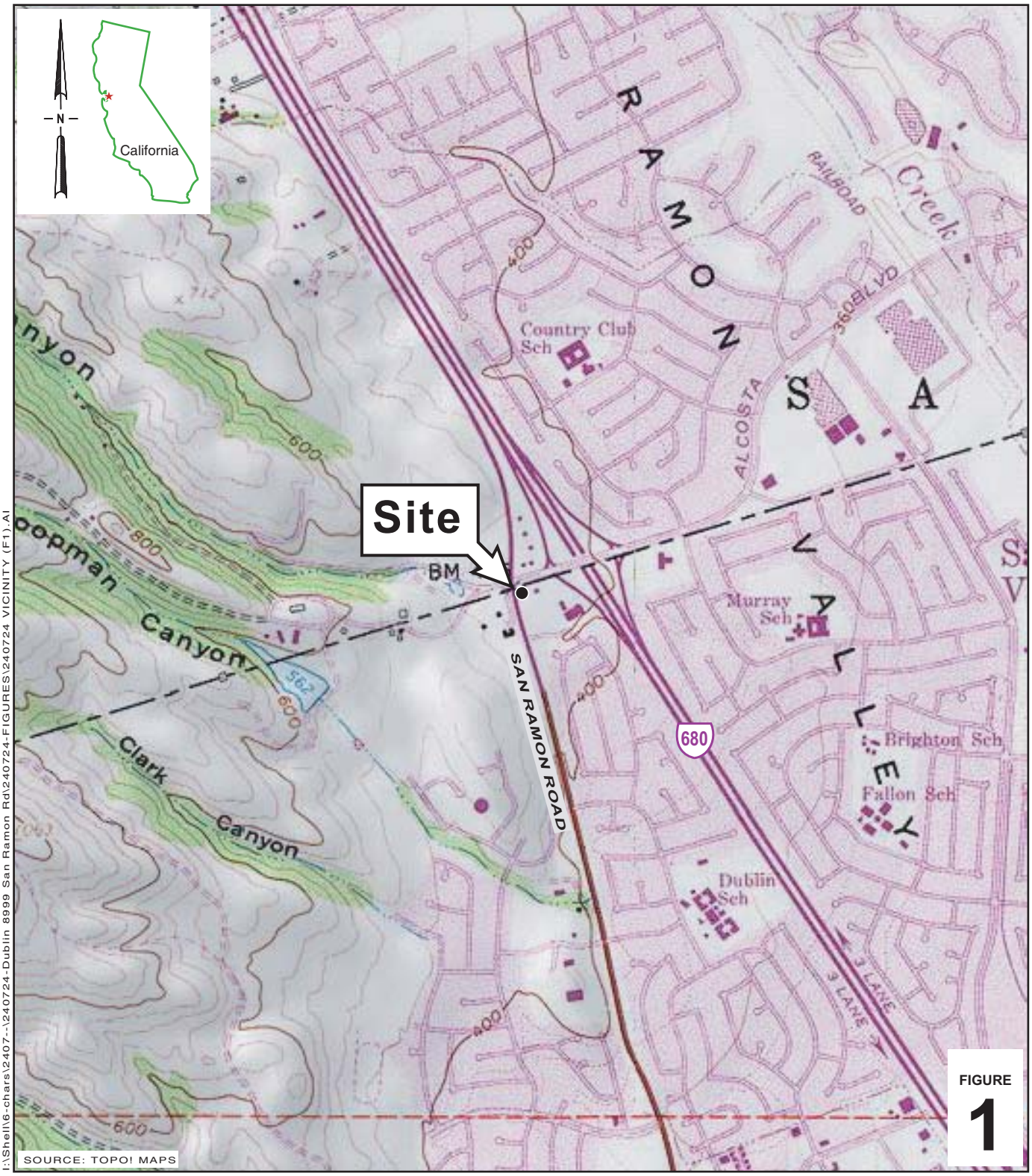


FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

I:\Shell\6-chars\2407-\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724 VICINITY (F1).AI

Shell-branded Service Station

8999 San Ramon Road

Dublin, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

EXPLANATION

- **MW-5** — Shallow zone monitoring well location
- **MW-5B** — Intermediate zone monitoring well location
- **MW-5C** — Deep zone monitoring well location
- **MW-1** — Destroyed well location

ID	Depth	TPHd	TPHg	Benzene	MTBE
MW-2RC-5.5	5.5	**170**	<0.20	<0.00099	<0.0020
MW-2RC-15.5	15.5	<5.0	<0.19	<0.00099	<0.0020
MW-2RC-25.5	25.5	<5.0	<0.20	<0.00099	<0.0020
MW-2RC-35.5	35.5	<5.0	<0.19	<0.00099	<0.0020

Notes:
Soil sample ID, depth in feet below grade, and concentrations in milligrams per kilogram
TPHd = Total petroleum hydrocarbons as diesel
TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
<X = Not detected at reporting limit X

ALCOSTA BOULEVARD

I-680 ON-RAMP

SAN RAMON ROAD

Shell Station
8999 San Ramon Rd.

MW-1R, MW-1, MW-2, MW-3, MW-3R, MW-4, MW-5, MW-5B, MW-5C, MW-6, MW-7, MW-8, MW-8B, MW-9, MW-10, MW-11, MW-11B, MW-12, MW-13, MW-13B, MW-13C, MW-14B, MW-14C, MW-2R, MW-2RB, MW-2RC

Dispenser Islands, Canopy, Kiosk, USTs, Store, Restaurant & Stores, Parking Lot, Planter, Condos

ID	Depth	TPHd	TPHg	Benzene	MTBE
MW-2RC-5.5	5.5	**170**	<0.20	<0.00099	<0.0020
MW-2RC-15.5	15.5	<5.0	<0.19	<0.00099	<0.0020
MW-2RC-25.5	25.5	<5.0	<0.20	<0.00099	<0.0020
MW-2RC-35.5	35.5	<5.0	<0.19	<0.00099	<0.0020

ID	Depth	TPHd	TPHg	Benzene	MTBE
MW-14C-5.5	5.5	26	<0.20	<0.0010	<0.0020
MW-14C-15.5	15.5	<5.0	<0.19	<0.0010	<0.0020
MW-14C-25.5	25.5	<5.0	<0.20	<0.00099	<0.0020
MW-14C-35.5	35.5	<5.0	<0.20	<0.0010	<0.0020

ID	Depth	TPHd	TPHg	Benzene	MTBE
MW-13C-5.5	5.5	**3,600**	<0.19	<0.0010	<0.0020
MW-13C-15.5	15.5	<5.0	<0.19	<0.00099	<0.0020
MW-13C-25.5	25.5	<5.0	<0.19	<0.0010	<0.0020
MW-13C-35.5	35.5	<5.0	<0.19	<0.00099	<0.0020

N

0 20 40ft

Figure 2

Soil Chemical Concentrations Map
Shell-branded Service Station
8999 San Ramon Road
Dublin, California

I:\Shell\6-chars\2407--\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724 SITE PLAN (SOIL DATA).DWG (05/20/2011)

TABLE

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
D-1-2.5	7/30/2004	2.5	---	17	<0.020	<0.020	0.10	0.49	**0.038**	0.062	<0.039	<0.020	<0.020	<0.020	<0.020	---	4.7
D-2-2.5	7/30/2004	2.5	**170**[a]	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	7.0
D-3-2.5	7/30/2004	2.5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	6.2
D-4-2.5	7/30/2004	2.5	---	**4,700**	<5.0	**130**	**57**	**440**	<5.0	<25	<10	<5.0	<5.0	<5.0	<5.0	---	6.8
D-5-2.5	7/30/2004	2.5	---	<50	<0.50	<0.50	<0.50	<0.50	**9.0**	**11**	<1.0	<0.50	<0.50	<0.50	<0.50	---	6.9
D-6-2.5	7/30/2004	2.5	<1.0	---	<0.50	<0.50	<0.50	<0.50	**1.5**	**20**	<1.0	<0.50	<0.50	<0.50	<0.50	---	7.6
D-7-2.5	7/30/2004	2.5	---	<50	<0.50	<0.50	<0.50	<0.50	**1.4**	**3.3**	<1.0	<0.50	<0.50	<0.50	<0.50	---	4.6
P-1-5.0	8/25/2004	5	<1.0	<50	<0.50	<0.50	<0.50	<0.50	**4.2**	**3.8**	<1.0	<0.50	<0.50	<0.50	<0.50	<25	6.1
P-2-5.0	8/25/2004	5	28[a]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**8.4**	<1.0	<0.50	<0.50	<0.50	<0.50	<25	8.0
P-3-5.0	8/25/2004	5	<1.0	<50	<0.50	<0.50	<0.50	<0.50	**2.1**	**8.3**	<1.0	<0.50	<0.50	<0.50	<0.50	<25	4.3
P-4-5.0	8/25/2004	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.095**	**0.71**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	6.4
P-5-5.0	8/25/2004	5	<1.0	<4.7	<0.023	<0.023	<0.023	<0.023	**0.11**	<0.047	<0.047	<0.023	<0.023	<0.023	<0.023	<0.47	4.6
P-6-5.0	8/25/2004	5	<1.0	<1.0	<0.0050	0.018	<0.0050	0.0082	**0.048**	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	6.0
P-7-4.0	8/25/2004	4	1.7[c]	**210**	<0.50	<0.50	<0.50	1.0	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	3.6
P-8-4.5	8/25/2004	4.5	<1.0	<50	<0.50	<0.50	<0.50	<0.50	**4.6**	**8.1**	<1.0	<0.50	<0.50	<0.50	<0.50	<25	7.0
SW-1-3.5'	8/27/2004	3.5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.031	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
SW-1-6'	8/27/2004	6	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.021	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
SW-2-3.5'	8/27/2004	3.5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.010	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
SW-2-6'	8/27/2004	6	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.12**	0.026	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
SW-3-2'	8/27/2004	2	<1.0	<1.0	<0.0050	<0.0050	<0.0050	0.0065	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
SW-3-6'	8/27/2004	6	7.5[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
SW-4-2.5'	8/27/2004	2.5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.10**	0.023	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
SW-4-6'	8/27/2004	6	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.016	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
EB-1-7.5'	8/27/2004	7.5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
T-1-4'	8/27/2004	4	<1.0	<4.6	<0.023	0.27	0.070	0.50	**0.10**	**0.078**	<0.046	<0.023	<0.023	<0.023	<0.023	<0.46	---
T-2-4'	8/27/2004	4	**9,300**[c]	**3,900**	<1.0	**32**	**7.4**	**44**	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<50	---
T-3-4'	8/27/2004	4	<1.0	<4.6	<0.023	<0.023	<0.023	<0.023	**0.25**	**0.34**	<0.046	<0.023	<0.023	<0.023	<0.023	<0.46	---
T-4-4'	8/27/2004	4	<1.0	<1.0	<0.0050	0.013	<0.0050	0.0089	**0.096**	0.047	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-1-4'	9/2/2004	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.048**	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-2-4'	9/2/2004	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.25**	**0.42**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-3-3.5'	9/2/2004	3.5	5.2[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**1.2**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-4-4'	9/2/2004	4	44[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.92**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-5-4'	9/2/2004	4	**130**[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.72**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-7-4'	9/2/2004	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.028**	**0.43**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-8-4.5'	9/2/2004	5	29[a]	**280**	<0.50	<0.50	<0.50	3.0	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	---
TX-9-3.5'	9/2/2004	5	5.3[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.30**	**0.30**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-10-3.5'	9/2/2004	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.034**	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-11-3	9/2/2004	3	<1.0	<4.5	<0.023	<0.023	<0.023	<0.023	**0.73**	**0.71**	<0.045	<0.023	<0.023	<0.023	<0.023	<0.45	---
TX-12-3'	9/2/2004	3	**1,200**[a]	<50	<0.50	<0.50	<0.50	**2.4**	**1.2**	**7.1**	<1.0	<0.50	<0.50	<0.50	<0.50	<25	---
TX-13-2.5'	9/2/2004	5	**140**[a]	3.9	<0.0050	0.0070	0.015	0.088	0.0058	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-14-3.5'	9/2/2004	5	9.8[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.071**	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-15-3.5'	9/2/2004	5	48[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
TX-16-3.5'	9/2/2004	5	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.023	**0.15**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-17-3.5'	9/2/2004	5	25[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-6-1'	9/2/2004	1	3.4[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.24**	**0.49**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-6-2'	9/2/2004	2	<1.0	<4.8	<0.024	<0.024	<0.024	<0.024	**0.52**	**1.8**	<0.048	<0.024	<0.024	<0.024	<0.024	<0.48	---
TX-6-3'	9/2/2004	3	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.24**	**0.32**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-6-4'	9/2/2004	4	4.7[a]	<1.0	<0.0050	<0.0050	<0.0050	0.031	**0.22**	**0.22**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-6-1a'	9/2/2004	1	30[d]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.15**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---
TX-6-2a'	9/2/2004	2	1.1[c]	<4.8	<0.024	<0.024	<0.024	0.10	**0.098**	**0.13**	<0.048	<0.024	<0.024	<0.024	<0.024	<0.48	---
TX-6-3a'	9/2/2004	3	**290**[c]	**2,000**	<1.0	**11**	**29**	**180**	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<50	---
SW-5-2.5'	9/7/2004	2.5	<1.0	<3.2	<0.016	<0.016	<0.016	<0.016	**0.061**	**0.95**	<0.032	<0.016	<0.016	<0.016	<0.016	---	---
SW-6-2.5'	9/7/2004	2.5	**16,000**[a]	**8,500**[e]	<5.0	<5.0	<5.0	<5.0	<5.0	**170**	<10	<5.0	<5.0	<5.0	<5.0	---	---
SW-7-2'	9/7/2004	2	22[c]	**440**[e]	<0.50	<0.50	<0.50	<0.50	<0.50	**3.3**	<1.0	<0.50	<0.50	<0.50	<0.50	---	---
SW-8-2'	9/7/2004	2	9.9[c]	8.1[e]	<0.019	<0.019	0.019	0.11	**0.38**	**0.12**	<0.38	<0.019	<0.019	<0.019	<0.019	---	---
SW-9-1.5	9/7/2004	1.5	**540**[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.033**	**0.15**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---
SW-10-1.5'	9/7/2004	1.5	**270**[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.026**	**0.18**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---
SW-11-3.5'	9/7/2004	3.5	1.4[a]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.30**	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---
SW-12-3.5'	9/7/2004	3.5	<1.0	<3.3	<0.017	<0.017	<0.017	<0.017	<0.017	**2.3**	<0.033	<0.017	<0.017	<0.017	<0.017	---	---
SW-13-2'	9/7/2004	2	14[b]	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---
SW-14-2.5'	9/7/2004	2.5	**200**[a]	<4.5	<0.022	<0.022	<0.022	<0.022	0.023	**6.5**	<0.045	<0.022	<0.022	<0.022	<0.022	---	---
GP-1@5'	5/2/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.12**	0.069	---	---	---	---	---	---	---
GP-1@10'	5/2/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.034**	**0.16**	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
GP-1@15'	5/2/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.43**	**0.31**	---	---	---	---	---	---	---
GP-1@20'	5/2/2005	20	<1.0	<4.0	<0.02	<0.02	<0.02	<0.02	**0.16**	**0.28**	---	---	---	---	---	---	---
GP-1@25'	5/2/2005	25	<1.0	<3.7	<0.018	<0.018	<0.018	<0.018	<0.018	**0.56**	---	---	---	---	---	---	---
GP-2@5'	5/2/2005	5	<1.0	<50	<0.05	<0.05	<0.05	<0.05	**1.5**	<2.5	---	---	---	---	---	---	---
GP-2@10'	5/2/2005	10	1.7	<50	<0.05	<0.05	<0.05	<0.05	**0.72**	**12**	---	---	---	---	---	---	---
GP-2@15'	5/2/2005	15	<1.0	<50	<0.05	<0.05	<0.05	<0.05	**9.5**	**4.7**	---	---	---	---	---	---	---
GP-2@20'	5/2/2005	20	<1.0	<50	<0.05	<0.05	<0.05	<0.05	<0.05	**8**	---	---	---	---	---	---	---
GP-2@25'	5/2/2005	25	<1.0	<50	<0.05	<0.05	<0.05	<0.05	<0.05	**13**	---	---	---	---	---	---	---
GP-3@4'	4/29/2005	4	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GP-3@5'	4/29/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.11**	0.058	---	---	---	---	---	---	---
GP-3@10'	5/2/2005	10	2.2	<1.0	<0.005	<0.005	<0.005	<0.005	**0.18**	0.041	---	---	---	---	---	---	---
GP-3@15'	5/2/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.14**	0.035	---	---	---	---	---	---	---
GP-3@20'	5/2/2005	20	1.2	<1.0	<0.005	<0.005	<0.005	<0.005	0.022	0.011	---	---	---	---	---	---	---
GP-3@25'	5/2/2005	25	3.3	<1.0	<0.005	<0.005	<0.005	<0.005	0.023	0.037	---	---	---	---	---	---	---
GP-5@4.5'	4/29/2005	4.5	14	**1,000**	<0.5	**3.3**	**10**	**76**	<0.5	<2.5	---	---	---	---	---	---	---
GP-5@5'	4/29/2005	5	<1.0	2.1	0.031	0.033	0.071	0.56	0.01	<0.01	---	---	---	---	---	---	---
GP-5@10'	5/3/2005	10	<1.0	<50	<0.5	<0.5	<0.5	0.016	**0.32**	**0.12**	---	---	---	---	---	---	---
GP-5@15'	5/3/2005	15	1.6	<50	<0.5	<0.5	<0.5	<0.5	**6.9**	<2.5	---	---	---	---	---	---	---
GP-5@20'	5/3/2005	20	1.6	<50	<0.5	<0.5	<0.5	<0.5	**2.2**	<2.5	---	---	---	---	---	---	---
GP-5@25'	5/3/2005	25	3.8	290	<0.5	<0.5	<0.5	9	**1.7**	<2.5	---	---	---	---	---	---	---
GP-6@5'	4/29/2005	5	9.7	<50	<0.5	<0.5	<0.5	<0.5	**5.3**	**7.3**	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
GP-6@10'	5/2/2005	10	8.8	<2.1	<0.011	<0.011	<0.011	<0.011	**0.11**	**2.5**	---	---	---	---	---	---	---
GP-6@15'	5/2/2005	15	2.8	<50	<0.5	<0.5	<0.5	<0.5	**20**	**4.6**	---	---	---	---	---	---	---
GP-6@20'	5/2/2005	20	1.9	<50	<0.5	<0.5	<0.5	<0.5	**17**	<2.5	---	---	---	---	---	---	---
GP-6@25'	5/2/2005	25	1.9	<50	<0.5	<0.5	<0.5	<0.5	**1.3**	**4.5**	---	---	---	---	---	---	---
GP-7@5'	4/29/2005	5	2.3	1.5	0.0096	<0.005	0.035	0.099	**0.19**	**0.093**	---	---	---	---	---	---	---
GP-7@10'	5/2/2005	10	2.1	<50	<0.5	<0.5	<0.5	<0.5	**0.91**	<2.5	---	---	---	---	---	---	---
GP-7@15'	5/2/2005	15	38	<50	<0.5	<0.5	<0.5	<0.5	**5.3**	<2.5	---	---	---	---	---	---	---
GP-7@20'	5/2/2005	20	2.1	<50	<0.5	<0.5	<0.5	<0.5	**3**	<2.5	---	---	---	---	---	---	---
GP-7@25'	5/2/2005	25	6.8	<4.5	<0.023	<0.023	<0.023	<0.023	**0.83**	**1.4**	---	---	---	---	---	---	---
GP-8@3.5'	4/29/2005	3.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.34**	**0.20**	---	---	---	---	---	---	---
GP-8@5'	4/29/2005	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.073**	0.021	---	---	---	---	---	---	---
GP-8@11'	5/3/2005	11	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.38**	**0.17**	---	---	---	---	---	---	---
GP-8@15'	5/3/2005	15	1.6	<1.0	<0.005	<0.005	<0.005	<0.005	**0.37**	0.018	---	---	---	---	---	---	---
GP-8@20'	5/3/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.0083	0.012	---	---	---	---	---	---	---
GP-8@25'	5/3/2005	25	1.2	<1.0	<0.005	<0.005	<0.005	<0.005	0.017	0.059	---	---	---	---	---	---	---
GP-9@5'	4/29/2005	5	1.7	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	---	---	---	---	---	---	---
GP-9@10'	5/4/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.2**	**0.15**	---	---	---	---	---	---	---
GP-9@15'	5/4/2005	15	<1.0	<50	<0.5	<0.5	<0.5	<0.5	**5.6**	**3.6**	---	---	---	---	---	---	---
GP-9@20'	5/4/2005	20	<1.0	<50	<0.5	<0.5	<0.5	<0.5	**8.2**	**7.8**	---	---	---	---	---	---	---
GP-9@25'	5/4/2005	25	<1.0	<50	<0.5	<0.5	<0.5	<0.5	**3.5**	**6.5**	---	---	---	---	---	---	---
GP-10@5'	4/29/2005	5	<1.0	<4.7	<0.23	<0.23	<0.23	<0.23	**0.2**	**0.28**	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
GP-10@10'	5/4/2005	10	<1.0	<3.7	<0.019	<0.019	<0.019	<0.019	**1.3**	**1.1**	---	---	---	---	---	---	---
GP-10@15'	5/4/2005	15	<1.0	<50	<0.5	<0.5	<0.5	<0.5	**10**	**5.2**	---	---	---	---	---	---	---
GP-10@20'	5/4/2005	20	2	<50	<0.5	<0.5	<0.5	<0.5	**8.4**	<2.5	---	---	---	---	---	---	---
GP-10@25'	5/4/2005	25	<1.0	<50	<0.5	<0.5	<0.5	<0.5	**5.4**	**15**	---	---	---	---	---	---	---
GP-11@5'	4/29/2005	5	1.6	<2.0	<0.01	<0.01	<0.01	<0.01	**0.18**	0.052	---	---	---	---	---	---	---
GP-11@10'	5/3/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.077**	**0.077**	---	---	---	---	---	---	---
GP-11@15'	5/3/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.38**	**0.37**	---	---	---	---	---	---	---
GP-11@20'	5/3/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.069**	**0.25**	---	---	---	---	---	---	---
GP-11@25'	5/3/2005	25	<1.0	<4.9	<0.025	<0.025	<0.025	<0.025	**1.5**	**1**	---	---	---	---	---	---	---
GP-12@5'	4/29/2005	5	<1.0	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	---	---	---	---	---	---	---
GP-12@10'	5/4/2005	10	1.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GP-12@15'	5/4/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.014	0.024	---	---	---	---	---	---	---
GP-12@20'	5/4/2005	20	1.4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GP-12@25'	5/4/2005	25	1.7	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	---	---	---	---	---	---	---
GP-13@1.5'	4/29/2005	1.5	13	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	---	---	---	---	---	---	---
GP-13@5'	4/29/2005	5	<1.0	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	---	---	---	---	---	---	---
GP-13@10'	5/3/2005	10.5	1.5	<1.0	<0.005	<0.005	<0.005	<0.005	0.0057	<0.01	---	---	---	---	---	---	---
GP-13@15'	5/3/2005	15	11	<1.0	<0.005	<0.005	<0.005	<0.005	0.019	<0.01	---	---	---	---	---	---	---
GP-13@20'	5/3/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.012	0.021	---	---	---	---	---	---	---
GP-13@25'	5/3/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.021	0.016	---	---	---	---	---	---	---
GP-14@5'	4/29/2005	5	2.1	<5.0	<0.025	<0.025	<0.025	<0.025	**0.6**	**0.47**	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
GP-14@11'	5/2/2005	11	1.8	<4.0	<0.02	<0.02	<0.02	<0.02	**0.72**	**0.39**	---	---	---	---	---	---	---
GP-14@15'	5/2/2005	15	1.3	<1.0	<0.005	<0.005	<0.005	<0.005	0.0068	**0.3**	---	---	---	---	---	---	---
GP-14@20'	5/2/2005	20	<1.0	<4.7	<0.024	<0.024	<0.024	<0.024	**0.049**	**2.8**	---	---	---	---	---	---	---
GP-14@25'	5/2/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.065**	**1.1**	---	---	---	---	---	---	---
MW-1@5'	5/2/2005	5	1.3	<1.0	<0.005	<0.005	<0.005	<0.005	**0.19**	**0.16**	---	---	---	---	---	---	---
MW-1@10'	5/5/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**14**	**3**	---	---	---	---	---	---	---
MW-1@15'	5/5/2005	15	<1.0	<2.5	<0.025	<0.025	<0.025	0.026	**17**	**4.6**	---	---	---	---	---	---	---
MW-1@20'	5/5/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**1.2**	**2.7**	---	---	---	---	---	---	---
MW-1@25'	5/5/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.04**	**5.9**	---	---	---	---	---	---	---
MW-2@5'	5/2/2005	5	<1.0	<50	<0.5	<0.5	<0.5	<0.5	**1.2**	<2.5	---	---	---	---	---	---	---
MW-2@10'	5/5/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	0.067	0.012	---	---	---	---	---	---	---
MW-2@15'	5/5/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-2@20'	5/5/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-2@25'	5/5/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.017	---	---	---	---	---	---	---
MW-3@5'	5/2/2005	5	1.2	<1.0	<0.005	<0.005	<0.005	<0.005	0.018	0.01	---	---	---	---	---	---	---
MW-3@10'	5/5/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-3@15'	5/5/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-3@20'	5/5/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-3@25'	5/5/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-4@5'	5/2/2005	5	2.8	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
MW-4@10'	5/6/2005	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.0057	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
MW-4@15'	5/6/2005	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.023	---	---	---	---	---	---	---
MW-4@20'	5/6/2005	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.0058	---	---	---	---	---	---	---
MW-4@25'	5/6/2005	25	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
Sewer Trench Backfill-2.5'	5/26/2005	2.5	1.6	<1.0	<0.005	<0.005	<0.005	<0.005	**0.044**	0.046	---	---	---	---	---	---	---
MW-6@10'	2/23/2006	10	1.2	<2.5	<0.05	<0.05	<0.05	<0.05	**1.4**	<5.0	---	---	---	---	---	---	---
MW-6@15'	2/23/2006	15	1.4	3.8	<0.05	<0.05	<0.05	<0.05	<0.05	<5.0	---	---	---	---	---	---	---
MW-6@20'	2/23/2006	20	1.5	<0.1	<0.005	<0.005	<0.005	<0.005	0.089	<0.02	---	---	---	---	---	---	---
MW-8@15'	7/26/2006	15	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	<0.5	---	---	---	---	---	---	---
MW-8@20'	7/26/2006	20	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	<0.5	---	---	---	---	---	---	---
MW-10@5'	7/25/2006	5	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	0.017	<0.5	---	---	---	---	---	---	---
MW-10@10'	7/26/2006	10	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	**0.16**	<0.5	---	---	---	---	---	---	---
MW-10@15'	7/26/2006	15	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	**0.044**	<0.5	---	---	---	---	---	---	---
MW-10@19.5'	7/26/2006	19.5	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	<0.5	---	---	---	---	---	---	---
MW-10@25'	7/26/2006	25	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	**0.2**	---	---	---	---	---	---	---
MW-10@28'	7/26/2006	28	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	**0.096**	---	---	---	---	---	---	---
MW-11@5'	7/25/2006	5	<2.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	<0.5	---	---	---	---	---	---	---
MW-1R@10'	2/10/2010	10	**440**	<0.5	<0.005	<0.005	<0.005	<0.005	**0.032**	**1.3**	<0.01	<0.01	<0.01	---	---	---	---
MW-1R@35'	2/10/2010	35	<5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	**0.12**	<0.01	<0.01	<0.01	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*
MW-3R	2/11/2010	30	<5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.01	<0.01	---	---	---	---
MW-2RC-5.5	2/22/2011	5.5	**170**	<0.20	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	---	---	---	---	---	---	---
MW-2RC-15.5	2/22/2011	15.5	<5.0	<0.19	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	---	---	---	---	---	---	---
MW-2RC-25.5	2/22/2011	25.5	<5.0	<0.20	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	---	---	---	---	---	---	---
MW-2RC-35.5	2/22/2011	35.5	<5.0	<0.19	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.020	---	---	---	---	---	---	---
MW-13C-5.5	3/2/2011	5.5	**3,600**	<0.19	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.10	---	---	---	---	---	---	---
MW-13C-15.5	3/2/2011	15.5	<5.0	<0.19	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.099	---	---	---	---	---	---	---
MW-13C-25.5	3/2/2011	25.5	<5.0	<0.19	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.10	---	---	---	---	---	---	---
MW-13C-35.5	3/2/2011	35.5	<5.0	<0.19	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.099	---	---	---	---	---	---	---
MW-14C-5.5	2/28/2011	5.5	26	<0.20	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.10	---	---	---	---	---	---	---
MW-14C-15.5	2/28/2011	15.5	<5.0	<0.19	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.10	---	---	---	---	---	---	---
MW-14C-25.5	2/28/2011	25.5	<5.0	<0.20	<0.00099	<0.00099	<0.00099	<0.0020	<0.0020	<0.099	---	---	---	---	---	---	---
MW-14C-35.5	2/28/2011	35.5	<5.0	<0.20	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.10	---	---	---	---	---	---	---
Shallow Soil (≤10 fbg) ESL [1]:			83	83	0.044	2.9	3.3	2.3	0.023	0.075	NA	NA	NA	0.0045	0.00033	NA	750
Deep Soil (>10 fbg) ESL [1]:			83	83	0.044	2.9	3.3	2.3	0.023	0.075	NA	NA	NA	0.0045	0.00033	NA	750

Notes:

All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
fbg = Feet below grade
TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8015; analytical methods for 2005 and 2006 samples are unknown.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; analytical methods for 2005 and 2006 samples are unknown.
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; analytical methods for 2005 and 2006 samples are unknown.

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*	*Lead*

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B; analytical methods for 2005 and 2006 samples are unknown.
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B; analytical methods for 2005 and 2006 samples are unknown.
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 = 1,2-dibromoethane analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B
Lead analyzed by EPA Method 6010B
<x = Not detected at reporting limit x
--- = Not analyzed
ESL = Environmental screening level
NA = Not applicable
Results in **bold** equal or exceed applicable ESL

a = Hydrocarbon reported does not match the pattern of laboratory diesel standard.
b = Hydrocarbon reported in the late diesel range, and does not match laboratory diesel standard.
c = Hydrocarbon reported in the early diesel range, and does not match laboratory diesel standard.
d = Compound reported reflects individual or discrete unidentified peaks detected in the dieself range. The pattern does not match a typical fuel standard.
e = Hydrocarbon reported in the gasoline range does not match laboratory standard.
f = San Francisco Bay Regional Water Quality Control Board commercial/industrial ESL for soil where groundwater is a source of drinking water (Tables A and C of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* , California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).

APPENDIX A

SITE HISTORY

SITE HISTORY

1997 Well Destructions: In November 1997, Cambria Environmental Technology, Inc. (Cambria) destroyed four 4-inch diameter underground storage tank (UST) observation wells by tremmie pipe grouting. Well destruction details are presented in Cambria's December 16, 1997 *Tank Observation Well Abandonment Report.*

2004 Well Survey: In February 2004, Cambria conducted a well survey of California Department of Water Resources records of driller's reports for water-producing wells within one-half mile of the site. Cambria also reviewed the California Geotracker database for information on public water supply wells. No water-producing wells of any type (domestic, irrigation, industrial, municipal, or public water supply) were identified. The well survey results were presented in Cambria's December 17, 2004 *Agency Response* letter.

2004 Fuel System Upgrade and Over-Excavation: From July through September 2004, Wayne Perry Construction, Inc. (Wayne Perry) upgraded fuel dispensers and piping. Wayne Perry replaced the dispensers and subsequently removed and replaced all fuel piping. On July 30, 2004, Cambria collected seven soil samples (D-1 through D-7) from beneath the dispensers. The soil samples contained up to 170 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as diesel (TPHd), 4,700 mg/kg total petroleum hydrocarbons as gasoline (TPHg), 130 mg/kg toluene, 57 mg/kg ethylbenzene, 440 mg/kg xylenes, 9.0 mg/kg methyl tertiary-butyl ether (MTBE) and 20 mg/kg tertiary-butyl alcohol (TBA). Based on these results, Shell Oil Products US (Shell) submitted an UST Unauthorized Release (Leak) / Contamination Site Report (URR) dated August 3, 2004.

On August 25, 2004, Cambria collected eight samples (P-1 through P-8) of native soil beneath the former product piping at depths between 3.5 and 5 feet below grade (fbg). Samples collected from beneath the product piping contained up to 28 mg/kg TPHd, 210 mg/kg TPHg, 0.018 mg/kg toluene, 1.0 mg/kg xylenes, 4.6 mg/kg MTBE, and 8.4 mg/kg TBA. During this sampling event, separate-phase hydrocarbons (SPHs) were observed beneath geo-textile fabric near sample location P-6-5.0, at the northeastern-most corner of the original fuel piping layout. Wayne Perry removed between 15 and 20 gallons of SPHs and water from the trench. Based on the observation of SPHs, Shell submitted a second URR dated August 26, 2004.

Following the observation of SPHs, Cambria collected 13 trench bottom and sidewall samples (SW-1 through SW-4, EB-1-7.5', and T-1 through T-4). Up to 9,300 mg/kg TPHd, 3,900 mg/kg TPHg, 32 mg/kg toluene, 7.4 mg/kg ethylbenzene, 44 mg/kg xylenes, 0.25 mg/kg MTBE, and 0.34 mg/kg TBA were detected in the trench bottom and sidewall soil samples. At the request of Alameda County Environmental Health (ACEH), Wayne Perry excavated a 10 by 10-foot area to 7.5 fbg in the area where SPHs were previously observed. During the excavation activities, no additional SPHs were observed.

Based on trench bottom and sidewall soil sample analytical results, Wayne Perry over-excavated the product trenches and dispenser locations and over-excavated a 10 by 10-foot area to 5 fbg in the vicinity of the southeastern-most dispenser (D-7). All pea gravel and geo-textile fabric were removed from the piping trenches. The trenches were widened to between 3 and 4 feet horizontally and deepened 1 to 2 feet vertically in some locations. Cambria then collected 23 trench excavation bottom samples (TX-1 through TX-17). Up to 1,200 mg/kg TPHd, 2,000 mg/kg TPHg, 11 mg/kg toluene, 29 mg/kg ethylbenzene, 180 mg/kg xylenes, 1.2 mg/kg MTBE, and 7.1 mg/kg TBA were detected in the over-excavation soil samples. The laboratory noted that the hydrocarbons reported as TPHd and TPHg did not match the laboratory's standard for diesel and gasoline, respectively.

Based on a review of sampling results with ACEH, Cambria collected 10 additional sidewall confirmation samples (SW-4 through SW-14) above a clay layer in areas where impacted soil appeared to remain in the sidewall. Up to 16,000 mg/kg TPHd, 8,500 mg/kg TPHg, 0.019 mg/kg ethylbenzene, 0.11 mg/kg xylenes, 0.38 mg/kg MTBE, and 170 mg/kg TBA were detected in the sidewall confirmation soil samples.

Cambria collected an SPH sample (FP-W) from the trench at the northeastern-most corner of the original fuel piping layout which Shell determined to be severely weathered unleaded gasoline with no fuel oxygenates. In addition, Cambria subsequently inspected two remaining large-diameter UST backfill wells for SPH and found none.

Approximately 225 tons of soil were removed and disposed off site and 4 gallons of SPHs were removed and recycled during these activities. Cambria's October 13, 2004 *Dispenser and Piping Upgrade and Over-Excavation Sampling Report* presents the results of fuel system upgrade and over-excavation activities

and Cambria's December 17, 2004 *Agency Response* letter provides additional details of this work.

2005 Subsurface Investigation: In May 2005, Delta Consultants (Delta) drilled 13 Geoprobe® borings (GP-1 through GP-3 and GP-5 through GP-14), 1 cone penetrometer test (CPT) boring (CPT-1), and 5 groundwater monitoring wells (MW-1 through MW-5). Soil samples from the Geoprobe® borings contained up to 380 mg/kg TPHd, 1,000 mg/kg TPHg, 0.031 mg/kg benzene, 3.3 mg/kg toluene, 10 mg/kg ethylbenzene, 76 mg/kg xylenes, 20 mg/kg MTBE, and 13 mg/kg TBA. Grab groundwater samples collected from GP-3, GP-10 through GP-12, and CPT-1 contained up to 2,500 micrograms per liter (µg/l) TPHd, 220 µg/l TPHg, 5.4 µg/l benzene, 89,000 µg/l MTBE and 120,000 µg/l TBA. Soil samples from the well borings contained up to 2.8 mg/kg TPHd, 0.026 mg/kg xylenes, 17 mg/kg MTBE, and 5.9 mg/kg TBA.

2006 Subsurface Investigation: In February and July 2006, Delta drilled three CPT borings to collect grab groundwater samples and installed six groundwater monitoring wells (MW-6 through MW-11). Grab groundwater samples from the CPT borings contained up to 810 µg/l TPHd, 760 µg/l TPHg, 0.80 µg/l benzene, 2,400 µg/l MTBE and 170 µg/l TBA. Soil samples from the well borings contained up to 1.4 mg/kg TPHd, 3.8 mg/kg TPHg, 1.4 mg/kg MTBE, and 0.2 mg/kg TBA. Delta's September 29, 2006 *Soil and Groundwater Investigation and Monitoring Well Installation Report* provides investigation details.

2008 Well Destructions: In May 2008, Delta destroyed six groundwater monitoring wells (MW-1 through MW-4, MW-6, and MW-10) by pressure grouting prior to station remodeling activities. Well destruction activities are detailed in Delta's June 9, 2008 *Monitoring Well Destruction Report.*

2010 Subsurface Investigation: In February 2010, Delta installed two groundwater monitoring wells (MW-1R and MW-3R) to replace wells properly destroyed prior to station remodeling. Soil samples collected from the well borings contained up to 440 mg/kg TPHd, 0.032 mg/kg MTBE, and 1.3 mg/kg TBA. Delta's April 5, 2010 *Well Installation Report* provides details of this investigation.

2005-Present Groundwater Monitoring: Groundwater has been monitored on site since May 2005. During the most recent quarterly groundwater monitoring event on November 8, 2010, maximum concentrations of 730 µg/l TPHd, 340 µg/l TPHg, 370 µg/l MTBE, and 2,500 µg/l TBA were detected.

APPENDIX B

PERMITS

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 8999 San Ramon Road
Dublin, CA 94568

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN 941-164-1-7

CLIENT
Name Shell Oil Products
Address 20945 S. Wilmington Ave Phone (704) 865-0251
City Carson Zip 90810

APPLICANT
Name William Martinez of Conestoga-Rovers & Associates
Email wmartinez@craworld.com Fax (916) 889-8999
Address 10969 Trade Center Dr. #107 Phone (916) 889-8906
City Rancho Cordova Zip 95670

TYPE OF PROJECT:

Well Construction	__	Geotechnical Investigation	__
Well Destruction	✓	Contamination Investigation	__
Cathodic Protection	__	Other _____	__

PROPOSED WELL USE:

Domestic	__	Irrigation	__
Municipal	__	Remediation	✓
Industrial	__	Groundwater Monitoring	__
Dewatering	__	Other _____	__

DRILLING METHOD:
Mud Rotary __ Air Rotary __ Hollow Stem Auger ✓
Cable Tool __ Direct Push __ Other Pressure grout ✓

DRILLING COMPANY Cascade Drilling, LP

DRILLER'S LICENSE NO. C57# 938110

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number 3

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 2/10/2011
ESTIMATED COMPLETION DATE 2/22/2011

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE William Martinez Date 2/1/2011

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2011009
WELL NUMBER 2S/1W-35B2, 35B4, 35B5 (MW-7, MW-9 & MW-11)
APN 941-0164-001-07

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

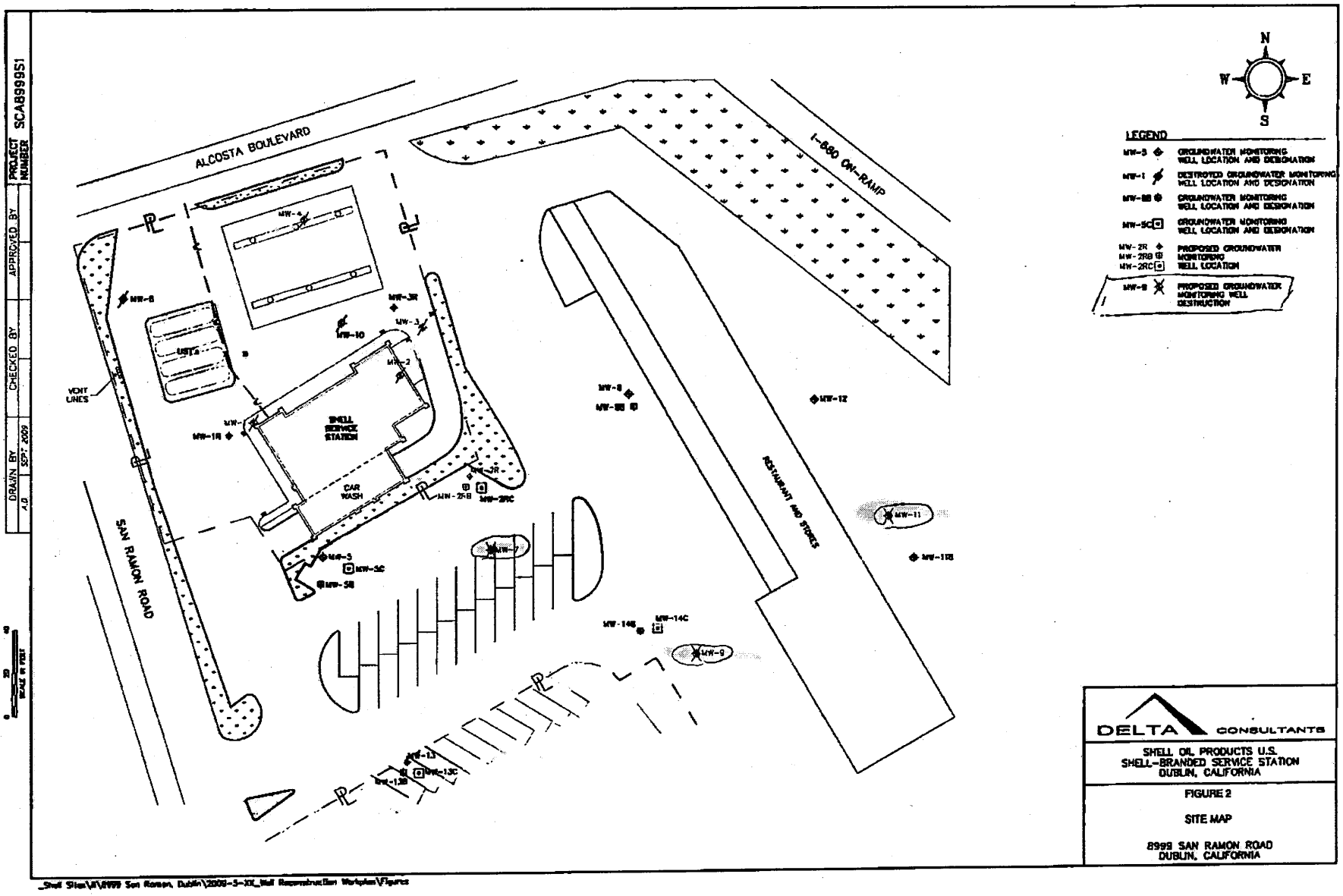
E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 2/4/11
Wyman Hong

Revised: January 4, 2010



_Shell Sites\A\8999 San Ramon, Dublin\2009-5-XX_Well Reconstruction Workplan\Figures

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 8999 San Ramon Road
Dublin, CA 94568

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN 941-164-1-7

CLIENT
Name Shell Oil Products
Address 20945 S. Wilmington Ave Phone (707)-865-0251
City Carson Zip 90810

APPLICANT
Name William Martinez of Conestoga-Rovers & Associates
Email wmartinez@craworld.com Fax (916) 889-8999
Address 10969 Trade Center Dr #107 Phone (916) 889-8906
City Rancho Cordova Zip 95670

TYPE OF PROJECT:

Well Construction	8	Geotechnical Investigation	—
Well Destruction	—	Contamination Investigation	—
Cathodic Protection	—	Other	—

PROPOSED WELL USE:

Domestic	—	Irrigation	—
Municipal	—	Remediation	—
Industrial	—	Groundwater Monitoring	✓
Dewatering	—	Other	—

DRILLING METHOD:
Mud Rotary — Air Rotary — Hollow Stem Auger ✓
Cable Tool — Direct Push — Other —

DRILLING COMPANY Cascade Drilling, LP
DRILLER'S LICENSE NO. C57 # 938110

WELL SPECIFICATIONS:
Drill Hole Diameter 12 in. Maximum
Casing Diameter 4 in. Depth 100 ft.
Surface Seal Depth 91 ft. Number 8

SOIL BORINGS:
Number of Borings 3 Maximum
Hole Diameter 12 in. Depth 29.5 ft.

ESTIMATED STARTING DATE 2/10/2011
ESTIMATED COMPLETION DATE 2/22/2011

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE William Martinez Date 2/1/2011

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2011008
WELL NUMBER 2S/1W-35B13 to 35B20
APN 941-0164-001-07

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
3. Permit is void if project not begun within 90 days of approval date.
4. Notify Zone 7 at least 24 hours before the start of work.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

(C.) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

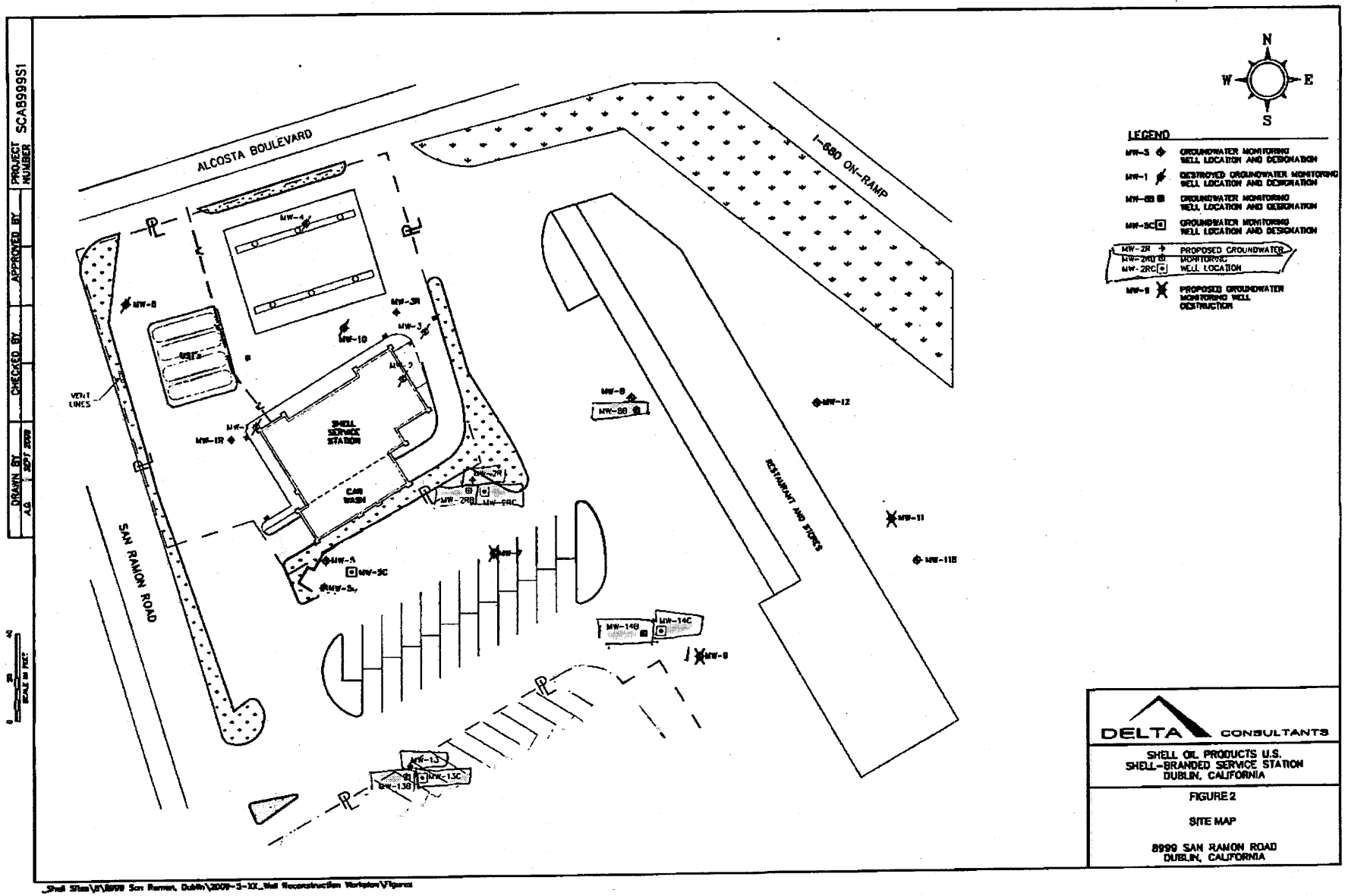
E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 2/4/11
Wyman Hong

Revised: January 4, 2010



_Shell Sites\R\8999 San Ramon, Dublin\2009-3-10_Well Reconstruction Workplan\Figures

APPENDIX C

BORING LOGS

Boring/Well Log Legend

KEY TO SYMBOLS/ABBREVIATIONS

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

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

fbg = Feet below grade

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

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

msl = Mean sea level

Soils logged according to the USCS.

UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) SUMMARY

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

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CONESTOGA-ROVERS & ASSOCIATES

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2R
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	23-Feb-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	11-May-11 (39.0 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	416.21 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	415.82 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	30 to 45 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	20.87 fbg (11-May-11) ▼
REMARKS	Airknifed 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
				5			See boring log MW-2RC for lithology.		Portland Type I/II
				10					
				15					
				20					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2R
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	23-Feb-11

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
				25					2" diam., Schedule 40 PVC
									Bentonite Seal
				30					Monterey Sand #2/12
				35					2"-diam., 0.010" Slotted Schedule 40 PVC
				40					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2R
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	23-Feb-11

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
				45				45.0	Bottom of Boring @ 45 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RB
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	22-Feb-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	11-May-11 (72.0 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	415.97 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	415.66 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	58 to 68 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	22.28 fbg (11-May-11) ▼
REMARKS	Airknifed 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
							See boring log MW-2RC for lithology.		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RB
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	22-Feb-11

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
				25					Portland Type I/II
				30					
				35					
				40					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RB
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	22-Feb-11

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
				45					2" diam., Schedule 40 PVC
				50					Bentonite Seal
				55					Monterey Sand #2/12
				60					2"-diam., 0.010" Slotted Schedule 40 PVC
				65					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RB
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	22-Feb-11

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
								68.0	Bottom of Boring @ 68 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RC
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	21-Feb-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	11-May-11 (35.4 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	416.18 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	415.97 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	96 to 106 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	27.01 fbg (11-May-11)
REMARKS	Airknifed 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	
							GRAVEL BASE	0.5	
					CL		**CLAY (CL):** black (5Y 2.5/1), moist, 60% clay, 35% silt, 5% fine gravel, medium plasticity, fill.	3.0	
0.1	7/9/14	MW-2R C -5.5		5	CH		**CLAY (CH):** greenish black (5GY 2.5/1), moist, 75% clay, 25% silt, high plasticity, fill.	8.3	
0.1	4/9/12	MW-2R C -10.5		10	ML		**SILT (ML):** dark brown (7.5YR 4/3), moist, 35% clay, 60% silt, 5% fine gravel, medium plasticity.	13.3	
0.3	11/7/13	MW-2R C -15.5		15	CL		**CLAY with sand (CL):** very dark greenish gray (5GY 3/1), moist, 45% clay, 30% silt, 20% fine sand, 5% fine gravel, medium plasticity.	20.0	
				20					

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RC
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	21-Feb-11

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	7/7/14	MW-2R C -20.5			CL		@ 20 fbg; **Sandy CLAY (CL):** 55% clay, 10% silt, 30% fine sand, 5% fine gravel.		
0.0	9/12/18	MW-2R C -25.5		25			@ 25 fbg; **CLAY with sand (CL):** dark brown (7.5YR 3/2), 65% clay, 20% silt, 15% fine to coarse sand.	28.3	
0.1	7/7/9	MW-2R C -30.5		30	ML		**SILT (ML):** dark yellowish brown (10YR 4/4), moist, 30% clay, 60% silt, 10% fine sand, low plasticity.		
0.2	9/12/15	MW-2R C -35.5		35			@ 35 fbg; 30% clay, 60% silt, 10% fine gravel.	38.3	
0.1	10/10/10	MW-2R C -40.5		40	CH		**CLAY (CH):** reddish brown (2.5YR 4/4), wet, 65% clay, 35% silt, high plasticity.		Portland Type I/II

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240724-1\244DE5~1\240724.GPJ DEFAULT.GDT 5/25/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RC
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	21-Feb-11

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
								43.3	
2.6	5/5/10	MW-2R C -45.5		45	CL		**CLAY (CL):** greenish black (10Y 2.5/1), moist, 60% clay, 40% silt, medium plasticity.		
								48.3	
0.1	8/9/12	MW-2R C -50.5		50	ML		**Sandy SILT (ML):** dark grayish brown (10YR 4/2), moist, 10% clay, 60% silt, 25% fine sand, 5% fine gravel, low plasticity.		
0.7	6/6/10	MW-2R C -55.5		55			@ 55 fbg; **SILT with sand (ML):** brown (10YR 4/3), 25% clay, 60% silt, 15% fine sand.	58.3	
0.1	7/9/14	MW-2R C -60.5		60	CH		**CLAY with sand (CH):** brown (10YR 4/3); moist, 75% clay, 10% silt, 15% fine sand, high plasticity.	63.3	
0.0	10/10/10	MW-2R C		65			**SILT (ML):** light olive brown (2.5Y 5/4), moist, 25% clay, 70% silt, 5% fine sand, low plasticity.		

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240724~1\244DE5~1\240724.GPJ DEFAULT.GDT 5/25/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RC
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	21-Feb-11

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
		-60.5							
				70					
2.1	11/10/18	MW-2R C -70.5			ML				
				75			@ 75 fbg;**Sandy SILT (ML):** 10% clay, 60% silt, 30% sand.		
2.2	11/10/10	MW-2R C -75.5							
				80			@ 80 fbg; 10% clay, 50% silt, 40% sand.		
0.1	9/10/17	MW-2R C -80.5						83.3	
				85	SM		**Silty SAND (SM):** light olive brown (2.5Y 5/4), wet, 10% clay, 30% silt, 60% fine sand.		2" diam., Schedule 40 PVC
0.3	7/10/16	MW-2R C -85.5			CL		**CLAY with sand (CL):** light olive brown (2.5Y 5/4), moist, 45% clay, 30% silt, 20% fine sand, 5% fine gravel, medium plasticity.	86.0	
								88.3	

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240724-1\244DE5-1\240724.GPJ DEFAULT.GDT 5/25/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RC
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	21-Feb-11

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
0.0	9/13/12	MW-2R C -90.5	90	ML	**SILT with sand (ML):** light olive brown (2.5Y 5/4), moist, 10% clay, 70% silt, 20% fine sand, low plasticity.	
0.0	10/12/16	MW-2R C -95.5	95		@ 95 fbg;**Sandy SILT (ML):** wet, 10% clay, 55% silt, 35% fine sand.	98.3
0.0	14/50 for 6"	MW-2R C -100.5	100	SC	**Clayey SAND (SC):** light olive gray (2.5YR 5/4), wet, 20% clay, 10% silt, 70% fine sand.	101.4
				GC	**Clayey GRAVEL with sand (GC):** light olive gray (2.5YR 5/4), wet.	103.3
0.3	12/50 for 6"	MW-2R C -105.5	105	SP SM	**SAND with silt (SP-SM):** weak red (2.5YR 4/2), wet, 10% silt, 90% coarse sand. **Clayey SAND (SC):** light olive gray (2.5YR 5/4), wet, 20% clay, 10% silt, 70% fine sand.	106.0
				CL	**Sandy CLAY with gravel (CL):** weak red (2.5YR 4/2), moist, 50% clay, 30% coarse sand, 20% gravel, low plasticity.	108.3
0.0	3/3/4	MW-2R C -110.5	110	GP	**GRAVEL with sand (GP):** weak red (2.5YR 4/2), wet, 5% clay, 15% coarse sand, 80% fine gravel.	111.5

WELL DIAGRAM: Bentonite Seal; Monterey Sand #2/12; 2"-diam., 0.010" Slotted Schedule 40 PVC; Backfilled with Bentonite.

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240724-1\244DE5~1\240724.GPJ DEFAULT.GDT 5/25/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-2RC
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	21-Feb-11

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
									Bottom of Boring @ 111.5 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	13-May-11 (33.0 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	416.31 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	415.77 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	30 to 45 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	24.60 fbg (13-May-11) ▼
REMARKS	Airknifed 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
							See boring log MW-13C for lithology.		Portland Type I/II

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
				25					2" diam., Schedule 40 PVC Bentonite Seal Monterey Sand #2/12 2"-diam., 0.010" slotted Schedule 40 PVC
				30					
				35					
				40					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
				45				45.0	Bottom of Boring @ 45 fbg

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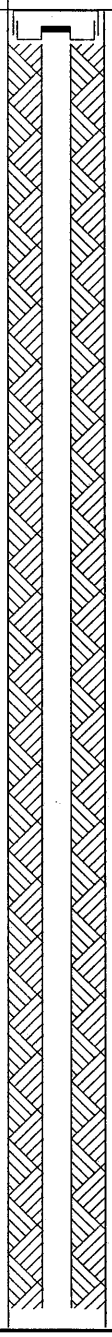
BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	03-Mar-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	13-May-11 (72.0 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	416.10 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	415.39 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	58 to 68 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	23.40 fbg (13-May-11) ▼
REMARKS	Airknifed 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
							See boring log MW-13C for lithology.		



Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	03-Mar-11

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
				25					Portland Type I/II
				30					
				35					
				40					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	03-Mar-11

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
				45					2" diam., Schedule 40 PVC
				50					Bentonite Seal
				55					Monterey Sand #2/12
				60					2" diam., 0.020 slotted Schedule 40 PVC
				65					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	03-Mar-11

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
								68.0	Bottom of Boring @ 68 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	13-May-11 (101.0 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	415.73 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	415.73 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	85 to 95 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	26.55 fbg (13-May-11) ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					ASPHALT	0.3
				CL	**Gravelly CLAY (CL):** dark reddish gray (10R 4/1), moist, 40% clay, 30% silt, 30% gravel, low plasticity, fill.	
				CH	**CLAY (CH):** very dark gray (5YR 3/1), moist, 80% clay, 15% silt, 5% fine gravel, high plasticity, fill.	3.0
				ML	**SILT with sand (ML):** very dark gray (5YR 3/1), moist, 30% clay, 55% silt, 10% fine sand, 5% fine gravel, medium plasticity, fill.	4.0
			5			5.0
0.0	4/5/5	MW-13 C -5.5		CL	**CLAY with sand (CL):** dark reddish brown (5YR 2.5/2), moist, 50% clay, 30% silt, 20% fine sand, medium plasticity, fill.	
						8.3
			10	ML	**Sandy SILT (ML):** brown (2.5YR 5/2), moist, 10% clay, 60% silt, 20% fine sand, 10% fine gravel, low plasticity.	
0.3	7/12/6	MW-13 C -10.5				
			15			
0.2	10/10/10	MW-13 C -15.5				
			20			20.0

WELL DIAGRAM

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
0.2	17/32/36	MW-13 C -20.5			ML		@ 20 fbg; **SILT (ML):** pale yellow (2.5YR 7/4), dry, 90% silt, 10% fine sand.	23.3	
0.4	7/10/13	MW-13 C -25.5		25	CL		**CLAY (CL):** brown (7.5 YR 5/2), moist, 60% clay, 35% silt, 5% fine gravel, medium plasticity. ▼	28.3	
0.5	5/5/6	MW-13 C -30.5		30	CH		**CLAY (CH):** very dark grayish brown (2.5Y 3/2), moist, 70% clay, 25% silt, 5% fine gravel, high plasticity.	33.3	
0.2	7/7/10	MW-13 C -35.5		35	CL		**CLAY (CL):** very dark grayish brown (2.5Y 3/2), moist, 50% clay, 40% silt, 10% fine sand, medium plasticity.	38.3	Portland Type I/II
0.2	5/8/8	MW-13 C -40.5		40	ML		**SILT with sand (ML):** very dark grayish brown (2.5Y 3/2), wet, 10% clay, 65% silt, 25% fine sand, low plasticity. ▽		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
								43.3	
0.1	7/9/13	MW-13 C -45.5		45	CL		**CLAY with sand (CL):** very dark grayish brown (2.5Y 3/2), wet, 60% clay, 20% silt, 15% fine sand, 5% fine gravel, medium plasticity.		
								48.3	
0.3	5/10/10	MW-13 C -50.5		50	ML		**SILT (ML):** very dark grayish brown (2.5Y 3/2), moist, 40% clay, 60% silt, medium plasticity.		
0.1	7/9/13	MW-13 C -55.5		55			@55 fbg; 20% clay, 70% silt, 10% sand, low plasticity.		
								58.3	
0.8	10/10/15	MW-13 C -60.5		60	CL		**CLAY with sand (CL):** dark grayish brown (2.5Y 4/2), moist, 60% clay, 20% silt, 15% fine sand, 5% fine gravel, low plasticity.		
								63.3	
0.6	10/10/12	MW-13 C		65			**SILT (ML):** light olive brown (2.5Y 5/3), moist, 40% clay, 60% silt, low plasticity.		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
		-60.5			ML				
0.8	10/10/10	MW-13 C -70.5		70			@ 70 fbg; **Sandy SILT (ML):** 10% clay, 60% silt, 30% fine sand.	73.3	
0.9	10/14/18	MW-13 C -75.5		75	CL		**CLAY (CL):** reddish gray (5YR 5/2), moist, 60% clay, 40% silt, medium plasticity.	78.3	2" diam., Schedule 40 PVC
0.1	10/11/10	MW-13 C -80.5		80	ML		**Sandy SILT (ML):** reddish gray (5YR 5/2), moist, 10% clay, 60% silt, 30% fine sand, low plasticity.	83.3	Bentonite Seal
0.5	7/19/24	MW-13 C -85.5		85	CL		**CLAY with sand (CL):** reddish gray (5YR 5/2), moist, 50% clay, 30% silt, 20% fine sand, medium plasticity.	86.0	Monterey Sand #2/12
					SM		**Silty SAND (SM):** reddish gray (5YR 5/2), moist, 20% silt, 80% fine to medium sand.	88.3	
							SAND (SP): brown (7.5YR 5/2), wet, 95% fine to coarse		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-13C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
				90	SP		sand, 5% fine gravel.		2"-diam., 0.010" Slotted Schedule 40 PVC
0.1	7/9/12	MW-13 C -90.5			ML		**SILT with sand (ML):** brown, (7.5YR 4/3), moist, 25% clay, 50% silt, 20% fine sand, 5% fine gravel, medium plasicity.	91.0	
								93.3	
0.0	12/17/30	MW-13 C -95.5		95	CH		**CLAY (CH):** brown (7.5YR 4/3), moist, 95% clay, 5% coarse sand, high plasticity.		
								98.3	Bentonite Seal
0.0	9/12/15	MW-13 C -100.5		100	ML		**Sandy SILT (ML):** brown (7.5YR 4/3), moist, 60% silt, 40% fine sand, low plasticity.		
								101.5	Bottom of Boring @ 101.5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240724-\1244DE5-\1240724.GPJ DEFAULT.GDT 5/25/11

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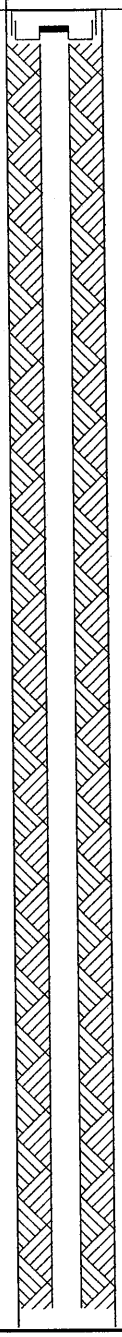
BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	01-Mar-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	13-May-11 (76.0 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	413.33 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	413.33 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	58 to 68 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	20.37 fbg (11-May-11) ▼
REMARKS	Airknifed 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
							See boring log MW-14C for lithology.		



Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	01-Mar-11

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
				25					Portland Type I/II
				30					
				35					
				40					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	01-Mar-11

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
				45					2" diam., Schedule 40 PVC
				50					Bentonite Seal
				55					Monterey Sand #2/12
				60					2"-diam., 0.020" Slotted Schedule 40 PVC
				65					

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14B
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	17-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	01-Mar-11

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
								68.0	Bottom of Boring @ 68 fbg

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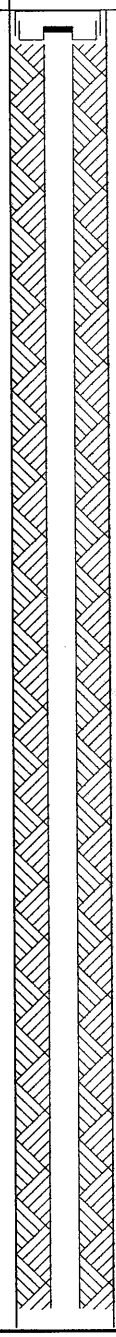
BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11
PROJECT NUMBER	240724	**WELL DEVELOPMENT DATE (YIELD)**	13-May-11 (11.1 gallons)
DRILLER	Cascade Drilling, L.P.	**GROUND SURFACE ELEVATION**	413.85 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	413.48 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	90 to 100 fbg
LOGGED BY	W. Martinez	**DEPTH TO WATER (First Encountered)**	40.00 fbg ▽
REVIEWED BY	P. Schaefer PG#5612	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					ASPHALT	0.4
				ML	**SILT (ML):** brown (5YR 4/3), moist, 40% clay, 50% silt, 10% fine gravel, medium plasticity, fill.	2.0
				CH	**CLAY (CH):** very dark gray (5YR 3/1), moist, 90% clay, 10% silt, high plasticity, fill.	3.3
0.9	4/4/5	MW-14 C-5.5	5		**CLAY with sand (CL):** dark gray (5YR 4/1), moist, 60% clay, 15% silt, 25% fine sand, medium plasticity, fill.	
0.7	4/7/8	MW-14 C-10.5	10	CL		
0.1	4/8/9	MW-14 C-15.5	15		@ 15 fbg; **Sandy CLAY (CL):** very dark gray (5YR 3/1), 65% clay, 35% fine sand.	
			20			18.3

WELL DIAGRAM



WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240724--\1244DE5~1\240724.GPJ DEFAULT.GDT 5/25/11

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
0.3	5/5/5	MW-14 C-20.5			ML		**SILT with sand (ML):** dark yellowish brown (10YR 4/4), moist, 25% clay, 60% silt, 15% fine sand, medium plasticity.	23.3	
0.2	4/9/10	MW-14 C-25.5		25	CL		**CLAY with sand (CL):** brown (10YR 4/3), moist, 70% clay, 10% silt, 20% fine sand, medium plasticity.	28.3	
0.0	8/10/10	MW-14 C-30.5		30	SP-SM		**SAND with silt (SP-SM):** dark yellowish brown (10YR 4/4), moist, 10% silt, 90% coarse sandl.	33.3	
0.0	7/9/12	MW-14 C-35.5		35	CL		**Sandy CLAY (CL):** dark yellowish brown (10YR 4/4), moist, 50% clay, 20% silt, 30% fine sand, medium plasticity.	38.3	Portland Type I/II
0.0	9/7/10	MW-14 C-40.5		40	SP		▽ **SAND (SP):** dark yellowish brown (10YR 4/4), moist, 5% silt, 90% coarse sand, 5% gravel.	41.0	
							CLAY with sand (CL): dark yellowish brown (10YR 4/4), moist, 80% clay, 5% silt, 15% fine sand, medium plasticity.		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
0.6	9/5/6	MW-14 C-45.5		45	CL		@ 45 fbg; wet, 85% clay, 10% sand, 5% gravel, high plasticity.	48.3	
4.3	9/5/6	MW-14 C-50.5		50	ML		**SILT with sand (ML):** dark yellowish brown, moist, 10% clay, 70% silt, 20% fine sand, medium plasticity.	53.3	
0.0	11/7/8	MW-14 C-55.5		55	CL		**CLAY with sand (CL):** dark grayish brown (2.5Y 4/2), moist, 60% clay, 20% silt, 20% fine sand, medium plasticity.		
0.0	9/12/15	MW-14 C-60.5		60			@ 60 fbg; **Sandy CLAY with gravel (CL):** dark yellowish brown (10YR 4/4), wet, 65% clay, 20% fine sand, 15% fine gravel, low plasticity.	63.3	
				65	SP-SM		**SAND with silt and gravel (SP-SM):** yellowish brown (10YR 5/3), wet, 10% silt, 70% fine sand, 20% fine gravel.	65.5	
0.0	10/10/10	MW-14					**Sandy CLAY with gravel (CL):** yellowish brown (10YR		

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
		C-60.5			CL		5/6), moist, 50% clay, 30% sand, 20% gravel, low plasticity.	68.3	
0.1	4/4/4	MW-14 C-70.5		70	SP-SM		**SAND with silt and gravel (SP-SM):** yellowish brown (10YR 5/6), wet, 10% silt, 70% fine sand, 20%fine gravel.	71.0	
0.0	4/6/5	MW-14 C-75.5		75	CL		**Sandy CLAY with gravel (CL):** yellowish brown (10YR 5/6), moist, 50% clay, 30% sand, 20% gravel, low plasticity.	78.3	
0.0	6/8/10	MW-14 C-80.5		80	CH		**CLAY (CH):**yellowish brown (10YR 5/6), moist, 90% clay, 5% fine sand, 5% fine gravel, high plasticity.		2" diam., Schedule 40 PVC
0.0	6/15/20	MW-14 C-85.5		85					Bentonite Seal
									Monterey Sand #2/12

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240724~1\244DE5~1\240724.GPJ DEFAULT.GDT 5/25/11

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14C
JOB/SITE NAME	Shell - branded Service Station	**DRILLING STARTED**	18-Feb-11
LOCATION	8999 San Ramon Road, Dublin, CA	**DRILLING COMPLETED**	02-Mar-11

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
				90				90.5	
0.0	9/9/16	MW-14 C-90.5					**Sandy CLAY (CL):** dark yellowish brown (10YR 3/6), moist, 50% clay, 20% silt, 20% fine sand, 10% fine gravel, medium plasicity.		
				95					2"-diam., 0.010" Slotted Schedule 40 PVC
0.0	9/12/18	MW-14 C-95.5			CL		@ 95 fbg; yellowish brown (10YR 5/6), 60% clay, 40% sand, low plasticity.		
				100					
0.0	7/9/14	MW-14 C-100.5					@ 100 fbg; **CLAY (CL):** yellowish brown (10YR 5/6), 90% clay, 5% silt, 5% fine gravel, medium plasticity. @ 100.5 fbg; **Gravelly CLAY (CL):** wet, low plasticity. @ 101 fbg; **Sandy CLAY (CL)**.	101.5	Bentonite Seal Bottom of Boring @ 101.5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240724-1\244DE5~1\240724.GPJ DEFAULT.GDT 5/25/11

APPENDIX D

BLAINE TECH SERVICES, INC. - WELL DEVELOPMENT FIELD NOTES

WELL GAUGING DATA

Project # 110511-DR1 Date 5/11/11 Client Shell

Site 8999 San Ramon Rd. Dublin Ca.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-2R	1239	2					20.87	45.20		
MW-2RB	1235	2					22.28	67.51		
MW-2RC	1136	2					27.01	100.51		
MW-13	—	—					—	—		
MW-13B	—	—					—	—		
MW-13C	—	—					—	—		
MW-14B	0803	2					20.37	67.57		
MW-14C	0807	2					9.73	79.02	↓	

WELL DEVELOPMENT DATA SHEET

Project #: 110511-DR1	Client: Shell
Developer: (DR) / JP	Date Developed: 5/11/11
Well I.D. MW-2R	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 45.20 After 45.31	Depth to Water: Before 20.87 After 40.78
Reason not developed:	If Free Product, thickness:
Additional Notations: Achieved hard bottom on surge. W'd meter for PH levels. Ga	

* Surged well for 15 minutes

Volume Conversion Factor (VCF): {12 x (d^2/4) x π} /231

where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

3.9	X	10	=	39.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___

Other equipment used Surge block and nylon rope

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW	NOTATIONS:
1442	65.8	7.93	1011	>1000	3.9	30.48	Achieved hard bottom
1450	65.8	8.13	972.3	692	7.8	33.61	
1458	65.2	8.32	969.4	307	11.7	35.42	
1506	66.2	8.34	1013	235	15.6	37.00	
1514	65.6	8.35	971.9	322	19.5	39.15	
1522	66.0	8.31	969.0	309	23.4	39.98	
1530	66.1	8.32	970.4	304	27.3	40.12	
1538	66.1	8.29	967.7	316	31.2	40.54	
1546	66.1	8.30	968.2	312	35.1	40.65	
1554	66.0	8.30	967.9	308	39.0	40.91	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	39.0

WELL DEVELOPMENT DATA SHEET

Project #: 110511-DR1	Client: Shell
Developer: (DR) / JP	Date Developed: 5/11/11
Well I.D. MW-2RB	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 67.51 After 68.22	Depth to Water: Before 22.28 After 26.83
Reason not developed:	If Free Product, thickness:
Additional Notations: Achieved hard bottom on surge.	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

* Surged well for 15 minutes

7.2	X	10	=	72.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___
Other equipment used Surge block and nylon rope

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW	NOTATIONS:
1316	65.4	7.59	882.3	>1000	7.2	25.55	Achieved hard bottom
1323	66.0	7.32	877.2	796	14.4	25.80	
1331	66.1	7.82	874.3	464	21.6	26.38	
1338	66.0	7.81	884.7	322	28.8	26.74	
1345	66.1	7.86	888.6	309	36.0	26.83	
1352	66.3	7.76	887.9	229	43.2	26.88	
1359	66.1	7.77	894.7	207	50.4	26.89	
1406	66.0	7.78	902.3	199	57.6	26.90	
1413	65.8	7.70	902.7	178	64.8	26.90	
1420	65.7	7.69	901.3	169	72.0	26.90	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	72.0

WELL DEVELOPMENT DATA SHEET

Project #: 110511-DR1	Client: Shell
Developer: (DR) / JP	Date Developed: 5/11/11
Well I.D. MW-2AC	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 100.51 After 105.60	Depth to Water: Before 27.01 After 96.58
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged well for 15 minutes	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

11.8	X	10	=	118.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___

Other equipment used Surge block and nylon rope

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
1218	64.9	8.74	772.3	71.80	11.8	92.22
* well	dewatered @	13.0 gal.		DTW=96.58	TD=	105.06

Did Well Dewater? Yes | If yes, note above. | Gallons Actually Evacuated: 13.0

WELL DEVELOPMENT DATA SHEET

Project #: 110511-DR1	Client: Shell
Developer: (DR) / JP	Date Developed: 5/11/11
Well I.D. MW-14B	Well Diameter: (circle one) (2) 3 4 6 __
Total Well Depth:	Depth to Water:
Before 67.57 After 68.05	Before 20.37 After 26.29
Reason not developed:	If Free Product, thickness:
Additional Notations: Hard bottom achieved on surge / Surged well for 15 minutes	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

7.6	X	10	=	76.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ____
Other equipment used Surge block and nylon rope

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW	NOTATIONS:
0902	64.7	6.73	968.6	>1000	7.6	24.01	Hard bottom achieved.
0911	64.3	6.75	956.3	>1000	15.2	24.53	
0919	64.6	6.81	976.5	>1000	22.8	25.51	
0927	64.8	6.80	969.7	>1000	30.4	26.54	
0935	64.8	6.85	951.3	>1000	38.0	26.71	
0942	64.8	6.89	957.2	468	45.6	26.74	
0949	64.8	6.84	951.7	302	53.2	26.74	
0957	64.9	6.86	949.2	229	60.8	26.74	
1005	64.7	6.88	950.1	203	68.4	26.74	
1012	64.7	6.89	950.7	196	76.0	26.74	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	76.0

WELL DEVELOPMENT DATA SHEET

Project #: 110511-DR1	Client: Shell
Developer: DR/JP	Date Developed: 5/11/11
Well I.D. MW-14C	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 79.02 After 80.90	Depth to Water: Before 9.73 After 79.12
Reason not developed:	If Free Product, thickness:
Additional Notations: w'd meter w/ Ph readings. All was good. Re-calibrated anyway. * Surged well for 15 minutes	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

11.1	X	10	=	111.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___
Other equipment used Surge block and nylon rope

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
1100	62.8	11.07	626.6	>1000	11.1	64.21
* well	dewatered @ 15.5 gal.			DTW=79.12	TD=80.90	

Did Well Dewater? Yes | If yes, note above. | Gallons Actually Evacuated: 15.5

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 San Ramon Rd. Dublin Ca. Date 5/11/11

Job Number 110511-DR1 Technician DR Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-2R	X				X				No tag. No lock. Lock added.
MW-2RB	X				X				No tag. No lock. Lock added.
MW-2RC	X				X				No tag. No lock. Lock added
MW-13									
MW-13B									
MW-13C									
MW-14B	X				X				No tag. No lock. Lock added.
MW-14C	X				X				No tag. No lock. Lock added.

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 110513-J01 Date 5-13-4 Client Shell

Site 8999 San Ramon Rd. Dublin CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-13	0710	2					24.60	45.00		
MW-13B	0713	2					23.40	68.25		
MW-13C	0716	2					26.55	93.13		
MW-14C	1000	2					29.20	80.75		
MW-28C	1020	2					29.95	103.69	↓	

WELL DEVELOPMENT DATA SHEET

Project #: 110513-Jol	Client: Shell
Developer: DR	Date Developed: 5/13/11
Well I.D. MW-2RC	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 103.69 After 106.19	Depth to Water: Before 29.95 After 100.29
Reason not developed:	If Free Product, thickness:
Additional Notations: Achieved hard bottom. / Surged well for 15 minutes	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

11.8	X	10	=	118.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___
Other equipment used Surge block w/ nylon rope 80% = 44.70

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
1115	66.7	7.91	1286	>1000	11.8	93.59
* well	dewatered @ 12.5 gal.			TD=104.74		
1152	66.9	7.84	1234	>1000	23.6	93.72 Achieved hard bottom
* well	dewatered @	24.0 gal.		TD=105.25		
* well	dewatered prior to 3rd			case volume.	TD=	106.19 30 gal. total

Did Well Dewater? Yes | If yes, note above. | Gallons Actually Evacuated: 30.0

WELL DEVELOPMENT DATA SHEET

Project #: 110393-601	Client: Shell
Developer: DR	Date Developed: 5-13-11
Well I.D. MW-13	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 45.00 After 45.16	Depth to Water: Before 24.60 After 25.19
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged and' gauged for 15 mins (1155)	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} /231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

3.3	X	10	=	33.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ____

Other equipment used Surge block w/nylon rope

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW	NOTATIONS:
1221	67.2	6.89	1085	>1000	3.3	25.29	Retrieved hard to Hom.
1227	68.3	6.82	1068	>1000	6.6	25.36	
1233	68.4	6.88	1055	>1000	9.9	25.46	
1240	68.7	6.85	1050	>1000	13.2	25.49	
1246	68.6	6.97	1048	918	16.5	25.52	
1252	68.3	7.12	1048	746	19.8	25.52	
1258	69.9	7.13	1035	509	23.1	25.53	
1304	70.2	7.11	1029	474	26.4	25.53	
1310	70.4	7.09	1033	482	29.7	25.33	
1316	70.5	7.07	1034	479	33.0	25.33	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	33.0

WELL DEVELOPMENT DATA SHEET

Project #: 110513-001	Client: Shell
Developer: SO	Date Developed: 5-12-11
Well I.D. MW-138	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 68.25 After 68.80	Depth to Water: Before 23.40 After 38.80
Reason not developed: —	If Free Product, thickness: —
Additional Notations: Gauged and surged for 15 mins using 2" surge block (1040)	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

7.2	X	10	=	72 gals
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used Surge Block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1110	Begin purging with Pump					agitated well with pump
1121	65.4	7.55	1242	>1000	7.2	Hard Bottom
1131	65.4	7.42	1236	>1000	14.4	Brown / silty
1137	65.0	7.23	1250	>1000	21.6	
1147	~~65.6~~ 65.6	7.17	1246	>1000	28.8	
1155	65.9	@ 7.12	1250	380	36.0	Clearing
1204	66.0	6.98	1240	334	43.2	
1205	66.8	7.00	1232	347	50.4	
1215	66.9	7.09	1238	264	57.6	
1224	66.9	7.02	1235	212	64.8	
1234	67.0	7.05	1231	211	72	

Did Well Dewater? NO | If yes, note above. | Gallons Actually Evacuated: 72

WELL DEVELOPMENT DATA SHEET

Project #: 110513-101	Client: Shell
Developer: JD	Date Developed: 5-12-11
Well I.D. MW-13C	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 93.13 After 95.55	Depth to Water: Before 26.55 After 75.30
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

10.1	X	10	=	101
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump —
Other equipment used Surge Block

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0715	- Surged w/ Stainless Air 15 mins				w/ 2"	surge block
0740	Started Purge w/ PAD - Agitated bottom of well w/ Pump					
0750	64.5	7.98	1284	>1000	10.1	Brown/Silty Semi Hard bottom
0905	60.9	7.20	1299	>1000	20.2	Hard Bottom Brown/Silty
0818	58.7	7.12	1278	>1000	30.3	
0831	62.8	7.06	1281	>1000	40.4	
0844	62.3	7.12	1277	>1000	50.5	
0857	62.9	7.03	1267	984	60.6	
0910	62.3	7.07	1269	686	70.7	clearing
0923	62.6	7.10	1259	500	80.8	
0936	62.9	7.17	1267	386	90.9	
0949	62.7	7.15	1270	241	101.0	

Did Well Dewater? NO — If yes, note above. — Gallons Actually Evacuated: 101.0

WELL DEVELOPMENT DATA SHEET

Project #: 110513-J01	Client: SHELL
Developer: JO / DB	Date Developed: 5/13/11
Well I.D. MW-14C	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 80.75 After 85.50	Depth to Water: Before 79.20 After 85.00
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} /231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

11.1	X	10	=	111
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___

Other equipment used 2" SURGE BLOCK / DI H_2O / Submersible teal pump

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1300	—	Insufficient water to continue development				
	—	Added ~20 gallons DI H_2O per client request				
1307	—	DI H_2O reached TOC				
1308	—	Surged well w/ 2" surge block for 10 minutes				
1324	—	Started purge w/ PAD pump - agitated bottom of well w/ pump				
1345	68.7	11.47	914	774	11.1	DTW = 72.65
1354	—	Well started to dewater, additional 25 gallons DI H_2O added				
1407	68.9	11.10	119.4	154	22.5	HARD BOTTOM REACHED
1425	—	Well dewatered @ 30 gallons				DTW = 85.00
1430						DTW = 84.95
1435						DTW = 84.90
1440						DTW = 84.89
	—	Insufficient recharge to continue development				
Did Well Dewater? YES		If yes, note above.		Gallons Actually Evacuated:		30

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 San Ramon Rd Dublin CA Date 5-13-14

Job Number 110513-J01 Technician JO / DR Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-13	X				X				No tag, NO lock
MW-13B	X				X				No tag NO lock
MW-13C	X				X				NO tag NO lock
MW-14C	X								NO tag
MW-2RC	X								NO tag

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

APPENDIX E

CERTIFIED ANALYTICAL REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project: 8999 San Ramon Rd., Dublin, CA

Sampled: 02/28/11
Received: 03/02/11
Issued: 03/16/11 10:56

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUC0399-01	MW-14C-5.5	Soil
IUC0399-03	MW-14C-15.5	Soil
IUC0399-05	MW-14C-25.5	Soil
IUC0399-07	MW-14C-35.5	Soil

Reviewed By:

Philip Sanelle

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0399

Sampled: 02/28/11
Received: 03/02/11

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0399-01 (MW-14C-5.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C0451	19	**26**	3.75	3/3/2011	3/4/2011	
Surrogate: n-Octacosane (40-140%)				*91 %*				
Sample ID: IUC0399-03 (MW-14C-15.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C0451	5.0	ND	1	3/3/2011	3/3/2011	
Surrogate: n-Octacosane (40-140%)				*77 %*				
Sample ID: IUC0399-05 (MW-14C-25.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C0451	5.0	ND	1	3/3/2011	3/3/2011	
Surrogate: n-Octacosane (40-140%)				*82 %*				
Sample ID: IUC0399-07 (MW-14C-35.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C0451	5.0	ND	1	3/3/2011	3/3/2011	
Surrogate: n-Octacosane (40-140%)				*83 %*				

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VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0399-01 (MW-14C-5.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0600	0.20	ND	0.982	3/4/2011	3/4/2011	
Surrogate: 4-BFB (FID) (65-140%)				*79 %*				
Sample ID: IUC0399-03 (MW-14C-15.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0600	0.19	ND	0.969	3/4/2011	3/4/2011	
Surrogate: 4-BFB (FID) (65-140%)				*93 %*				
Sample ID: IUC0399-05 (MW-14C-25.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0600	0.20	ND	0.986	3/4/2011	3/4/2011	
Surrogate: 4-BFB (FID) (65-140%)				*91 %*				
Sample ID: IUC0399-07 (MW-14C-35.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0600	0.20	ND	0.978	3/4/2011	3/4/2011	
Surrogate: 4-BFB (FID) (65-140%)				*91 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0399-01 (MW-14C-5.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0856	0.0010	ND	1	3/7/2011	3/7/2011	
Ethylbenzene	EPA 8260B	11C0856	0.0010	ND	1	3/7/2011	3/7/2011	
Toluene	EPA 8260B	11C0856	0.0010	ND	1	3/7/2011	3/7/2011	
Xylenes, Total	EPA 8260B	11C0856	0.0020	ND	1	3/7/2011	3/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0856	0.0020	ND	1	3/7/2011	3/7/2011	
tert-Butanol (TBA)	EPA 8260B	11C0856	0.10	ND	1	3/7/2011	3/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-125%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Sample ID: IUC0399-03 (MW-14C-15.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0984	0.0010	ND	0.998	3/8/2011	3/8/2011	
Ethylbenzene	EPA 8260B	11C0984	0.0010	ND	0.998	3/8/2011	3/8/2011	
Toluene	EPA 8260B	11C0984	0.0010	ND	0.998	3/8/2011	3/8/2011	
Xylenes, Total	EPA 8260B	11C0984	0.0020	ND	0.998	3/8/2011	3/8/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0984	0.0020	ND	0.998	3/8/2011	3/8/2011	
tert-Butanol (TBA)	EPA 8260B	11C0984	0.10	ND	0.998	3/8/2011	3/8/2011	L
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-125%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*113 %*				
Sample ID: IUC0399-05 (MW-14C-25.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0856	0.00099	ND	0.99	3/7/2011	3/7/2011	
Ethylbenzene	EPA 8260B	11C0856	0.00099	ND	0.99	3/7/2011	3/7/2011	
Toluene	EPA 8260B	11C0856	0.00099	ND	0.99	3/7/2011	3/7/2011	
Xylenes, Total	EPA 8260B	11C0856	0.0020	ND	0.99	3/7/2011	3/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0856	0.0020	ND	0.99	3/7/2011	3/7/2011	
tert-Butanol (TBA)	EPA 8260B	11C0856	0.099	ND	0.99	3/7/2011	3/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-125%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0399-07 (MW-14C-35.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0856	0.0010	ND	1	3/7/2011	3/7/2011	
Ethylbenzene	EPA 8260B	11C0856	0.0010	ND	1	3/7/2011	3/7/2011	
Toluene	EPA 8260B	11C0856	0.0010	ND	1	3/7/2011	3/7/2011	
Xylenes, Total	EPA 8260B	11C0856	0.0020	ND	1	3/7/2011	3/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0856	0.0020	ND	1	3/7/2011	3/7/2011	
tert-Butanol (TBA)	EPA 8260B	11C0856	0.10	ND	1	3/7/2011	3/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-125%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0451 Extracted: 03/03/11										
Blank Analyzed: 03/03/2011 (11C0451-BLK1)										
DRO (C10-C28)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*5.53*		*mg/kg*	*6.67*		*83*	*40-140*			
LCS Analyzed: 03/03/2011 (11C0451-BS1)										
DRO (C10-C28)	27.1	5.0	mg/kg	33.3		81	45-115			
EFH (C10 - C28)	27.1	5.0	mg/kg	33.3		81	45-115			
Surrogate: n-Octacosane	*5.62*		*mg/kg*	*6.67*		*84*	*40-140*			
Matrix Spike Analyzed: 03/03/2011 (11C0451-MS1)					**Source: IUC0399-05**					
EFH (C10 - C28)	26.4	5.0	mg/kg	33.3	ND	79	40-120			
Surrogate: n-Octacosane	*5.35*		*mg/kg*	*6.67*		*80*	*40-140*			
Matrix Spike Dup Analyzed: 03/03/2011 (11C0451-MSD1)					**Source: IUC0399-05**					
EFH (C10 - C28)	25.3	5.0	mg/kg	33.3	ND	76	40-120	4	30	
Surrogate: n-Octacosane	*5.15*		*mg/kg*	*6.67*		*77*	*40-140*			

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VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0600 Extracted: 03/04/11										
Blank Analyzed: 03/04/2011 (11C0600-BLK1)										
GRO (C4 - C12)	ND	0.20	mg/kg							
Surrogate: 4-BFB (FID)	*0.0197*		*mg/kg*	*0.0200*		*99*	*65-140*			
LCS Analyzed: 03/04/2011 (11C0600-BS1)										
GRO (C4 - C12)	1.38	0.20	mg/kg	1.60		86	70-135			
Surrogate: 4-BFB (FID)	*0.0255*		*mg/kg*	*0.0200*		*127*	*65-140*			
Matrix Spike Analyzed: 03/04/2011 (11C0600-MS1)					**Source: IUC0424-01**					
GRO (C4 - C12)	0.470	0.20	mg/kg	0.436	ND	108	60-140			
Surrogate: 4-BFB (FID)	*0.0143*		*mg/kg*	*0.0198*		*72*	*65-140*			
Matrix Spike Dup Analyzed: 03/04/2011 (11C0600-MSD1)					**Source: IUC0424-01**					
GRO (C4 - C12)	0.489	0.20	mg/kg	0.440	ND	111	60-140	4	30	
Surrogate: 4-BFB (FID)	*0.0134*		*mg/kg*	*0.0200*		*67*	*65-140*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0856 Extracted: 03/07/11										
Blank Analyzed: 03/07/2011 (11C0856-BLK1)										
Benzene	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
m,p-Xylenes	ND	0.0020	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Xylenes, Total	ND	0.0020	mg/kg							
Methyl-tert-butyl Ether (MTBE)	ND	0.0020	mg/kg							
tert-Butanol (TBA)	ND	0.10	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.0485*		*mg/kg*	*0.0500*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0489*		*mg/kg*	*0.0500*		*98*	*80-125*			
Surrogate: Toluene-d8	*0.0508*		*mg/kg*	*0.0500*		*102*	*80-120*			
LCS Analyzed: 03/07/2011 (11C0856-BS1)										
Benzene	0.0486	0.0010	mg/kg	0.0500		97	65-120			
Ethylbenzene	0.0478	0.0010	mg/kg	0.0500		96	70-125			
Toluene	0.0493	0.0010	mg/kg	0.0500		99	70-125			
m,p-Xylenes	0.0930	0.0020	mg/kg	0.100		93	70-125			
o-Xylene	0.0490	0.0010	mg/kg	0.0500		98	70-125			
Xylenes, Total	0.142	0.0020	mg/kg	0.150		95	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0477	0.0020	mg/kg	0.0500		95	60-140			
tert-Butanol (TBA)	0.272	0.10	mg/kg	0.250		109	70-135			
Surrogate: 4-Bromofluorobenzene	*0.0472*		*mg/kg*	*0.0500*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0493*		*mg/kg*	*0.0500*		*99*	*80-125*			
Surrogate: Toluene-d8	*0.0521*		*mg/kg*	*0.0500*		*104*	*80-120*			
Matrix Spike Analyzed: 03/07/2011 (11C0856-MS1)					**Source: IUC0399-07**					
Benzene	0.0508	0.0010	mg/kg	0.0500	ND	102	65-130			
Ethylbenzene	0.0520	0.0010	mg/kg	0.0500	ND	104	70-135			
Toluene	0.0528	0.0010	mg/kg	0.0500	ND	106	70-130			
m,p-Xylenes	0.101	0.0020	mg/kg	0.100	ND	101	70-130			
o-Xylene	0.0523	0.0010	mg/kg	0.0500	ND	105	65-130			
Xylenes, Total	0.153	0.0020	mg/kg	0.150	ND	102	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0536	0.0020	mg/kg	0.0500	ND	107	55-155			
tert-Butanol (TBA)	0.293	0.10	mg/kg	0.250	ND	117	65-145			
Surrogate: 4-Bromofluorobenzene	*0.0479*		*mg/kg*	*0.0500*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0503*		*mg/kg*	*0.0500*		*101*	*80-125*			
Surrogate: Toluene-d8	*0.0530*		*mg/kg*	*0.0500*		*106*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0856 Extracted: 03/07/11										
Matrix Spike Dup Analyzed: 03/07/2011 (11C0856-MSD1)					**Source: IUC0399-07**					
Benzene	0.0479	0.00099	mg/kg	0.0496	ND	97	65-130	6	20	
Ethylbenzene	0.0487	0.00099	mg/kg	0.0496	ND	98	70-135	7	25	
Toluene	0.0501	0.00099	mg/kg	0.0496	ND	101	70-130	5	20	
m,p-Xylenes	0.0942	0.0020	mg/kg	0.0992	ND	95	70-130	7	25	
o-Xylene	0.0498	0.00099	mg/kg	0.0496	ND	100	65-130	5	25	
Xylenes, Total	0.144	0.0020	mg/kg	0.149	ND	97	70-125	6	25	
Methyl-tert-butyl Ether (MTBE)	0.0520	0.0020	mg/kg	0.0496	ND	105	55-155	3	35	
tert-Butanol (TBA)	0.266	0.099	mg/kg	0.248	ND	107	65-145	9	30	
Surrogate: 4-Bromofluorobenzene	*0.0473*		*mg/kg*	*0.0496*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0505*		*mg/kg*	*0.0496*		*102*	*80-125*			
Surrogate: Toluene-d8	*0.0523*		*mg/kg*	*0.0496*		*105*	*80-120*			
Batch: 11C0984 Extracted: 03/08/11										
Blank Analyzed: 03/08/2011 (11C0984-BLK1)										
Benzene	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
m,p-Xylenes	ND	0.0020	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Xylenes, Total	ND	0.0020	mg/kg							
Methyl-tert-butyl Ether (MTBE)	ND	0.0020	mg/kg							
tert-Butanol (TBA)	ND	0.10	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.0497*		*mg/kg*	*0.0500*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0472*		*mg/kg*	*0.0500*		*94*	*80-125*			
Surrogate: Toluene-d8	*0.0568*		*mg/kg*	*0.0500*		*114*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0984 Extracted: 03/08/11										
LCS Analyzed: 03/08/2011 (11C0984-BS1)										
Benzene	0.0521	0.0010	mg/kg	0.0500		104	65-120			
Ethylbenzene	0.0557	0.0010	mg/kg	0.0500		111	70-125			
Toluene	0.0575	0.0010	mg/kg	0.0500		115	70-125			
m,p-Xylenes	0.123	0.0020	mg/kg	0.100		123	70-125			
o-Xylene	0.0622	0.0010	mg/kg	0.0500		124	70-125			
Xylenes, Total	0.185	0.0020	mg/kg	0.150		124	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0519	0.0020	mg/kg	0.0500		104	60-140			
tert-Butanol (TBA)	0.367	0.10	mg/kg	0.250		147	70-135			*L*
Surrogate: 4-Bromofluorobenzene	*0.0542*		*mg/kg*	*0.0500*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0503*		*mg/kg*	*0.0500*		*101*	*80-125*			
Surrogate: Toluene-d8	*0.0543*		*mg/kg*	*0.0500*		*109*	*80-120*			
Matrix Spike Analyzed: 03/08/2011 (11C0984-MS1)					**Source: IUC0399-03**					
Benzene	0.0513	0.0010	mg/kg	0.0500	ND	103	65-130			
Ethylbenzene	0.0561	0.0010	mg/kg	0.0500	ND	112	70-135			
Toluene	0.0565	0.0010	mg/kg	0.0500	ND	113	70-130			
m,p-Xylenes	0.126	0.0020	mg/kg	0.100	ND	126	70-130			
o-Xylene	0.0613	0.0010	mg/kg	0.0500	ND	123	65-130			
Xylenes, Total	0.187	0.0020	mg/kg	0.150	ND	125	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0484	0.0020	mg/kg	0.0500	ND	97	55-155			
tert-Butanol (TBA)	0.323	0.10	mg/kg	0.250	ND	129	65-145			
Surrogate: 4-Bromofluorobenzene	*0.0541*		*mg/kg*	*0.0500*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0463*		*mg/kg*	*0.0500*		*93*	*80-125*			
Surrogate: Toluene-d8	*0.0550*		*mg/kg*	*0.0500*		*110*	*80-120*			
Matrix Spike Dup Analyzed: 03/08/2011 (11C0984-MSD1)					**Source: IUC0399-03**					
Benzene	0.0506	0.0010	mg/kg	0.0498	ND	102	65-130	1	20	
Ethylbenzene	0.0555	0.0010	mg/kg	0.0498	ND	111	70-135	1	25	
Toluene	0.0542	0.0010	mg/kg	0.0498	ND	109	70-130	4	20	
m,p-Xylenes	0.122	0.0020	mg/kg	0.0996	ND	122	70-130	3	25	
o-Xylene	0.0615	0.0010	mg/kg	0.0498	ND	123	65-130	0.3	25	
Xylenes, Total	0.183	0.0020	mg/kg	0.149	ND	123	70-125	2	25	
Methyl-tert-butyl Ether (MTBE)	0.0479	0.0020	mg/kg	0.0498	ND	96	55-155	1	35	
tert-Butanol (TBA)	0.309	0.10	mg/kg	0.249	ND	124	65-145	5	30	
Surrogate: 4-Bromofluorobenzene	*0.0491*		*mg/kg*	*0.0498*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0477*		*mg/kg*	*0.0498*		*96*	*80-125*			
Surrogate: Toluene-d8	*0.0562*		*mg/kg*	*0.0498*		*113*	*80-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0399

Sampled: 02/28/11
Received: 03/02/11

DATA QUALIFIERS AND DEFINITIONS

L Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0399

Sampled: 02/28/11
Received: 03/02/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record

JUC0399

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

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

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES) ☐ CHECK IF NO INCIDENT # APPLIES

PO #

SAP #

DATE: 3/1/11

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin

State: CA

GLOBAL ID NO.:

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

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

SAMPLER NAME(S) (Print): William Martinez

LAB USE ONLY

TELEPHONE: (510) 420-3319

FAX: 510-420-9170

E-MAIL: pschafer@craworld.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	MW-14C-5.5	2/28/11	1000	Soil				X		1		X	X			X								- Hold until further notice
	MW-14C-10.5	2/28/11	1005	Soil				X		1														
	MW-14C-15.5	2/28/11	1010	Soil				X		1		X	X			X								- Hold until further notice
	MW-14C-20.5	2/28/11	1015	Soil				X		1														
	MW-14C-25.5	2/28/11	1020	Soil				X		1		X	X			X								- Hold until further notice
	MW-14C-30.5	2/28/11	1030	Soil				X		1														
	MW-14C-35.5	2/28/11	1035	Soil				X		1		X	X			X								- Hold until further notice
	MW-14C-40.5	2/28/11	1040	Soil				X		1														
	MW-14C-45.5	2/28/11	1045	Soil				X		1														
	MW-14C-50.5	2/28/11	1050	Soil				X		1														

TEMPERATURE ON RECEIPT C°: 4.1

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
William Martinez	TestAmerica	3/1/11	1305
		3/1/11	1345
Tom Mullen 3-1-2011 1600	VnBank (CS) 4.1 °C	3/2/11	11:00

05/2/06 Revision

02V07

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES) ☐ CHECK IF NO INCIDENT # APPLIES

DATE: _____

PAGE: _____ of _____

PO #

SAP #

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin

State: CA

GLOBAL ID NO.:

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

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: (510)420-3319

FAX: 510-420-9170

E-MAIL: pschaefer@craworld.com

SAMPLER NAME(S) (Print): William Martinez

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)		BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: _____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)							Container PID Readings or Laboratory Notes
	MW-14C-55.5	2/28/11	1100	Soil				X		1																					*Hold until further notice
	MW-14C-60.5	2/28/11	1105	Soil				X		1																					
	MW-14C-65.5	2/28/11	1110	Soil				X		1																					
	MW-14C-70.5	2/28/11	1115	Soil				X		1																					
	MW-14C-75.5	2/28/11	1120	Soil				X		1																					
	MW-14C-80.5	2/28/11	1125	Soil				X		1																					
	MW-14C-85.5	2/28/11	1130	Soil				X		1																					
	MW-14C-90.5	2/28/11	1145	Soil				X		1																					
	MW-14C-95.5	2/28/11	1150	Soil				X		1																					
	MW-14C-100.5	2/28/11	1155	Soil				X		1																					

TEMPERATURE ON RECEIPT C°: 4.1

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
William Martinez		3/1/11	1305
		3/1/11	1345
John Mullen 3-1-2011 1600	Jun Bautista (CS) 4.1°C	3/2/11	11:00

05/2/08 Revision

02V07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project: 8999 San Ramon Rd., Dublin, CA

Sampled: 03/02/11
Received: 03/04/11
Issued: 03/17/11 15:07

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUC0650-01	MW-13RC-5.5	Soil
IUC0650-03	MW-13RC-15.5	Soil
IUC0650-05	MW-13RC-25.5	Soil
IUC0650-07	MW-13RC-35.5	Soil

Reviewed By:

Philip Sanelle

TestAmerica Irvine

Philip Sanelle
Project Manager

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Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0650-01 (MW-13RC-5.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C1197	150	**3600**	29.9	3/9/2011	3/10/2011	
Surrogate: n-Octacosane (40-140%)				*372 %*				*Z3*
Sample ID: IUC0650-03 (MW-13RC-15.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C1029	5.0	ND	0.999	3/8/2011	3/9/2011	
Surrogate: n-Octacosane (40-140%)				*86 %*				
Sample ID: IUC0650-05 (MW-13RC-25.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C1029	5.0	ND	1	3/8/2011	3/8/2011	
Surrogate: n-Octacosane (40-140%)				*82 %*				
Sample ID: IUC0650-07 (MW-13RC-35.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C1029	5.0	ND	1	3/8/2011	3/8/2011	
Surrogate: n-Octacosane (40-140%)				*86 %*				

TestAmerica Irvine

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5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0650-01 (MW-13RC-5.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C1648	0.19	ND	0.967	3/11/2011	3/11/2011	
Surrogate: 4-BFB (FID) (65-140%)				*30 %*				Z
Sample ID: IUC0650-03 (MW-13RC-15.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C1160	0.19	ND	0.971	3/9/2011	3/10/2011	
Surrogate: 4-BFB (FID) (65-140%)				*86 %*				
Sample ID: IUC0650-05 (MW-13RC-25.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C1160	0.19	ND	0.958	3/9/2011	3/10/2011	
Surrogate: 4-BFB (FID) (65-140%)				*94 %*				
Sample ID: IUC0650-07 (MW-13RC-35.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C1160	0.19	ND	0.975	3/9/2011	3/10/2011	
Surrogate: 4-BFB (FID) (65-140%)				*81 %*				

TestAmerica Irvine

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Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0650-01 (MW-13RC-5.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C1163	0.0010	ND	1	3/9/2011	3/9/2011	
Ethylbenzene	EPA 8260B	11C1163	0.0010	ND	1	3/9/2011	3/9/2011	
Toluene	EPA 8260B	11C1163	0.0010	ND	1	3/9/2011	3/9/2011	
Xylenes, Total	EPA 8260B	11C1163	0.0020	ND	1	3/9/2011	3/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C1163	0.0020	ND	1	3/9/2011	3/9/2011	
tert-Butanol (TBA)	EPA 8260B	11C1163	0.10	ND	1	3/9/2011	3/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-125%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Sample ID: IUC0650-03 (MW-13RC-15.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0732	0.00099	ND	0.988	3/8/2011	3/9/2011	
Ethylbenzene	EPA 8260B	11C0732	0.00099	ND	0.988	3/8/2011	3/9/2011	
Toluene	EPA 8260B	11C0732	0.00099	ND	0.988	3/8/2011	3/9/2011	
Xylenes, Total	EPA 8260B	11C0732	0.0020	ND	0.988	3/8/2011	3/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0732	0.0020	ND	0.988	3/8/2011	3/9/2011	
tert-Butanol (TBA)	EPA 8260B	11C0732	0.099	ND	0.988	3/8/2011	3/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-125%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Sample ID: IUC0650-05 (MW-13RC-25.5 - Soil)					**Sampled: 03/02/11**			
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0732	0.0010	ND	1	3/8/2011	3/9/2011	
Ethylbenzene	EPA 8260B	11C0732	0.0010	ND	1	3/8/2011	3/9/2011	
Toluene	EPA 8260B	11C0732	0.0010	ND	1	3/8/2011	3/9/2011	
Xylenes, Total	EPA 8260B	11C0732	0.0020	ND	1	3/8/2011	3/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0732	0.0020	ND	1	3/8/2011	3/9/2011	
tert-Butanol (TBA)	EPA 8260B	11C0732	0.10	ND	1	3/8/2011	3/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-125%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

TestAmerica Irvine

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5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0650-07 (MW-13RC-35.5 - Soil)				**Sampled: 03/02/11**				
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0732	0.00099	ND	0.994	3/8/2011	3/9/2011	
Ethylbenzene	EPA 8260B	11C0732	0.00099	ND	0.994	3/8/2011	3/9/2011	
Toluene	EPA 8260B	11C0732	0.00099	ND	0.994	3/8/2011	3/9/2011	
Xylenes, Total	EPA 8260B	11C0732	0.0020	ND	0.994	3/8/2011	3/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0732	0.0020	ND	0.994	3/8/2011	3/9/2011	
tert-Butanol (TBA)	EPA 8260B	11C0732	0.099	ND	0.994	3/8/2011	3/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-125%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

TestAmerica Irvine

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5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1029 Extracted: 03/08/11										
Blank Analyzed: 03/08/2011 (11C1029-BLK1)										
DRO (C10-C28)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*5.77*		*mg/kg*	*6.67*		*87*	*40-140*			
LCS Analyzed: 03/08/2011 (11C1029-BS1)										
DRO (C10-C28)	24.3	5.0	mg/kg	33.3		73	45-115			
EFH (C10 - C28)	24.3	5.0	mg/kg	33.3		73	45-115			
Surrogate: n-Octacosane	*5.75*		*mg/kg*	*6.67*		*86*	*40-140*			
Matrix Spike Analyzed: 03/08/2011 (11C1029-MS1)					**Source: IUC0704-01**					
EFH (C10 - C28)	24.8	5.0	mg/kg	33.3	ND	74	40-120			
Surrogate: n-Octacosane	*5.87*		*mg/kg*	*6.67*		*88*	*40-140*			
Matrix Spike Dup Analyzed: 03/08/2011 (11C1029-MSD1)					**Source: IUC0704-01**					
EFH (C10 - C28)	24.0	5.0	mg/kg	33.3	ND	72	40-120	3	30	
Surrogate: n-Octacosane	*5.75*		*mg/kg*	*6.67*		*86*	*40-140*			
Batch: 11C1197 Extracted: 03/09/11										
Blank Analyzed: 03/09/2011 (11C1197-BLK1)										
DRO (C10-C28)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*5.72*		*mg/kg*	*6.67*		*86*	*40-140*			
LCS Analyzed: 03/09/2011 (11C1197-BS1)										
DRO (C10-C28)	23.7	5.0	mg/kg	33.3		71	45-115			
EFH (C10 - C28)	23.7	5.0	mg/kg	33.3		71	45-115			
Surrogate: n-Octacosane	*5.66*		*mg/kg*	*6.67*		*85*	*40-140*			

TestAmerica Irvine

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Project Manager

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Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1197 Extracted: 03/09/11										
Matrix Spike Analyzed: 03/09/2011 (11C1197-MS1)					**Source: IUC0424-02**					
EFH (C10 - C28)	28.2	5.0	mg/kg	33.3	9.96	55	40-120			
Surrogate: n-Octacosane	*6.34*		*mg/kg*	*6.67*		*95*	*40-140*			
Matrix Spike Dup Analyzed: 03/09/2011 (11C1197-MSD1)					**Source: IUC0424-02**					
EFH (C10 - C28)	26.9	5.0	mg/kg	33.3	9.96	51	40-120	5	30	
Surrogate: n-Octacosane	*6.14*		*mg/kg*	*6.67*		*92*	*40-140*			

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1160 Extracted: 03/09/11										
Blank Analyzed: 03/09/2011 (11C1160-BLK1)										
GRO (C4 - C12)	ND	0.20	mg/kg							
Surrogate: 4-BFB (FID)	*0.0212*		*mg/kg*	*0.0200*		*106*	*65-140*			
LCS Analyzed: 03/09/2011 (11C1160-BS1)										
GRO (C4 - C12)	1.48	0.20	mg/kg	1.60		93	70-135			
Surrogate: 4-BFB (FID)	*0.0267*		*mg/kg*	*0.0200*		*133*	*65-140*			
Matrix Spike Analyzed: 03/10/2011 (11C1160-MS1)					**Source: IUC0857-01**					
GRO (C4 - C12)	0.464	0.20	mg/kg	0.431	ND	108	60-140			
Surrogate: 4-BFB (FID)	*0.0235*		*mg/kg*	*0.0196*		*120*	*65-140*			
Matrix Spike Dup Analyzed: 03/10/2011 (11C1160-MSD1)					**Source: IUC0857-01**					
GRO (C4 - C12)	0.454	0.19	mg/kg	0.417	ND	109	60-140	2	30	
Surrogate: 4-BFB (FID)	*0.0232*		*mg/kg*	*0.0190*		*122*	*65-140*			
Batch: 11C1648 Extracted: 03/11/11										
Blank Analyzed: 03/11/2011 (11C1648-BLK1)										
GRO (C4 - C12)	ND	0.20	mg/kg							
Surrogate: 4-BFB (FID)	*0.0208*		*mg/kg*	*0.0200*		*104*	*65-140*			
LCS Analyzed: 03/11/2011 (11C1648-BS1)										
GRO (C4 - C12)	1.42	0.20	mg/kg	1.60		89	70-135			
Surrogate: 4-BFB (FID)	*0.0466*		*mg/kg*	*0.0200*		*233*	*65-140*			*Z2*
Matrix Spike Analyzed: 03/11/2011 (11C1648-MS1)					**Source: IUC0759-24**					
GRO (C4 - C12)	0.420	0.19	mg/kg	0.429	ND	98	60-140			
Surrogate: 4-BFB (FID)	*0.0215*		*mg/kg*	*0.0195*		*110*	*65-140*			

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Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1648 Extracted: 03/11/11										
Matrix Spike Dup Analyzed: 03/11/2011 (11C1648-MSD1)					**Source: IUC0759-24**					
GRO (C4 - C12)	0.410	0.19	mg/kg	0.421	ND	98	60-140	2	30	
Surrogate: 4-BFB (FID)	*0.0202*		*mg/kg*	*0.0191*		*106*	*65-140*			

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0732 Extracted: 03/08/11										
Blank Analyzed: 03/08/2011 (11C0732-BLK1)										
Benzene	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
m,p-Xylenes	ND	0.0020	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Xylenes, Total	ND	0.0020	mg/kg							
Methyl-tert-butyl Ether (MTBE)	ND	0.0020	mg/kg							
tert-Butanol (TBA)	ND	0.10	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.0471*		*mg/kg*	*0.0500*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0518*		*mg/kg*	*0.0500*		*104*	*80-125*			
Surrogate: Toluene-d8	*0.0530*		*mg/kg*	*0.0500*		*106*	*80-120*			
LCS Analyzed: 03/08/2011 (11C0732-BS1)										
Benzene	0.0526	0.0010	mg/kg	0.0500		105	65-120			
Ethylbenzene	0.0538	0.0010	mg/kg	0.0500		108	70-125			
Toluene	0.0546	0.0010	mg/kg	0.0500		109	70-125			
m,p-Xylenes	0.107	0.0020	mg/kg	0.100		107	70-125			
o-Xylene	0.0557	0.0010	mg/kg	0.0500		111	70-125			
Xylenes, Total	0.162	0.0020	mg/kg	0.150		108	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0509	0.0020	mg/kg	0.0500		102	60-140			
tert-Butanol (TBA)	0.302	0.10	mg/kg	0.250		121	70-135			
Surrogate: 4-Bromofluorobenzene	*0.0488*		*mg/kg*	*0.0500*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0516*		*mg/kg*	*0.0500*		*103*	*80-125*			
Surrogate: Toluene-d8	*0.0529*		*mg/kg*	*0.0500*		*106*	*80-120*			
Matrix Spike Analyzed: 03/08/2011 (11C0732-MS1)					**Source: IUC0704-01**					
Benzene	0.0529	0.0010	mg/kg	0.0503	ND	105	65-130			
Ethylbenzene	0.0540	0.0010	mg/kg	0.0503	ND	107	70-135			
Toluene	0.0550	0.0010	mg/kg	0.0503	ND	109	70-130			
m,p-Xylenes	0.108	0.0020	mg/kg	0.101	ND	107	70-130			
o-Xylene	0.0542	0.0010	mg/kg	0.0503	ND	108	65-130			
Xylenes, Total	0.162	0.0020	mg/kg	0.151	ND	107	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0552	0.0020	mg/kg	0.0503	ND	110	55-155			
tert-Butanol (TBA)	0.303	0.10	mg/kg	0.252	ND	121	65-145			
Surrogate: 4-Bromofluorobenzene	*0.0484*		*mg/kg*	*0.0503*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0517*		*mg/kg*	*0.0503*		*103*	*80-125*			
Surrogate: Toluene-d8	*0.0531*		*mg/kg*	*0.0503*		*106*	*80-120*			

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0732 Extracted: 03/08/11										
Matrix Spike Dup Analyzed: 03/08/2011 (11C0732-MSD1)					**Source: IUC0704-01**					
Benzene	0.0542	0.0010	mg/kg	0.0502	ND	108	65-130	2	20	
Ethylbenzene	0.0562	0.0010	mg/kg	0.0502	ND	112	70-135	4	25	
Toluene	0.0564	0.0010	mg/kg	0.0502	ND	112	70-130	2	20	
m,p-Xylenes	0.110	0.0020	mg/kg	0.100	ND	110	70-130	2	25	
o-Xylene	0.0558	0.0010	mg/kg	0.0502	ND	111	65-130	3	25	
Xylenes, Total	0.166	0.0020	mg/kg	0.151	ND	110	70-125	2	25	
Methyl-tert-butyl Ether (MTBE)	0.0549	0.0020	mg/kg	0.0502	ND	109	55-155	0.4	35	
tert-Butanol (TBA)	0.296	0.10	mg/kg	0.251	ND	118	65-145	2	30	
Surrogate: 4-Bromofluorobenzene	*0.0497*		*mg/kg*	*0.0502*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0511*		*mg/kg*	*0.0502*		*102*	*80-125*			
Surrogate: Toluene-d8	*0.0537*		*mg/kg*	*0.0502*		*107*	*80-120*			
Batch: 11C1163 Extracted: 03/09/11										
Blank Analyzed: 03/09/2011 (11C1163-BLK1)										
Benzene	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
m,p-Xylenes	ND	0.0020	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Xylenes, Total	ND	0.0020	mg/kg							
Methyl-tert-butyl Ether (MTBE)	ND	0.0020	mg/kg							
tert-Butanol (TBA)	ND	0.10	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.0472*		*mg/kg*	*0.0500*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0522*		*mg/kg*	*0.0500*		*104*	*80-125*			
Surrogate: Toluene-d8	*0.0510*		*mg/kg*	*0.0500*		*102*	*80-120*			

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1163 Extracted: 03/09/11										
LCS Analyzed: 03/09/2011 (11C1163-BS1)										
Benzene	0.0423	0.0010	mg/kg	0.0500		85	65-120			
Ethylbenzene	0.0459	0.0010	mg/kg	0.0500		92	70-125			
Toluene	0.0446	0.0010	mg/kg	0.0500		89	70-125			
m,p-Xylenes	0.0893	0.0020	mg/kg	0.100		89	70-125			
o-Xylene	0.0460	0.0010	mg/kg	0.0500		92	70-125			
Xylenes, Total	0.135	0.0020	mg/kg	0.150		90	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0441	0.0020	mg/kg	0.0500		88	60-140			
tert-Butanol (TBA)	0.279	0.10	mg/kg	0.250		112	70-135			
Surrogate: 4-Bromofluorobenzene	*0.0477*		*mg/kg*	*0.0500*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0494*		*mg/kg*	*0.0500*		*99*	*80-125*			
Surrogate: Toluene-d8	*0.0509*		*mg/kg*	*0.0500*		*102*	*80-120*			
Matrix Spike Analyzed: 03/09/2011 (11C1163-MS1)					**Source: IUC0918-03**					
Benzene	0.0423	0.00099	mg/kg	0.0493	ND	86	65-130			
Ethylbenzene	0.0429	0.00099	mg/kg	0.0493	ND	87	70-135			
Toluene	0.0434	0.00099	mg/kg	0.0493	ND	88	70-130			
m,p-Xylenes	0.0837	0.0020	mg/kg	0.0986	ND	85	70-130			
o-Xylene	0.0437	0.00099	mg/kg	0.0493	ND	89	65-130			
Xylenes, Total	0.127	0.0020	mg/kg	0.148	ND	86	70-125			
Methyl-tert-butyl Ether (MTBE)	0.0458	0.0020	mg/kg	0.0493	ND	93	55-155			
tert-Butanol (TBA)	0.272	0.099	mg/kg	0.247	ND	110	65-145			
Surrogate: 4-Bromofluorobenzene	*0.0464*		*mg/kg*	*0.0493*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0505*		*mg/kg*	*0.0493*		*102*	*80-125*			
Surrogate: Toluene-d8	*0.0503*		*mg/kg*	*0.0493*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 03/09/2011 (11C1163-MSD1)					**Source: IUC0918-03**					
Benzene	0.0423	0.00098	mg/kg	0.0489	ND	86	65-130	0.1	20	
Ethylbenzene	0.0432	0.00098	mg/kg	0.0489	ND	88	70-135	0.8	25	
Toluene	0.0440	0.00098	mg/kg	0.0489	ND	90	70-130	2	20	
m,p-Xylenes	0.0849	0.0020	mg/kg	0.0978	ND	87	70-130	1	25	
o-Xylene	0.0437	0.00098	mg/kg	0.0489	ND	89	65-130	0.1	25	
Xylenes, Total	0.129	0.0020	mg/kg	0.147	ND	88	70-125	0.9	25	
Methyl-tert-butyl Ether (MTBE)	0.0475	0.0020	mg/kg	0.0489	ND	97	55-155	4	35	
tert-Butanol (TBA)	0.264	0.098	mg/kg	0.245	ND	108	65-145	3	30	
Surrogate: 4-Bromofluorobenzene	*0.0458*		*mg/kg*	*0.0489*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0503*		*mg/kg*	*0.0489*		*103*	*80-125*			
Surrogate: Toluene-d8	*0.0501*		*mg/kg*	*0.0489*		*102*	*80-120*			

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Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

DATA QUALIFIERS AND DEFINITIONS

Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0650

Sampled: 03/02/11
Received: 03/04/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

IVC0650

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES)

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/1/11

PO #

SAP #

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin

State: CA

GLOBAL ID NO.:

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

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.: 240724

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: (510)420-3319

FAX: 510-420-9170

E-MAIL: pschaefer@craworld.com

SAMPLER NAME(S) (Print): William Martinez

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

Copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	MW-13RC-5.5	3/2/11	0830	Soil				X				X	X			X								- Hold until further notice
	MW-13RC-10.5	3/2/11	0835	Soil				X																
	MW-13RC-15.5	3/2/11	0840	Soil				X				X	X			X								- Hold until further notice
	MW-13RC-20.5	3/2/11	0845	Soil				X																
	MW-13RC-25.5	3/2/11	0850	Soil				X				X	X			X								- Hold until further notice
	MW-13RC-30.5	3/2/11	0855	Soil				X																
	MW-13RC-35.5	3/2/11	0900	Soil				X				X	X			X								- Hold until further notice
	MW-13RC-40.5	3/2/11	0905	Soil				X																
	MW-13RC-45.5	3/2/11	0910	Soil				X																
	MW-13RC-50.5	3/2/11	0920 0915	Soil				X																

TEMPERATURE ON RECEIPT C°: 2.0 C

12:15 3/5/11 M

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
William Martinez		3/3/11	1150
	Tom Nuller	3-3-11	1210
	3/4/11 11:15	3/3/11	1630

05/2006 Revision

FOAPAS (5)

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES) ☐ CHECK IF NO INCIDENT # APPLIES

PO # **SAP #**

DATE:
PAGE: 2 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW
SITE ADDRESS: Street and City: 8999 San Ramon Road Dublin	State: CA
GLOBAL ID NO.:	
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608	
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO.: 510-420-3343
E-MAIL: shell.em.edf@craworld.com	CONSULTANT PROJECT NO.: 240724
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer	
SAMPLER NAME(S) (Print): William Martinez	LAB USE ONLY
TELEPHONE: (510) 420-3319	FAX: 510-420-9170
E-MAIL: pschaefer@craworld.com	

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°: 2.6°C

LAB USE ONLY	Field Sample Identification	DATE	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)		BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: ____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)						Container PID Readings or Laboratory Notes
	MW-13RC-55.5	3/2/11	~~0925~~ 0920	Soil				X																						- Hold until
	MW-13RC-60.5	3/2/11	~~0930~~ 0925	Soil				X																						further notice.
	MW-13RC-65.5	3/2/11	0930	Soil				X																						↓
	MW-13RC-70.5	3/2/11	0935	Soil				X																						
	MW-13RC-75.5	3/2/11	0940	Soil				X																						
	MW-13RC-80.5	3/2/11	0950	Soil				X																						
	MW-13RC-85.5	3/2/11	0955	Soil				X																						
	MW-13RC-90.5	3/2/11	1000	Soil				X																						
	MW-13RC-95.5	3/2/11	1005	Soil				X																						
	MW-13RC-100.5	3/2/11	1010	Soil				X																						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
William Martinez	Ed Martinez	3/3/11	1150
Ed Martinez	Joan Mullen	3-3-11	1240
Mike H / TA OF	[signature] 3/4/11 4:15	3/3/11	1630

5.0°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project: 8999 San Ramon Rd., Dublin, CA

Sampled: 02/22/11
Received: 02/24/11
Issued: 03/09/11 15:06

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUB2603-01	MW-2RC-5.5	Soil
IUB2603-02	MW-2RC-15.5	Soil
IUB2603-03	MW-2RC-25.5	Soil
IUB2603-04	MW-2RC-35.5	Soil

Reviewed By:

Philip Sanelle

TestAmerica Irvine

Philip Sanelle
Project Manager

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Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB2603-01 (MW-2RC-5.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11B3528	21	**170**	4.23	2/28/2011	3/1/2011	
Surrogate: n-Octacosane (40-140%)				*150 %*				*ZX*
Sample ID: IUB2603-02 (MW-2RC-15.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11B3528	5.0	ND	1	2/28/2011	3/1/2011	
Surrogate: n-Octacosane (40-140%)				*88 %*				
Sample ID: IUB2603-03 (MW-2RC-25.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11B3528	5.0	ND	1	2/28/2011	3/1/2011	
Surrogate: n-Octacosane (40-140%)				*89 %*				
Sample ID: IUB2603-04 (MW-2RC-35.5 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11B3528	5.0	ND	1	2/28/2011	3/1/2011	
Surrogate: n-Octacosane (40-140%)				*88 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB2603-01 (MW-2RC-5.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0286	0.20	ND	0.984	3/1/2011	3/2/2011	
Surrogate: 4-BFB (FID) (65-140%)				*82 %*				
Sample ID: IUB2603-02 (MW-2RC-15.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0286	0.19	ND	0.956	3/1/2011	3/2/2011	
Surrogate: 4-BFB (FID) (65-140%)				*88 %*				
Sample ID: IUB2603-03 (MW-2RC-25.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11B3327	0.20	ND	0.978	2/26/2011	2/27/2011	
Surrogate: 4-BFB (FID) (65-140%)				*97 %*				
Sample ID: IUB2603-04 (MW-2RC-35.5 - Soil)								
Reporting Units: mg/kg								
GRO (C4 - C12)	EPA 8015 Mod.	11C0286	0.19	ND	0.929	3/1/2011	3/2/2011	
Surrogate: 4-BFB (FID) (65-140%)				*91 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB2603-01 (MW-2RC-5.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/4/2011	
Ethylbenzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/4/2011	
Toluene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/4/2011	
Xylenes, Total	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/4/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/4/2011	L, M7
tert-Butanol (TBA)	EPA 8260B	11C0626	0.020	ND	0.99	3/4/2011	3/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-125%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Sample ID: IUB2603-02 (MW-2RC-15.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/4/2011	
Ethylbenzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/4/2011	
Toluene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/4/2011	
Xylenes, Total	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/4/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/4/2011	L
tert-Butanol (TBA)	EPA 8260B	11C0626	0.020	ND	0.99	3/4/2011	3/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-125%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Sample ID: IUB2603-03 (MW-2RC-25.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/5/2011	
Ethylbenzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/5/2011	
Toluene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/5/2011	
Xylenes, Total	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/5/2011	L
tert-Butanol (TBA)	EPA 8260B	11C0626	0.020	ND	0.99	3/4/2011	3/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-125%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Project Manager

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Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB2603-04 (MW-2RC-35.5 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/5/2011	
Ethylbenzene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/5/2011	
Toluene	EPA 8260B	11C0626	0.00099	ND	0.99	3/4/2011	3/5/2011	
Xylenes, Total	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0626	0.0020	ND	0.99	3/4/2011	3/5/2011	L
tert-Butanol (TBA)	EPA 8260B	11C0626	0.020	ND	0.99	3/4/2011	3/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-125%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B3528 Extracted: 02/28/11										
Blank Analyzed: 03/01/2011 (11B3528-BLK1)										
DRO (C10-C28)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*6.09*		*mg/kg*	*6.67*		*91*	*40-140*			
LCS Analyzed: 03/01/2011 (11B3528-BS1)										
DRO (C10-C28)	28.4	5.0	mg/kg	33.3		85	45-115			
EFH (C10 - C28)	28.4	5.0	mg/kg	33.3		85	45-115			
Surrogate: n-Octacosane	*6.31*		*mg/kg*	*6.67*		*95*	*40-140*			
Matrix Spike Analyzed: 03/01/2011 (11B3528-MS1)					**Source: IUB2732-01**					
EFH (C10 - C28)	59.9	5.0	mg/kg	33.3	30.4	89	40-120			
Surrogate: n-Octacosane	*9.93*		*mg/kg*	*6.67*		*149*	*40-140*			*ZX*
Matrix Spike Dup Analyzed: 03/01/2011 (11B3528-MSD1)					**Source: IUB2732-01**					
EFH (C10 - C28)	59.5	5.0	mg/kg	33.3	30.4	87	40-120	0.8	30	
Surrogate: n-Octacosane	*10.2*		*mg/kg*	*6.67*		*153*	*40-140*			*ZX*

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Report Number: IUB2603

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Received: 02/24/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B3327 Extracted: 02/26/11										
Blank Analyzed: 02/26/2011 (11B3327-BLK1)										
GRO (C4 - C12)	ND	0.20	mg/kg							
Surrogate: 4-BFB (FID)	*0.0181*		*mg/kg*	*0.0200*		*90*	*65-140*			
LCS Analyzed: 02/26/2011 (11B3327-BS1)										
GRO (C4 - C12)	1.44	0.20	mg/kg	1.60		90	70-135			
Surrogate: 4-BFB (FID)	*0.0261*		*mg/kg*	*0.0200*		*131*	*65-140*			
Matrix Spike Analyzed: 02/26/2011 (11B3327-MS1)					**Source: IUB2603-03**					
GRO (C4 - C12)	0.471	0.18	mg/kg	0.404	ND	116	60-140			
Surrogate: 4-BFB (FID)	*0.0143*		*mg/kg*	*0.0184*		*78*	*65-140*			
Matrix Spike Dup Analyzed: 02/26/2011 (11B3327-MSD1)					**Source: IUB2603-03**					
GRO (C4 - C12)	0.410	0.19	mg/kg	0.410	ND	100	60-140	14	30	
Surrogate: 4-BFB (FID)	*0.0133*		*mg/kg*	*0.0187*		*71*	*65-140*			
Batch: 11C0286 Extracted: 03/01/11										
Blank Analyzed: 03/02/2011 (11C0286-BLK1)										
GRO (C4 - C12)	ND	0.20	mg/kg							
Surrogate: 4-BFB (FID)	*0.0224*		*mg/kg*	*0.0200*		*112*	*65-140*			
LCS Analyzed: 03/02/2011 (11C0286-BS1)										
GRO (C4 - C12)	1.52	0.20	mg/kg	1.60		95	70-135			
Surrogate: 4-BFB (FID)	*0.0317*		*mg/kg*	*0.0200*		*159*	*65-140*			*Z2*
Matrix Spike Analyzed: 03/02/2011 (11C0286-MS1)					**Source: IUB2582-01**					
GRO (C4 - C12)	0.527	0.19	mg/kg	0.414	ND	127	60-140			
Surrogate: 4-BFB (FID)	*0.0184*		*mg/kg*	*0.0188*		*98*	*65-140*			

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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0286 Extracted: 03/01/11										
Matrix Spike Dup Analyzed: 03/02/2011 (11C0286-MSD1)					**Source: IUB2582-01**					
GRO (C4 - C12)	0.502	0.19	mg/kg	0.421	ND	119	60-140	5	30	
Surrogate: 4-BFB (FID)	*0.0202*		*mg/kg*	*0.0192*		*106*	*65-140*			

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Sampled: 02/22/11
Received: 02/24/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0626 Extracted: 03/04/11										
Blank Analyzed: 03/04/2011 (11C0626-BLK1)										
Benzene	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
m,p-Xylenes	ND	0.0020	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Xylenes, Total	ND	0.0020	mg/kg							
Di-isopropyl Ether (DIPE)	ND	0.0020	mg/kg							
Ethyl tert-Butyl Ether (ETBE)	ND	0.0020	mg/kg							
Methyl-tert-butyl Ether (MTBE)	ND	0.0020	mg/kg							
tert-Amyl Methyl Ether (TAME)	ND	0.0020	mg/kg							
tert-Butanol (TBA)	ND	0.020	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.0477*		*mg/kg*	*0.0500*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0535*		*mg/kg*	*0.0500*		*107*	*80-125*			
Surrogate: Toluene-d8	*0.0520*		*mg/kg*	*0.0500*		*104*	*80-120*			
LCS Analyzed: 03/04/2011 (11C0626-BS1)										
Benzene	0.0565	0.0010	mg/kg	0.0500		113	65-120			
Ethylbenzene	0.0543	0.0010	mg/kg	0.0500		109	70-125			
Toluene	0.0573	0.0010	mg/kg	0.0500		115	70-125			
m,p-Xylenes	0.110	0.0020	mg/kg	0.100		110	70-125			
o-Xylene	0.0563	0.0010	mg/kg	0.0500		113	70-125			
Xylenes, Total	0.167	0.0020	mg/kg	0.150		111	70-125			
Di-isopropyl Ether (DIPE)	0.0712	0.0020	mg/kg	0.0500		142	60-140			*L*
Ethyl tert-Butyl Ether (ETBE)	0.0728	0.0020	mg/kg	0.0500		146	60-140			*L*
Methyl-tert-butyl Ether (MTBE)	0.0776	0.0020	mg/kg	0.0500		155	60-140			*L*
tert-Amyl Methyl Ether (TAME)	0.0695	0.0020	mg/kg	0.0500		139	60-145			
tert-Butanol (TBA)	0.256	0.020	mg/kg	0.250		102	70-135			
Surrogate: 4-Bromofluorobenzene	*0.0487*		*mg/kg*	*0.0500*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0553*		*mg/kg*	*0.0500*		*111*	*80-125*			
Surrogate: Toluene-d8	*0.0515*		*mg/kg*	*0.0500*		*103*	*80-120*			

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Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUB2603

Sampled: 02/22/11
Received: 02/24/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0626 Extracted: 03/04/11										
Matrix Spike Analyzed: 03/04/2011 (11C0626-MS1)					**Source: IUB2603-01**					
Benzene	0.0562	0.00099	mg/kg	0.0495	ND	113	65-130			
Ethylbenzene	0.0534	0.00099	mg/kg	0.0495	ND	108	70-135			
Toluene	0.0560	0.00099	mg/kg	0.0495	ND	113	70-130			
m,p-Xylenes	0.107	0.0020	mg/kg	0.0990	ND	108	70-130			
o-Xylene	0.0551	0.00099	mg/kg	0.0495	ND	111	65-130			
Xylenes, Total	0.162	0.0020	mg/kg	0.149	ND	109	70-125			
Di-isopropyl Ether (DIPE)	0.0703	0.0020	mg/kg	0.0495	ND	142	60-150			
Ethyl tert-Butyl Ether (ETBE)	0.0719	0.0020	mg/kg	0.0495	ND	145	60-145			
Methyl-tert-butyl Ether (MTBE)	0.0787	0.0020	mg/kg	0.0495	ND	159	55-155			*M7*
tert-Amyl Methyl Ether (TAME)	0.0695	0.0020	mg/kg	0.0495	ND	140	60-150			
tert-Butanol (TBA)	0.247	0.020	mg/kg	0.248	ND	100	65-145			
Surrogate: 4-Bromofluorobenzene	*0.0445*		*mg/kg*	*0.0495*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0552*		*mg/kg*	*0.0495*		*111*	*80-125*			
Surrogate: Toluene-d8	*0.0503*		*mg/kg*	*0.0495*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 03/04/2011 (11C0626-MSD1)					**Source: IUB2603-01**					
Benzene	0.0556	0.00099	mg/kg	0.0495	ND	112	65-130	1	20	
Ethylbenzene	0.0534	0.00099	mg/kg	0.0495	ND	108	70-135	0.04	25	
Toluene	0.0550	0.00099	mg/kg	0.0495	ND	111	70-130	2	20	
m,p-Xylenes	0.106	0.0020	mg/kg	0.0990	ND	108	70-130	0.8	25	
o-Xylene	0.0539	0.00099	mg/kg	0.0495	ND	109	65-130	2	25	
Xylenes, Total	0.160	0.0020	mg/kg	0.149	ND	108	70-125	1	25	
Di-isopropyl Ether (DIPE)	0.0687	0.0020	mg/kg	0.0495	ND	139	60-150	2	25	
Ethyl tert-Butyl Ether (ETBE)	0.0701	0.0020	mg/kg	0.0495	ND	142	60-145	2	30	
Methyl-tert-butyl Ether (MTBE)	0.0772	0.0020	mg/kg	0.0495	ND	156	55-155	2	35	*M7*
tert-Amyl Methyl Ether (TAME)	0.0676	0.0020	mg/kg	0.0495	ND	137	60-150	3	25	
tert-Butanol (TBA)	0.242	0.020	mg/kg	0.248	ND	98	65-145	2	30	
Surrogate: 4-Bromofluorobenzene	*0.0441*		*mg/kg*	*0.0495*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0537*		*mg/kg*	*0.0495*		*108*	*80-125*			
Surrogate: Toluene-d8	*0.0500*		*mg/kg*	*0.0495*		*101*	*80-120*			

TestAmerica Irvine

Philip Sanelle
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Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUB2603

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DATA QUALIFIERS AND DEFINITIONS

L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): ☐ CHECK IF NO INCIDENT # APPLIES

PO #

SAP #

DATE: _____

PAGE: 1 of 3

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin

State: CA

GLOBAL ID NO.:

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

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

SAMPLER NAME(S) (Print): DO

LAB USE ONLY: IUB2603

TELEPHONE: (510) 420-0700

FAX: 510-420-9170

E-MAIL: PSchaefer@craworld.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°: 2-3 C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B) — Do not run 8260B	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXY's (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: ____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	1	Container PID Readings or Laboratory Notes
✓	MW-2RC-5.5	2/22/11	1020	Soil				X				X	X		5.0	X									-Don't run 8260B for BTEX MTBE and TBA -Run 8260B for BTEX MTBE and TBA
✓	MW-2RC-15.5	2/22/11	1030	Soil				X				X	X		5.0	X									
✓	MW-2RC-25.5	2/22/11	1040	Soil				X				X	X			X									
✓	MW-2RC-35.5	2/22/11	1100	Soil				X				X	X			X									
✓	MW-2RC-10.5	2/22/11	1025	Soil				X																	Hold until further notice
✓	MW-2RC-20.5	2/22/11	1035	Soil				X																	
✓	MW-2RC-30.5	2/22/11	1050	Soil				X																	
✓	MW-2RC-40.5	2/22/11	1110	Soil				X																	
✓	MW-2RC-45.5	2/22/11	1115	Soil				X																	
✓	MW-2RC-50.5	2/22/11	1120	Soil				X																	

Relinquished by: (Signature)	Received by: (Signature)	Date: 2/23/11	Time: 1350
Relinquished by: (Signature) 2-23-11 1600	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 2/24/11	Time: 11:00

XH 2-24-11 1837

05/2/08 Revision

#24826

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES) ☐ CHECK IF NO INCIDENT # APPLIES

PO #

SAP #

DATE: _____

PAGE: 2 of 3

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin

State: CA

GLOBAL ID NO.:

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

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E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

SAMPLER NAME(S) (Print): William Martinez

LAB USE ONLY

TELEPHONE: (510) 420-0700

FAX: 510-420-9170

E-MAIL: pschaefer@craworld.com

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
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✓	MW-2RC-55.5	2/21/11	1125	Soil				X																							- Hold until
✓	MW-2RC-60.5	2/21/11	1130	Soil				X																							further notice
✓	MW-2RC-65.5	2/21/11	1230	Soil				X																							
✓	MW-2RC-70.5	2/21/11	1235	Soil				X																							
✓	MW-2RC-75.5	2/21/11	1240	Soil				X																							
✓	MW-2RC-80.5	2/21/11	1245	Soil				X																							
✓	MW-2RC-85.5	2/21/11	1250	Soil				X																							
✓	MW-2RC-90.5	2/21/11	1300	Soil				X																							
✓	MW-2RC-95.5	2/21/11	1305	Soil				X																							
✓	MW-2RC-100.5	2/21/11	1315	Soil				X																							

TEMPERATURE ON RECEIPT C° 2-3 C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
William Martinez	John Mullen	2/23/11	1350
John Mullen 2-23-11 1600			
		2/24/11	11:00

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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√	MW-2RC-105.5	2/24/11	1435	Soil				X																							-Hold until
√	MW-2RC-110.5	2/24/11	1440	Soil				X																							Further notice.

Relinquished by: (Signature) William Martinez	Received by: (Signature) John Mullen	Date: 2/23/11	Time: 1350
Relinquished by: (Signature) John Mullen 2-23-11 1600	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 2/24/11	Time: 11:00

05/2/06 Revision

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LABORATORY REPORT

Prepared For: Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project: 8999 San Ramon Rd., Dublin, CA

Sampled: 03/03/11
Received: 03/08/11
Issued: 03/22/11 09:43

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUC0900-01	B-1	Soil

Reviewed By:

Philip Sanelle

TestAmerica Irvine

Philip Sanelle
Project Manager

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Sampled: 03/03/11
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EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0900-01 (B-1 - Soil)								
Reporting Units: mg/kg								
DRO (C10-C28)	EPA 8015B	11C1414	10	77	2	3/10/2011	3/11/2011	
ORO (C29-C40)	EPA 8015B	11C1414	10	**120**	2	3/10/2011	3/11/2011	
Surrogate: n-Octacosane (40-140%)				*193 %*				*ZX*
Surrogate: n-Octacosane (40-140%)				*193 %*				*ZX*

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Report Number: IUC0900

Sampled: 03/03/11
Received: 03/08/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0900-01 (B-1 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11C2181	0.20	ND	0.998	3/16/2011	3/17/2011	
Surrogate: Dibromofluoromethane (80-125%)				*23 %*				Z
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0900-01 (B-1 - Soil)								
Reporting Units: mg/kg								
Benzene	EPA 8260B	11C2181	0.0010	ND	0.998	3/16/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C2181	0.0010	ND	0.998	3/16/2011	3/17/2011	
Toluene	EPA 8260B	11C2181	0.0010	ND	0.998	3/16/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C2181	0.0020	ND	0.998	3/16/2011	3/17/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-125%)				*23 %*				*Z*
Surrogate: Toluene-d8 (80-120%)				*107 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0900

Sampled: 03/03/11
Received: 03/08/11

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0900-01 (B-1 - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	11C1473	0.020	**0.080**	1	3/10/2011	3/10/2011	
Antimony	EPA 6010B	11C1278	9.8	ND	0.98	3/9/2011	3/12/2011	
Arsenic	EPA 6010B	11C1278	2.0	**3.8**	0.98	3/9/2011	3/12/2011	
Barium	EPA 6010B	11C1278	0.98	**110**	0.98	3/9/2011	3/12/2011	
Beryllium	EPA 6010B	11C1278	0.49	ND	0.98	3/9/2011	3/12/2011	
Cadmium	EPA 6010B	11C1278	0.49	ND	0.98	3/9/2011	3/12/2011	
Chromium	EPA 6010B	11C1278	0.98	**30**	0.98	3/9/2011	3/12/2011	
Cobalt	EPA 6010B	11C1278	0.98	**8.2**	0.98	3/9/2011	3/12/2011	
Copper	EPA 6010B	11C1278	2.0	**22**	0.98	3/9/2011	3/12/2011	
Lead	EPA 6010B	11C1278	2.0	**16**	0.98	3/9/2011	3/12/2011	
Molybdenum	EPA 6010B	11C1278	2.0	ND	0.98	3/9/2011	3/12/2011	
Nickel	EPA 6010B	11C1278	2.0	**27**	0.98	3/9/2011	3/12/2011	
Selenium	EPA 6010B	11C1278	2.0	ND	0.98	3/9/2011	3/12/2011	
Silver	EPA 6010B	11C1278	0.98	ND	0.98	3/9/2011	3/12/2011	
Thallium	EPA 6010B	11C1278	9.8	ND	0.98	3/9/2011	3/12/2011	
Vanadium	EPA 6010B	11C1278	0.98	**33**	0.98	3/9/2011	3/12/2011	
Zinc	EPA 6010B	11C1278	4.9	**58**	0.98	3/9/2011	3/12/2011	

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0900

Sampled: 03/03/11
Received: 03/08/11

ORGANIC LEAD BY GFAA (HML 939-M)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUC0900-01 (B-1 - Soil)								
Reporting Units: mg/kg								
Organic Lead	HML 939-M	11C2395	0.025	ND	1	3/17/2011	3/17/2011	C

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Sampled: 03/03/11
Received: 03/08/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1414 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C1414-BLK1)										
DRO (C10-C28)	ND	5.0	mg/kg							
ORO (C29-C40)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*6.37*		*mg/kg*	*6.67*		*96*	*40-140*			
Surrogate: n-Octacosane	*6.37*		*mg/kg*	*6.67*		*96*	*40-140*			
LCS Analyzed: 03/10/2011 (11C1414-BS1)										
DRO (C10-C28)	27.2	5.0	mg/kg	33.3		81	45-115			
EFH (C10 - C28)	27.2	5.0	mg/kg	33.3		81	45-115			
EFH (C10 - C28)	27.2	5.0	mg/kg	33.3		81	45-115			
Surrogate: n-Octacosane	*6.29*		*mg/kg*	*6.67*		*94*	*40-140*			
Surrogate: n-Octacosane	*6.29*		*mg/kg*	*6.67*		*94*	*40-140*			
Matrix Spike Analyzed: 03/10/2011 (11C1414-MS1)					**Source: IUC0854-14**					
EFH (C10 - C28)	26.3	5.0	mg/kg	33.3	ND	79	40-120			
EFH (C10 - C28)	26.3	5.0	mg/kg	33.3	ND	79	40-120			
Surrogate: n-Octacosane	*5.80*		*mg/kg*	*6.67*		*87*	*40-140*			
Surrogate: n-Octacosane	*5.80*		*mg/kg*	*6.67*		*87*	*40-140*			
Matrix Spike Dup Analyzed: 03/10/2011 (11C1414-MSD1)					**Source: IUC0854-14**					
EFH (C10 - C28)	25.9	5.0	mg/kg	33.3	ND	78	40-120	1	30	
EFH (C10 - C28)	25.9	5.0	mg/kg	33.3	ND	78	40-120	1	30	
Surrogate: n-Octacosane	*6.16*		*mg/kg*	*6.67*		*92*	*40-140*			
Surrogate: n-Octacosane	*6.16*		*mg/kg*	*6.67*		*92*	*40-140*			

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Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C2181 Extracted: 03/16/11										
Blank Analyzed: 03/16/2011 (11C2181-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	0.20	mg/kg							
Surrogate: Dibromofluoromethane	*0.0557*		*mg/kg*	*0.0500*		*111*	*80-125*			
Surrogate: Toluene-d8	*0.0560*		*mg/kg*	*0.0500*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0521*		*mg/kg*	*0.0500*		*104*	*80-120*			
LCS Analyzed: 03/16/2011 (11C2181-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	0.843	0.20	mg/kg	1.00		84	60-135			
Surrogate: Dibromofluoromethane	*0.0540*		*mg/kg*	*0.0500*		*108*	*80-125*			
Surrogate: Toluene-d8	*0.0561*		*mg/kg*	*0.0500*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0526*		*mg/kg*	*0.0500*		*105*	*80-120*			
Matrix Spike Analyzed: 03/17/2011 (11C2181-MS1)					**Source: IUC1436-01**					
Volatile Fuel Hydrocarbons (C4-C12)	2.41	0.20	mg/kg	3.42	0.133	67	50-140			
Surrogate: Dibromofluoromethane	*0.0277*		*mg/kg*	*0.0496*		*56*	*80-125*			*Z*
Surrogate: Toluene-d8	*0.0543*		*mg/kg*	*0.0496*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0531*		*mg/kg*	*0.0496*		*107*	*80-120*			
Matrix Spike Dup Analyzed: 03/17/2011 (11C2181-MSD1)					**Source: IUC1436-01**					
Volatile Fuel Hydrocarbons (C4-C12)	2.71	0.20	mg/kg	3.40	0.133	76	50-140	12	25	
Surrogate: Dibromofluoromethane	*0.00318*		*mg/kg*	*0.0493*		*6*	*80-125*			*Z*
Surrogate: Toluene-d8	*0.0530*		*mg/kg*	*0.0493*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0508*		*mg/kg*	*0.0493*		*103*	*80-120*			

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Report Number: IUC0900

Sampled: 03/03/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C2181 Extracted: 03/16/11										
Blank Analyzed: 03/16/2011 (11C2181-BLK1)										
Benzene	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
m,p-Xylenes	ND	0.0020	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Xylenes, Total	ND	0.0020	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.0521*		*mg/kg*	*0.0500*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0557*		*mg/kg*	*0.0500*		*111*	*80-125*			
Surrogate: Toluene-d8	*0.0560*		*mg/kg*	*0.0500*		*112*	*80-120*			
LCS Analyzed: 03/16/2011 (11C2181-BS1)										
Benzene	0.0485	0.0010	mg/kg	0.0500		97	65-120			
Ethylbenzene	0.0528	0.0010	mg/kg	0.0500		106	70-125			
Toluene	0.0526	0.0010	mg/kg	0.0500		105	70-125			
m,p-Xylenes	0.110	0.0020	mg/kg	0.100		110	70-125			
o-Xylene	0.0545	0.0010	mg/kg	0.0500		109	70-125			
Xylenes, Total	0.164	0.0020	mg/kg	0.150		110	70-125			
Surrogate: 4-Bromofluorobenzene	*0.0549*		*mg/kg*	*0.0500*		*110*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0569*		*mg/kg*	*0.0500*		*114*	*80-125*			
Surrogate: Toluene-d8	*0.0557*		*mg/kg*	*0.0500*		*111*	*80-120*			
Matrix Spike Analyzed: 03/17/2011 (11C2181-MS1)					**Source: IUC1436-01**					
Benzene	0.0472	0.00099	mg/kg	0.0496	0.000699	94	65-130			
Ethylbenzene	0.0518	0.00099	mg/kg	0.0496	0.00485	95	70-135			
Toluene	0.0516	0.00099	mg/kg	0.0496	0.000559	103	70-130			
m,p-Xylenes	0.109	0.0020	mg/kg	0.0992	0.00244	107	70-130			
o-Xylene	0.0534	0.00099	mg/kg	0.0496	0.000798	106	65-130			
Xylenes, Total	0.162	0.0020	mg/kg	0.149	0.00323	107	70-125			
Surrogate: 4-Bromofluorobenzene	*0.0531*		*mg/kg*	*0.0496*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*0.0277*		*mg/kg*	*0.0496*		*56*	*80-125*			Z
Surrogate: Toluene-d8	*0.0543*		*mg/kg*	*0.0496*		*110*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C2181 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C2181-MSD1)					**Source: IUC1436-01**					
Benzene	0.0513	0.00099	mg/kg	0.0493	0.000699	103	65-130	8	20	
Ethylbenzene	0.0711	0.00099	mg/kg	0.0493	0.00485	134	70-135	31	25	*M1*
Toluene	0.0536	0.00099	mg/kg	0.0493	0.000559	108	70-130	4	20	
m,p-Xylenes	0.113	0.0020	mg/kg	0.0986	0.00244	112	70-130	4	25	
o-Xylene	0.0557	0.00099	mg/kg	0.0493	0.000798	111	65-130	4	25	
Xylenes, Total	0.169	0.0020	mg/kg	0.148	0.00323	112	70-125	4	25	
Surrogate: 4-Bromofluorobenzene	*0.0508*		*mg/kg*	*0.0493*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*0.00318*		*mg/kg*	*0.0493*		*6*	*80-125*			*Z*
Surrogate: Toluene-d8	*0.0530*		*mg/kg*	*0.0493*		*107*	*80-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1278 Extracted: 03/09/11										
Blank Analyzed: 03/11/2011 (11C1278-BLK1)										
Antimony	ND	9.8	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	0.98	mg/kg							
Beryllium	ND	0.49	mg/kg							
Cadmium	ND	0.49	mg/kg							
Chromium	ND	0.98	mg/kg							
Cobalt	ND	0.98	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	0.98	mg/kg							
Thallium	ND	9.8	mg/kg							
Vanadium	ND	0.98	mg/kg							
Zinc	ND	4.9	mg/kg							
LCS Analyzed: 03/11/2011 (11C1278-BS1)										
Antimony	40.5	9.9	mg/kg	49.3		82	80-120			
Arsenic	41.1	2.0	mg/kg	49.3		83	80-120			
Barium	41.1	0.99	mg/kg	49.3		83	80-120			
Beryllium	42.0	0.49	mg/kg	49.3		85	80-120			
Cadmium	40.2	0.49	mg/kg	49.3		82	80-120			
Chromium	39.4	0.99	mg/kg	49.3		80	80-120			
Cobalt	39.4	0.99	mg/kg	49.3		80	80-120			
Copper	49.3	2.0	mg/kg	49.3		100	80-120			
Lead	39.9	2.0	mg/kg	49.3		81	80-120			
Molybdenum	49.5	2.0	mg/kg	49.3		101	80-120			
Nickel	41.8	2.0	mg/kg	49.3		85	80-120			
Selenium	45.2	2.0	mg/kg	49.3		92	80-120			
Silver	20.7	0.99	mg/kg	24.6		84	80-120			
Thallium	40.8	9.9	mg/kg	49.3		83	80-120			
Vanadium	39.8	0.99	mg/kg	49.3		81	80-120			
Zinc	47.9	4.9	mg/kg	49.3		97	80-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1278 Extracted: 03/09/11										
Matrix Spike Analyzed: 03/11/2011 (11C1278-MS1)					**Source: IUC0993-01**					
Antimony	21.6	9.9	mg/kg	49.5	1.08	41	75-125			*M2*
Arsenic	44.7	2.0	mg/kg	49.5	3.15	84	75-125			
Barium	104	0.99	mg/kg	49.5	66.7	75	75-125			
Beryllium	43.1	0.50	mg/kg	49.5	0.235	87	75-125			
Cadmium	39.8	0.50	mg/kg	49.5	ND	80	75-125			
Chromium	53.8	0.99	mg/kg	49.5	14.5	79	75-125			
Cobalt	44.2	0.99	mg/kg	49.5	6.59	76	75-125			
Copper	63.3	2.0	mg/kg	49.5	30.5	66	75-125			*M2*
Lead	66.4	2.0	mg/kg	49.5	33.0	67	75-125			*M2*
Molybdenum	36.8	2.0	mg/kg	49.5	ND	74	75-125			*M2*
Nickel	52.0	2.0	mg/kg	49.5	12.3	80	75-125			
Selenium	38.9	2.0	mg/kg	49.5	ND	79	75-125			
Silver	20.2	0.99	mg/kg	24.8	ND	82	75-125			
Thallium	40.9	9.9	mg/kg	49.5	ND	83	75-125			
Vanadium	64.5	0.99	mg/kg	49.5	26.1	78	75-125			
Zinc	98.6	5.0	mg/kg	49.5	58.8	80	75-125			
Matrix Spike Dup Analyzed: 03/11/2011 (11C1278-MSD1)					**Source: IUC0993-01**					
Antimony	19.7	10	mg/kg	50.0	1.08	37	75-125	9	20	*M2*
Arsenic	47.4	2.0	mg/kg	50.0	3.15	88	75-125	6	20	
Barium	108	1.0	mg/kg	50.0	66.7	82	75-125	3	20	
Beryllium	45.0	0.50	mg/kg	50.0	0.235	89	75-125	4	20	
Cadmium	41.4	0.50	mg/kg	50.0	ND	83	75-125	4	20	
Chromium	54.0	1.0	mg/kg	50.0	14.5	79	75-125	0.3	20	
Cobalt	46.3	1.0	mg/kg	50.0	6.59	79	75-125	5	20	
Copper	62.1	2.0	mg/kg	50.0	30.5	63	75-125	2	20	*M2*
Lead	61.1	2.0	mg/kg	50.0	33.0	56	75-125	8	20	*M2*
Molybdenum	38.0	2.0	mg/kg	50.0	ND	76	75-125	3	20	
Nickel	53.6	2.0	mg/kg	50.0	12.3	83	75-125	3	20	
Selenium	41.6	2.0	mg/kg	50.0	ND	83	75-125	7	20	
Silver	20.9	1.0	mg/kg	25.0	ND	84	75-125	3	20	
Thallium	42.7	10	mg/kg	50.0	ND	85	75-125	4	20	
Vanadium	65.4	1.0	mg/kg	50.0	26.1	79	75-125	1	20	
Zinc	90.9	5.0	mg/kg	50.0	58.8	64	75-125	8	20	*M2*

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C1473 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C1473-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 03/10/2011 (11C1473-BS1)										
Mercury	0.915	0.020	mg/kg	0.800		114	80-120			
Matrix Spike Analyzed: 03/10/2011 (11C1473-MS1)					**Source: IUC1045-01**					
Mercury	0.865	0.020	mg/kg	0.800	0.0157	106	70-130			
Matrix Spike Dup Analyzed: 03/10/2011 (11C1473-MSD1)					**Source: IUC1045-01**					
Mercury	0.907	0.020	mg/kg	0.800	0.0157	111	70-130	5	20	

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METHOD BLANK/QC DATA

ORGANIC LEAD BY GFAA (HML 939-M)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C2395 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C2395-BLK1)										
Organic Lead	ND	0.025	mg/kg							
LCS Analyzed: 03/17/2011 (11C2395-BS1)										
Organic Lead	0.114	0.025	mg/kg	0.100		114	80-120			
Matrix Spike Analyzed: 03/17/2011 (11C2395-MS1)					**Source: IUC0900-01**					
Organic Lead	0.0959	0.025	mg/kg	0.100	ND	96	80-120			
Matrix Spike Dup Analyzed: 03/17/2011 (11C2395-MSD1)					**Source: IUC0900-01**					
Organic Lead	0.101	0.025	mg/kg	0.100	ND	101	80-120	5	20	

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DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Conestoga-Rovers & Associates - Emeryville Shell
5900 Hollis St., Suite A
Emeryville, CA 94608
Attention: Peter Schaefer

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUC0900

Sampled: 03/03/11
Received: 03/08/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6010B	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
HML 939-M	Soil	N/A	X
TPH by GC/MS	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

FUC0900

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 240724

PO #

INCIDENT # (ENV SERVICES): 9756599 5

☐ CHECK IF NO INCIDENT # APPLIES

SAP #: 1352440

DATE: 3/7/2011

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE	SITE ADDRESS: Street and City	State	GLOBAL ID NO.
Conestoga-Rovers & Associates	CRAW	8999 San Ramon Road, Dublin	CA	T0600159797

ADDRESS	EDF DELIVERABLE TO (Name, Company, Office Location)	PHONE NO.	E-MAIL	CONSULTANT PROJECT NO.
5900 Hollis Street, Suite A, Emeryville, CA 94608	Brenda Carter, CRA, Emeryville	510-420-3343	shelledf@craworld.com	240724-95-11.06

PROJECT CONTACT (Hardcopy or PDF Report to)	TELEPHONE	FAX	E-MAIL
Peter Schaefer	510-420-3319	510-420-9170	pschaefer@craworld.com

SAMPLER NAME(S) (Print): William Martinez

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

cc: Derek Eisman, DEisman@craworld.com and Shell.Lab.Billing@craworld.com

Marked TAT except for those contingent tests needed for Aquatic Bioassay determination (5 day TAT or better may apply)

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM 17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)			Container PID Readings or Laboratory Notes
	B-1A	3/3/2011		SO						1	X	X	X											X	X						Please
	B-1B	3/3/2011		SO						1	X	X	X											X	X						call composite
	B-1C	3/3/2011		SO						1	X	X	X											X	X						sample B-1
	B-1D	3/3/2011		SO						1	X	X	X											X	X						

TEMPERATURE ON RECEIPT C°

(cs) 2.5°C

0.0 3/8/11 10:20

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
William Martinez	Gerald Naylor	3-7-11	13:51
Gerald Naylor 3-7-11 18:20			
	V. Banuelos (cs) 2.5°C	3/8/11	10:20

05/2/06 Revision

08V04