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Environmental Health

August 17, 2011

Ms. Donna Drogos
Alameda County Environmental Health
1131 Harbor Parkway, Suite 250
Oakland, CA 94502-6577

Subject: Interim Results Report
Shore Acres Gas
403 East 12th Street, Oakland, Alameda County, California
RO #0002931
ECG # GHA.19009

Dear Ms. Drogos:

Enclosed please find a copy of the August 17, 2011 Interim Results Report with proposed off-site boring locations for the above referenced site prepared by our consultant Environmental Compliance Group, LLC.

I declare, under penalty and perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Respectfully,

Rashid Ghafoor

Environmental Compliance Group, LLC

270 Vintage Drive
Turlock, CA 95382
P: 209.664.1035
F: 209.664.1040

INTERIM RESULTS AND SECOND QUARTER 2011 GROUNDWATER MONITORING REPORT

SHORE ACRES GAS
403 EAST 12TH STREET
OAKLAND, CALIFORNIA

Prepared for: Rashid Ghafoor

ECG Project Number: GHA.19009
Alameda County Fuel Leak Case No. RO0002931

August 17, 2011

Drew Van Allen
Senior Project Manager

Michael S. Sgourakis
Principal Geologist
CA P.G. No. 7194

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INTRODUCTION

Environmental Compliance Group (ECG) has been authorized by Mr. Rashid Ghafoor to provide this interim results report for the site.

This interim report provides details on:

- installing six groundwater monitoring and two dual phase extraction wells,
- conducting the second quarter 2011 groundwater monitoring event,
- and proposes offsite locations for additional testing.

This interim report was prepared by ECG as specified by the Alemeda County Health Care Services (ACHCS) Agency in their directive letter dated June 17, 2011 (Appendix A). This work was conducted according to the workplans prepared by ECG on February 9, April 14, and June 6, 2011, Site information is as follows:

Site Location:	403 East 12th Street Oakland, California
Geotracker Global ID:	T0600174667

LIMITATIONS

This report has been prepared for use by Rashid Ghafoor and the relevant regulatory agencies. The conclusions in this report are professional opinions based on the data presented in this report. This report was prepared in general accordance with hydrogeologic and engineering methods and standards. No other warranties are made as to the findings or conclusions presented in this report. The work described in this report was performed under the direct supervision of the professional geologist whose signature and State of California registration are shown above.

PROJECT BACKGROUND

INVESTIGATIONS

In July 2006, Geofon Incorporated (Geofon) advanced soil borings GP-1 and GP-2 and collected and analyzed soil samples. Results are detailed in Geofon's report entitled *Summary of Phase II Assessment Activities,* dated July 25, 2006.

In August 2009, Wright Environmental Services, Inc. (Wright) removed three USTs, associated fuel dispensers, and all associated piping. Results are detailed in Wright's *Closure Report for Three Underground Storage Tanks*, dated September 2009.

In April 2010, Apex Envirotech, Inc. (Apex) advanced nine soil borings to evaluate the lateral extent of impacted soil and groundwater. Results are documented in Apex's *Subsurface Investigation Results Report* dated June 23, 2010.

SITE ASSESSMENT SCOPE OF WORK

In correspondence dated June 17, 2011 (Appendix A), ACHCS requested an interim results report to assess the lateral and vertical extent of soil and groundwater contamination and establish groundwater gradient direction so offsite sample locations could be selected to further delineate the lateral and vertical extent of impacted soil and groundwater. The following sections complete that request.

WELL INSTALLATIONS

ECG prepared a site-specific Health and Safety Plan for the proposed scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR.1910.120). The document was reviewed and signed by all ECG personnel and subcontractors prior to performing work at the site.

Prior to conducting and subsurface work at the site, Underground Services Alert (USA) was contacted to delineate subsurface utilities near the site with surface markings. In addition, the first five feet of every location was hand cleared as a further precaution against damaging underground utilities. All work was done in accordance to ECG Standard Operating Procedures (SOPs) included as Appendix B.

On June 20 through 23, 2011, ECG supervised Resonant Sonic Industries (RSI) of Woodland, California, during the installation of six groundwater monitoring wells (MW-1 through MW-6) and two extraction wells (EW-1 and EW-2) at locations shown on Figure 2. The wells were installed using 8-inch diameter augers. Well construction details are contained in Table 1.

SOIL SAMPLING

Soil Samples were collected at five foot intervals in each boring and the soil was logged for lithology and monitored for volatile organic compounds with a photo ionization detector (PID). Based on soil type and PID readings, all selected samples were chosen for analysis if sufficient soil recovered allowed for sampling, samples were sealed with Teflon tape and plastic end caps, labeled, and placed in an insulated container for delivery to Argon Labs in Ceres, California under proper chain-of-custody documentation. The soil samples were analyzed for TPHg and TPHd by EPA Method 8015M and BTEX, five oxygenates, and two lead scavengers by EPA Method 8260B. Following grouting, the wells were completed with a 12-inch traffic rated Christy Box. Analytical results are tabulated in Tables 2a and 2b. Analytical data sheets are contained in Appendix C.

SECOND QUARTER 2011 GROUNDWATER MONITORING EVENT

ECG performed the second quarter 2011 groundwater monitoring and sampling event at the site on June 23, 2011. Gauging, development, purging, and sampling were conducted in accordance with ECG's SOPs included in Appendix B. The collected groundwater samples were submitted to Argon Analytical Services, Inc. located in Ceres, California for laboratory analysis under COC protocols (Appendix C).

The following is a summary of the current status of the groundwater monitoring program at the site:

Current Phase of Project:	Assessment
Groundwater Sampling Schedule:	Quarterly Wells MW-1 through MW-6, VW-1, and VW-2
Analysis:	TPHg and TPHd by EPA Method 8015M, BTEX, 5 oxygenates, and 2 lead scavengers by EPA Method 8260B
Is Free Product Present On-Site:	No

The following is a summary of recent field and analytical data:

Average Depth to Groundwater	10.52-feet below ground surface (bgs)
Average Groundwater Elevation	20.61-feet above mean sea level
Groundwater Gradient Direction	Radially outward
Groundwater Gradient	0.018 feet/foot
TPHg Detected Range	11,000 ug/L (MW-6) to 130,000 ug/L (MW-5)
Benzene Detected Range	1,000 ug/L (MW-2) to 15,000 ug/L (MW-3)
MTBE Detected	240 ug/L (MW-2) to 8,200 (MW-3)

Laboratory analytical reports and COCs are provided in Appendix C. Field notes are located in Appendix D. Summaries of groundwater monitoring and analytical data are presented in Tables 4a and 4b.

FIVE DAY EXTRACTION PILOT TEST

ECG conducted two 2-day DPE pilot tests from June 24 through 28, 2011. A portable DPE unit was rented from Mako Industries in Anaheim, California under their blanket air board permit. The DPE unit used was a Model 300 TCAT, thermal oxidizer capable of extracting and abating soil vapors at a rate of 300 standard cubic feet per minute (SCFM) and equipped with a liquid ring pump. The test was effective at dewatering the aquifer and removing contaminants in soil and groundwater while yielding a sufficient yet not overbearing amount of groundwater. The results will be discussed in the final report due to ACHCS on November 17, 2011.

DUAL PHASE EXTRACTION WELL SAMPLING

ECG performed a sampling event at the site on June 28, 2011 on the two DPE wells immediately after the dual phase extraction (DPE) event. Gauging, development, purging, and sampling were conducted in accordance with ECG's SOPs included in Appendix B. The collected groundwater samples were submitted to Argon for the same constituents as the QMR event (diesel was not analyzed). The results are tabulated on Tables 4a and 4b.

RESULTS AND CONCLUSIONS

The site was comprised almost entirely of silt with small amounts of sand and clay discontinuously found at varying depths and locations around the site. The former UST basin was backfilled with sand which is now been impacted by petroleum hydrocarbons. Boring logs will be presented in the final report.

Groundwater is shallow with semi confined conditions. Groundwater was encountered at approximately 17-feet bgs and static water levels were approximately 10-feet bgs. Groundwater flow is radially outward from well MW-5 (Figure 3). Groundwater isoconcentration maps (Figures 4 through 6) display an apparent southwest flow direction based on contaminant concentrations in groundwater. Well MW-5 may be spuriously elevated due to the wells location in the former UST basin which is now backfilled with sand. If well MW-5 were excluded from the potentiometric surface map, groundwater flow would be to the west. TPHg and benzene are not defined in any direction. MTBE is defined to the northeast by well MW-4.

Figures 7 through 11 illustrate soil contamination isoconcentrations at 10 and 20-25 feet using both the June 2011 ECG data and the April 2010 Apex data. Soil isoconcentrations show the entire site is impacted with TPHg and benzene. The contaminant lessening effects of overexcavation and backfilling are seen around the locations of the former USTs. Vertically, TPHg is not detected at 20-feet bgs or deeper but low level concentrations of benzene were detected at locations MW-3, MW-4, and VW-2 at the 20-feet bgs samples (no benzene was detected at 25- and 30-fet bgs during the April 2010 investigation). No soil sample was collected at well MW-5 at 20-feet bgs due to limited recovery but PID field readings (74 ppm) were three times higher than any other location at 20-feet bgs and suggest it had been impacted. MTBE impacts to soil were reported at low levels site wide and are not vertically defined.

Figures 12 through 14 are cross sections providing and third dimension for the special distribution of soil contamination and also show groundwater levels and site lithology. These figures show the bulk of contamination is present between 10-and 15-feet bgs in the central portion of the site.

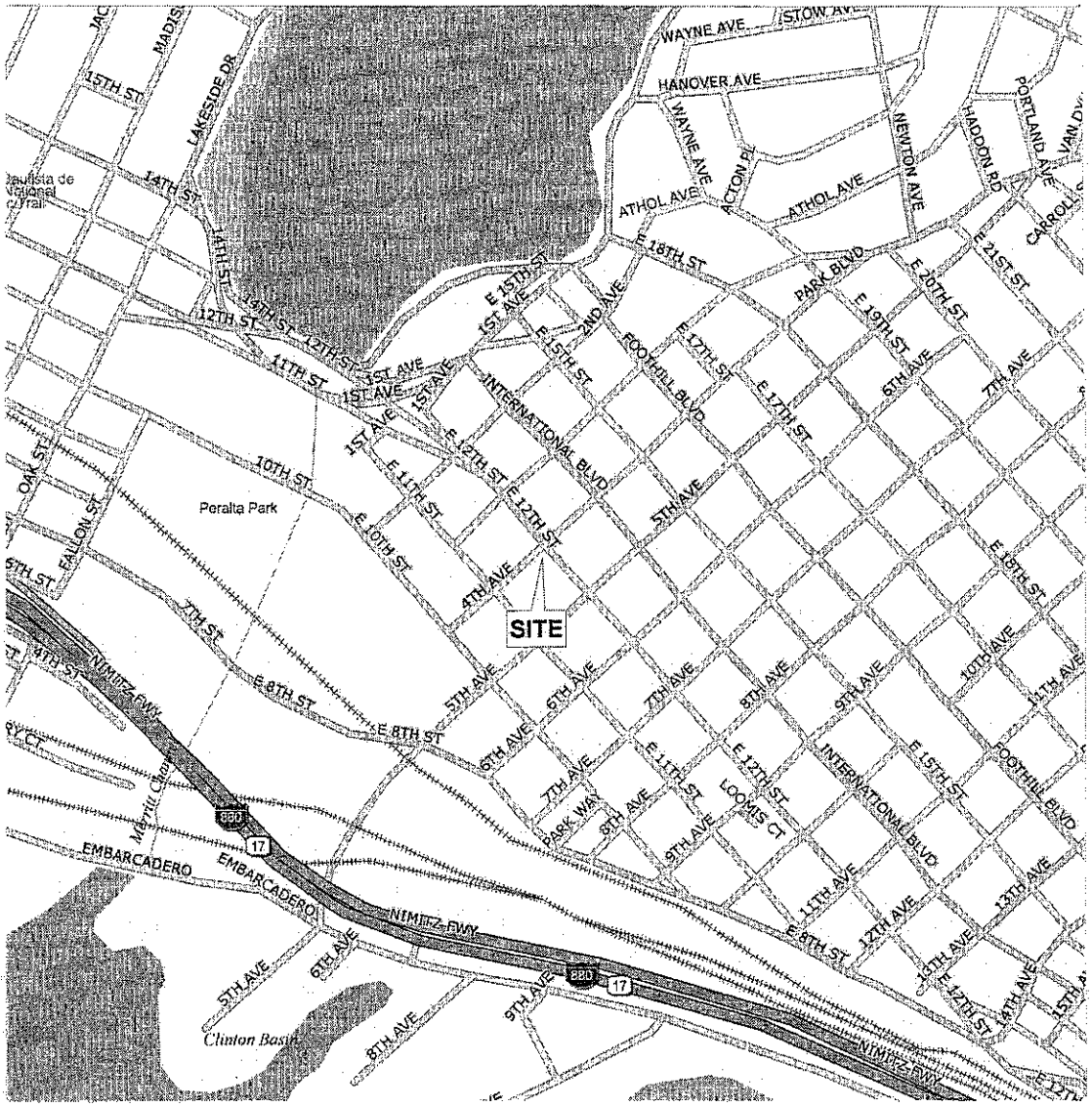
Based on the results presented above, seven soil borings are proposed to attempt to laterally define TPHg, benzene, and MTBE in soil and groundwater. The proposed boring locations are shown on Figure 15. The three borings on east 11th Street and the westernmost boring on 4th Avenue are located to provide the lateral definition in the apparent downgradient direction. The two additional borings on 4th Avenue and the boring on East 12th Street will address the lateral spread of TPHg and benzene to the north and east based on the radial flow seen at the site and the contaminant distribution shown on Figures 3 through 6. The borings will be advanced using direct push as discussed below.

PROPOSED SOIL BORINGS

Prior to conducting any subsurface work at the site, Underground Services Alert (USA) will be contacted to delineate subsurface utilities near the site with surface markings. In addition, the first five feet of every location will be hand cleared as a further precaution against damaging underground utilities. All work will be done in accordance to ECG SOPs included as Appendix B.

ECG will supervise a California licensed C57 driller during the advancement of seven direct push soil borings. Based on current site information, first encountered groundwater will be approximately 17-feet bgs. Soil samples will be collected continuously and lithology and visual and olfactory observations will be recorded in the field. Soil samples will be field screened with a PID and at least three soil samples from each boring will be submitted for chemical analyses. Sample depth intervals submitted for analysis will be based on selecting the most impacted location determined by field observations and quantifying vertical definition.

After soil sampling is completed, the probe pipes will be removed and a groundwater sample will be collected from each boring and submitted for chemical analyses. The fresh formation water entering the boring will be sampled directly from the direct push boring. Upon completion, the borings will be grouted to the surface. Soil boring activities will be detailed in ECG's final report due November 17, 2011.



NORTH

0 1,000 2,000

Approximate Scale In Feet
1 inch = 1,000 Feet

FIGURE 1	**SITE LOCATION MAP**	**Environmental Compliance Group, LLC**
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: February 9, 2011		

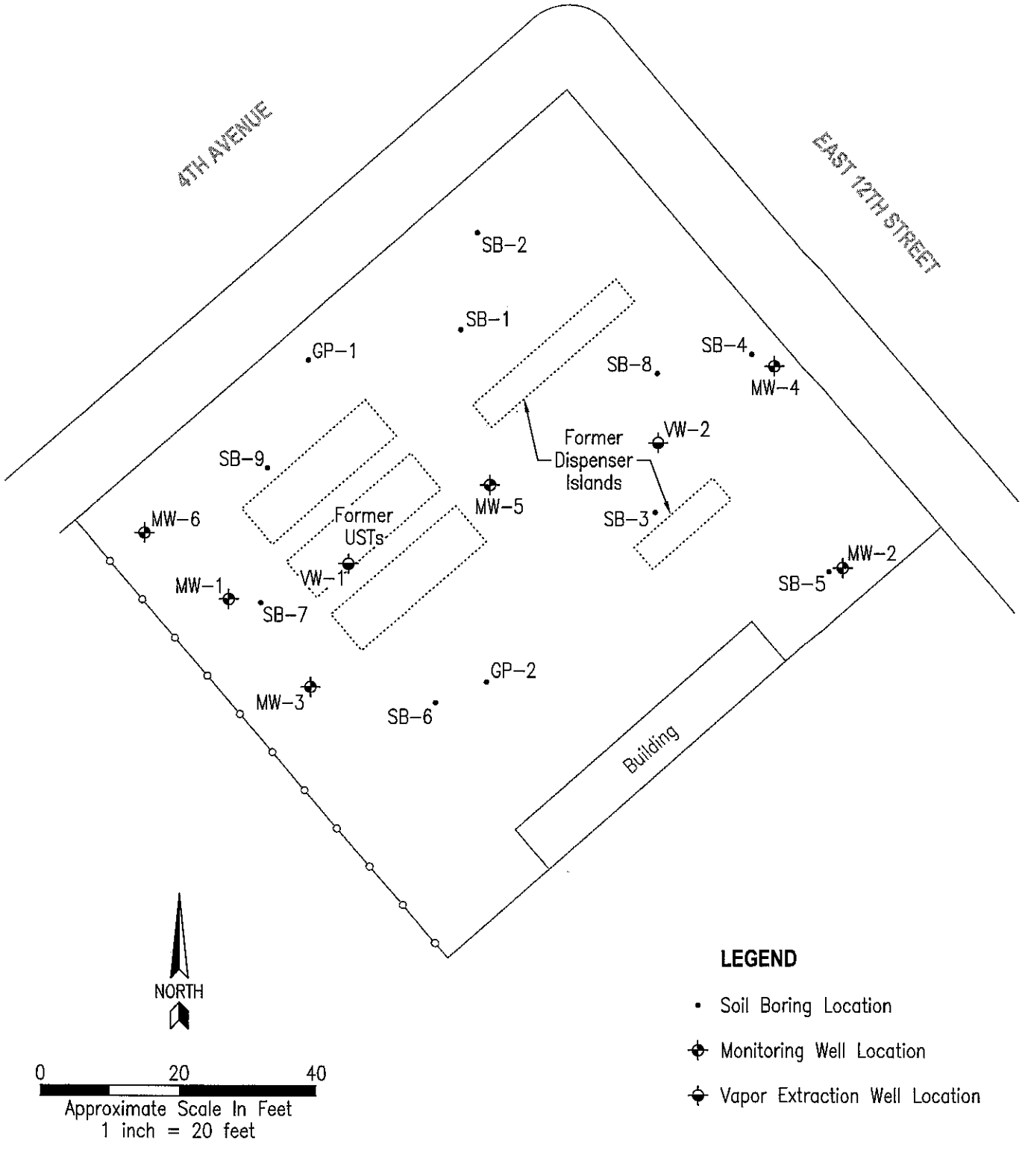


FIGURE 2 **Project Number:** GHA.19009 **Date:** July 21, 2011	**SITE MAP** Shore Acre Gas 403 East 12th Street Oakland, California	**Environmental Compliance Group, LLC** 270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035

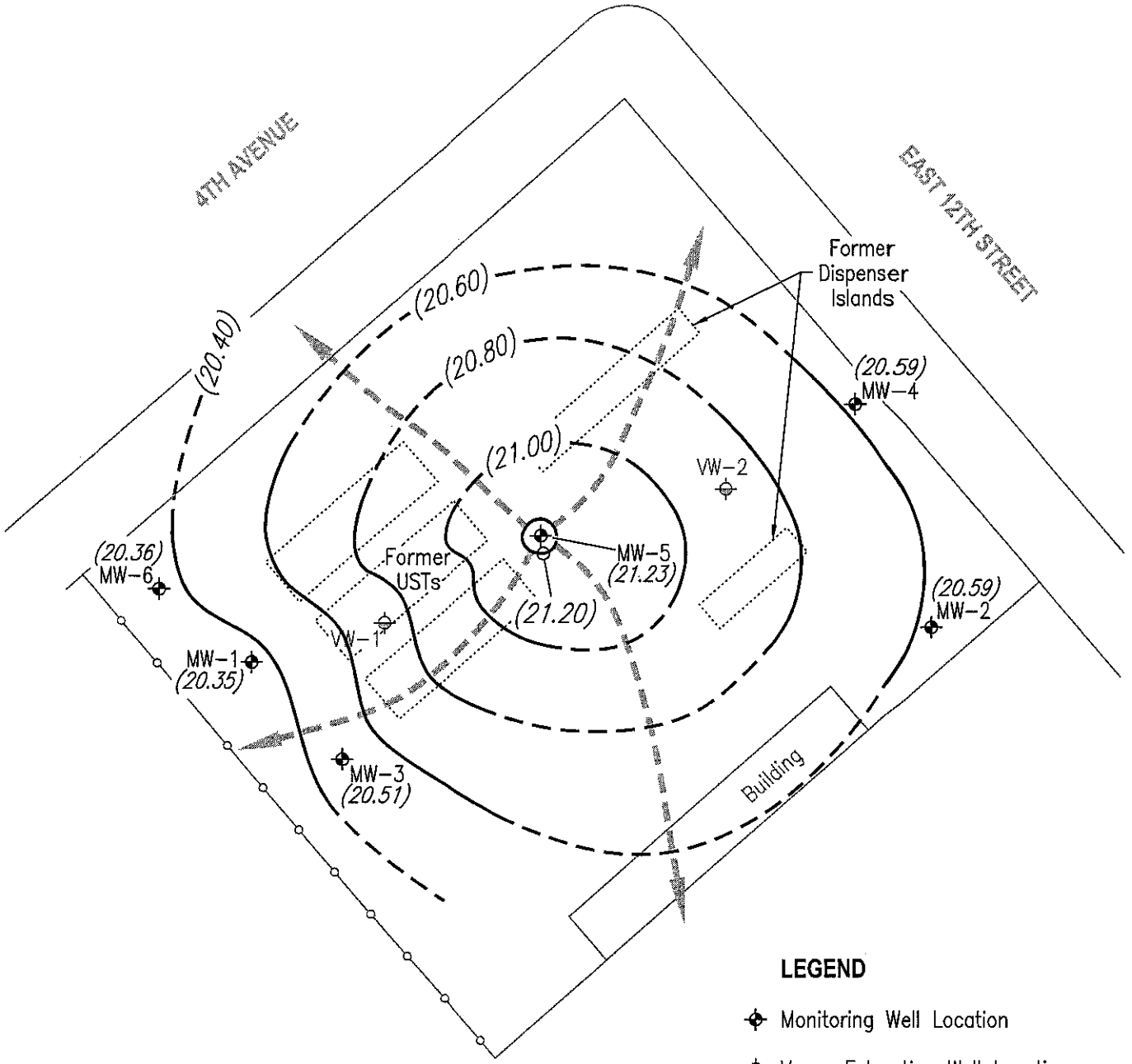


FIGURE 3 **Project Number:** GHA.19009 **Date:** August 16, 2011	**POTENTIOMETRIC SURFACE MAP** **JUNE 23, 2011** Shore Acre Gas 403 East 12th Street Oakland, California	**Environmental Compliance Group, LLC** 270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035

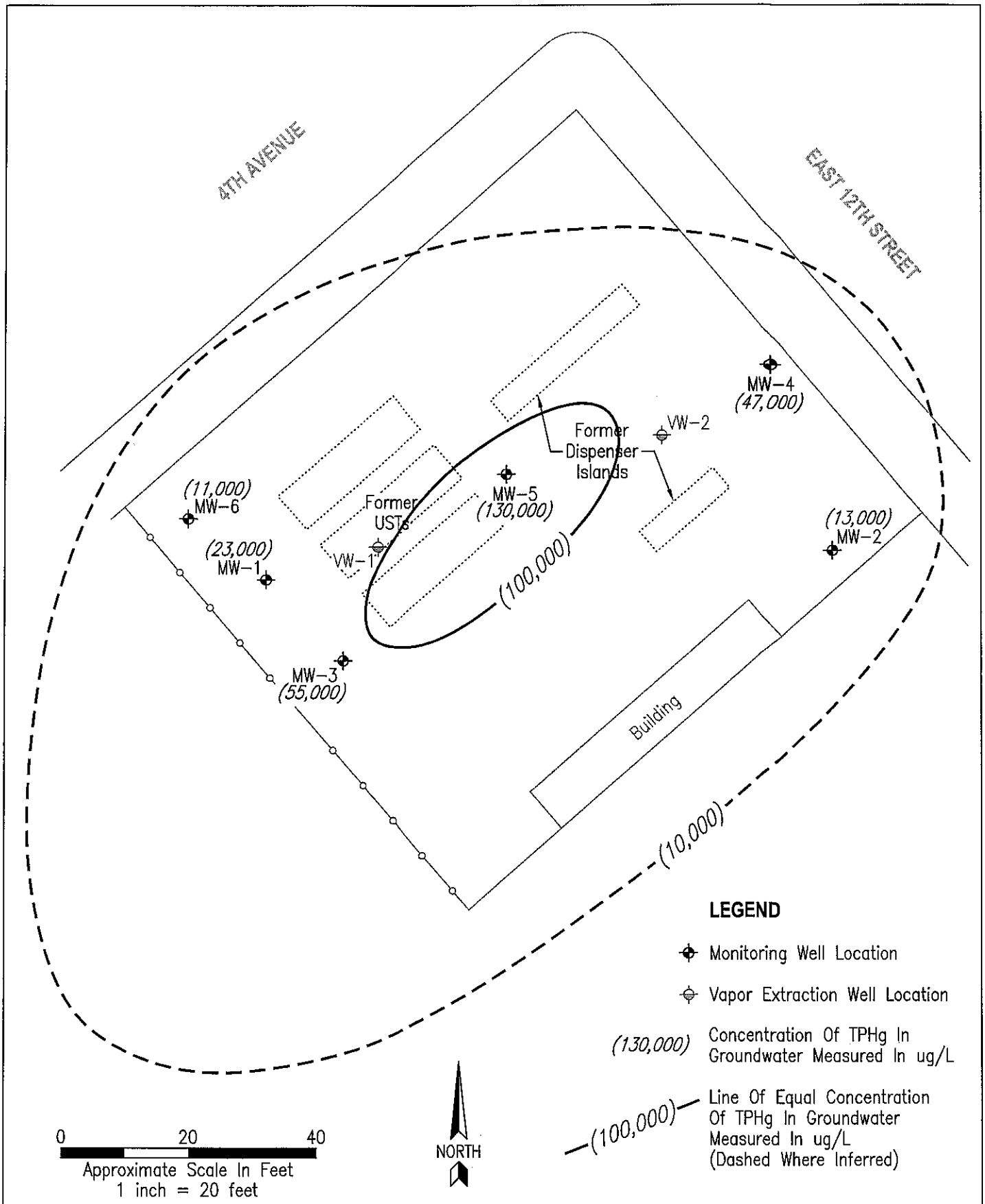


FIGURE 4 **Project Number:** GHA.19009 **Date:** August 16, 2011	**TPHg IN GROUNDWATER ISOCONCENTRATION MAP JUNE 23, 2011** Shore Acre Gas 403 East 12th Street Oakland, California	**Environmental Compliance Group, LLC** 270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035

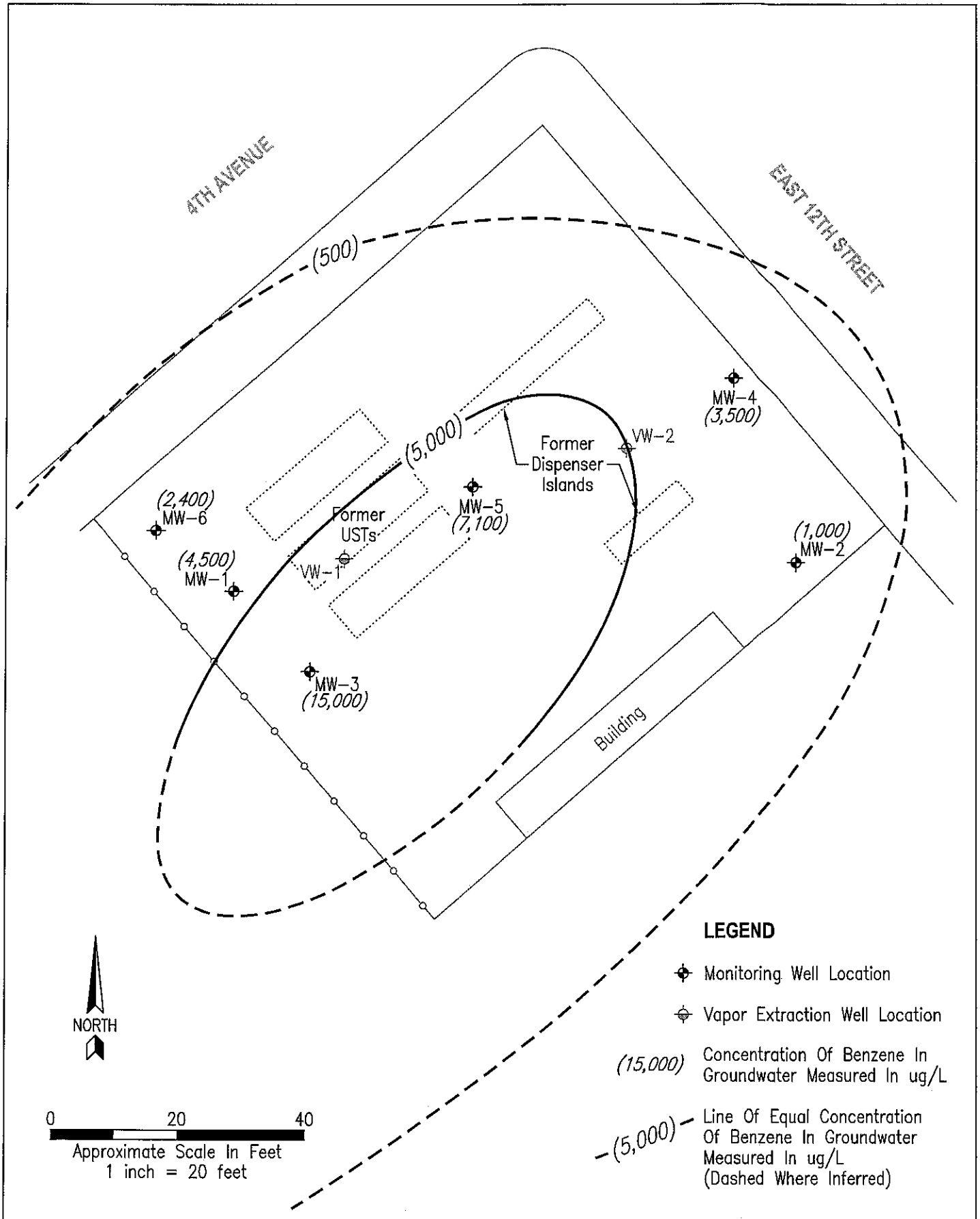


FIGURE 5	**BENZENE IN GROUNDWATER ISOCONCENTRATION MAP JUNE 23, 2011**	**Environmental Compliance Group, LLC**
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

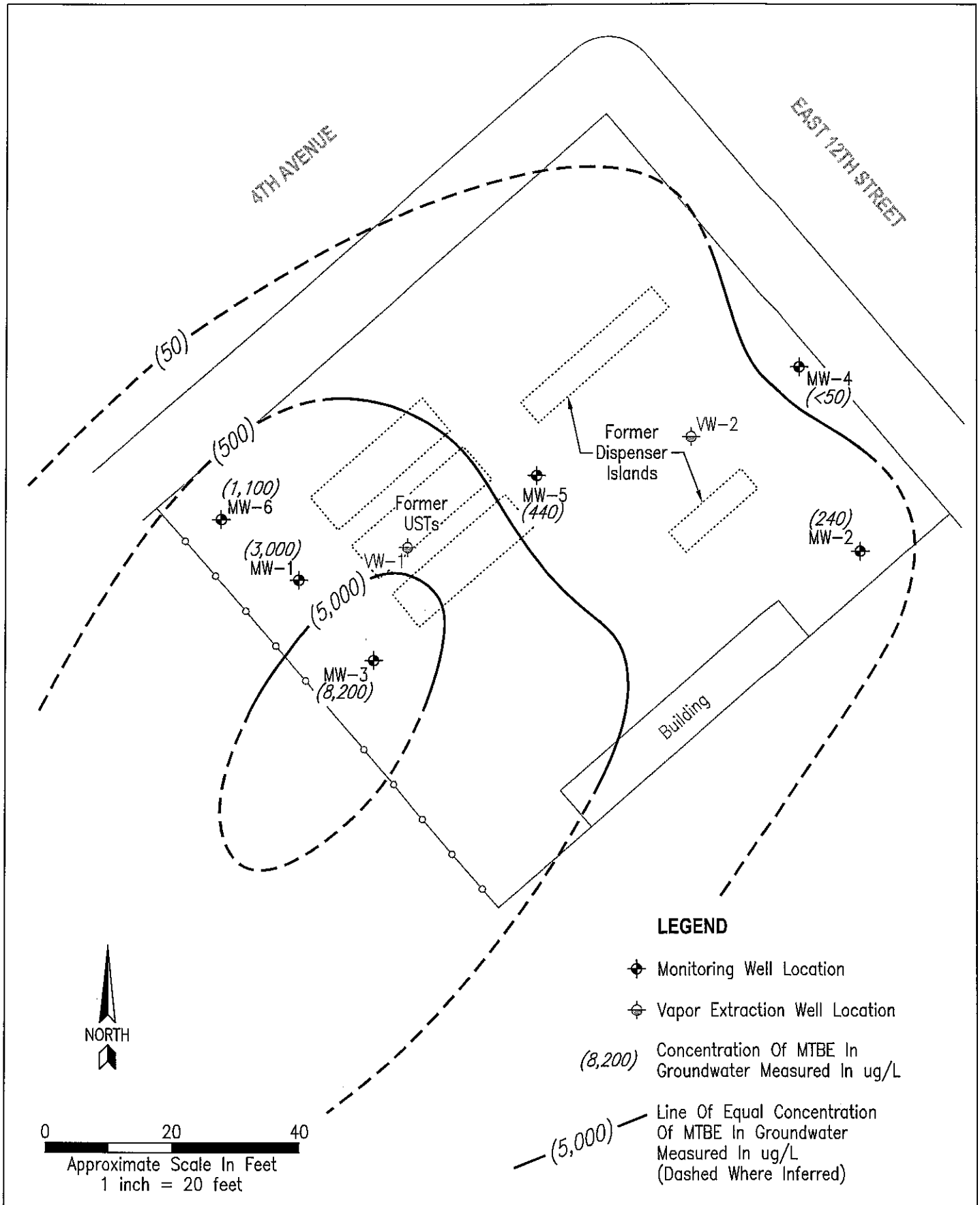


FIGURE 6	**MTBE IN GROUNDWATER ISOCONCENTRATION MAP JUNE 23, 2011**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

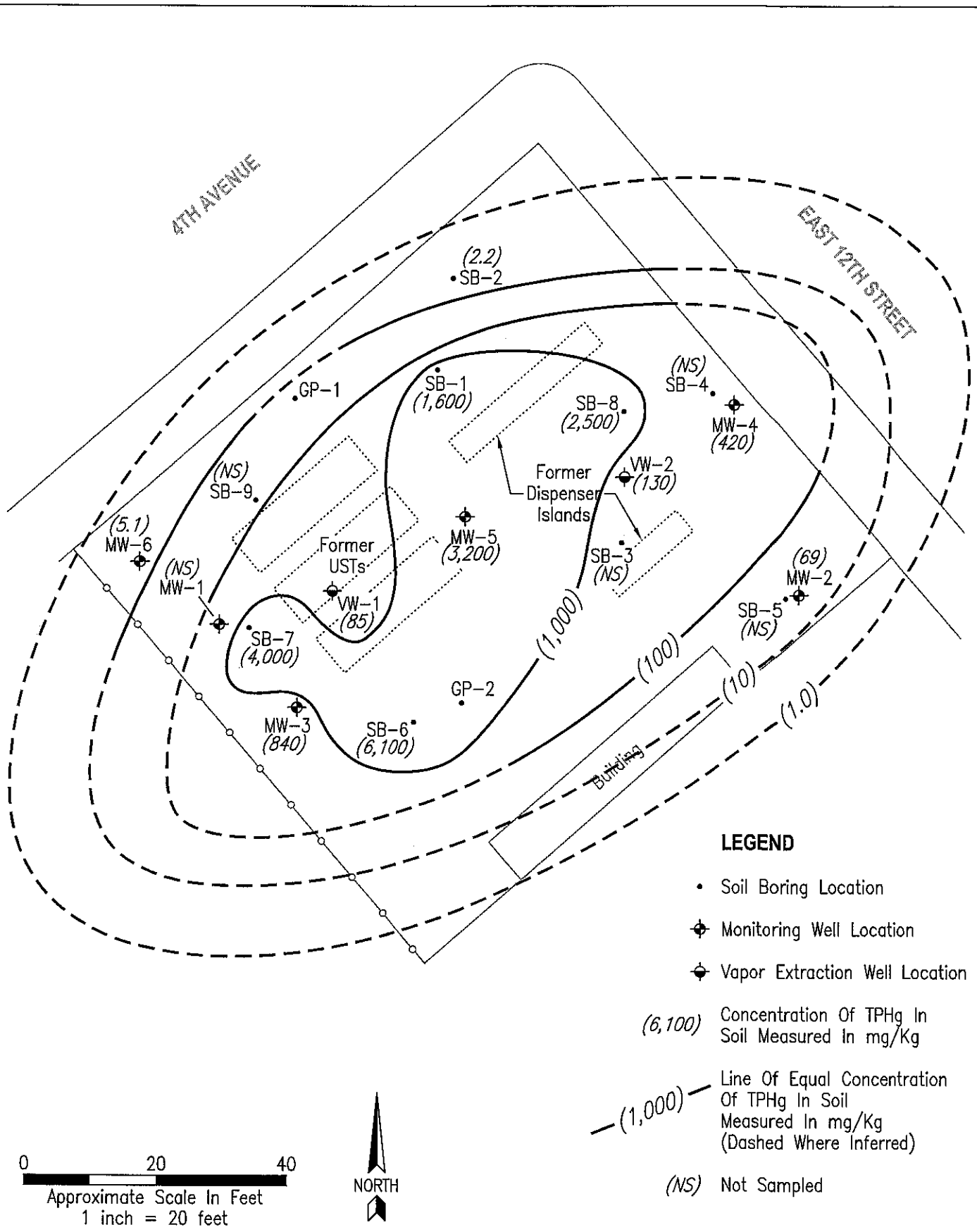


FIGURE 7	**TPHg IN SOIL AT 10 FEET bgs ISOCONCENTRATION MAP**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

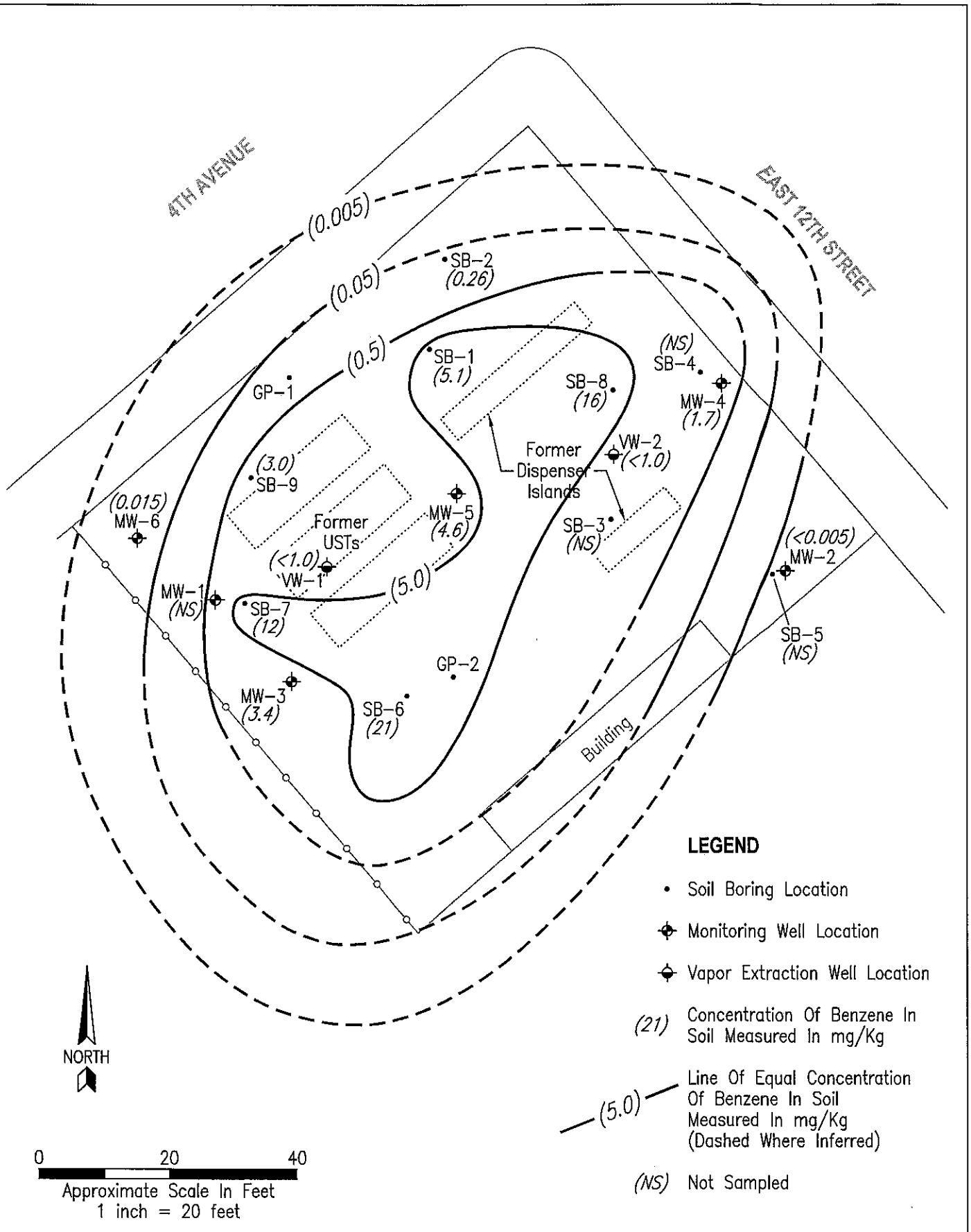


FIGURE 8	**BENZENE IN SOIL AT 10 FEET bgs ISOCONCENTRATION MAP**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

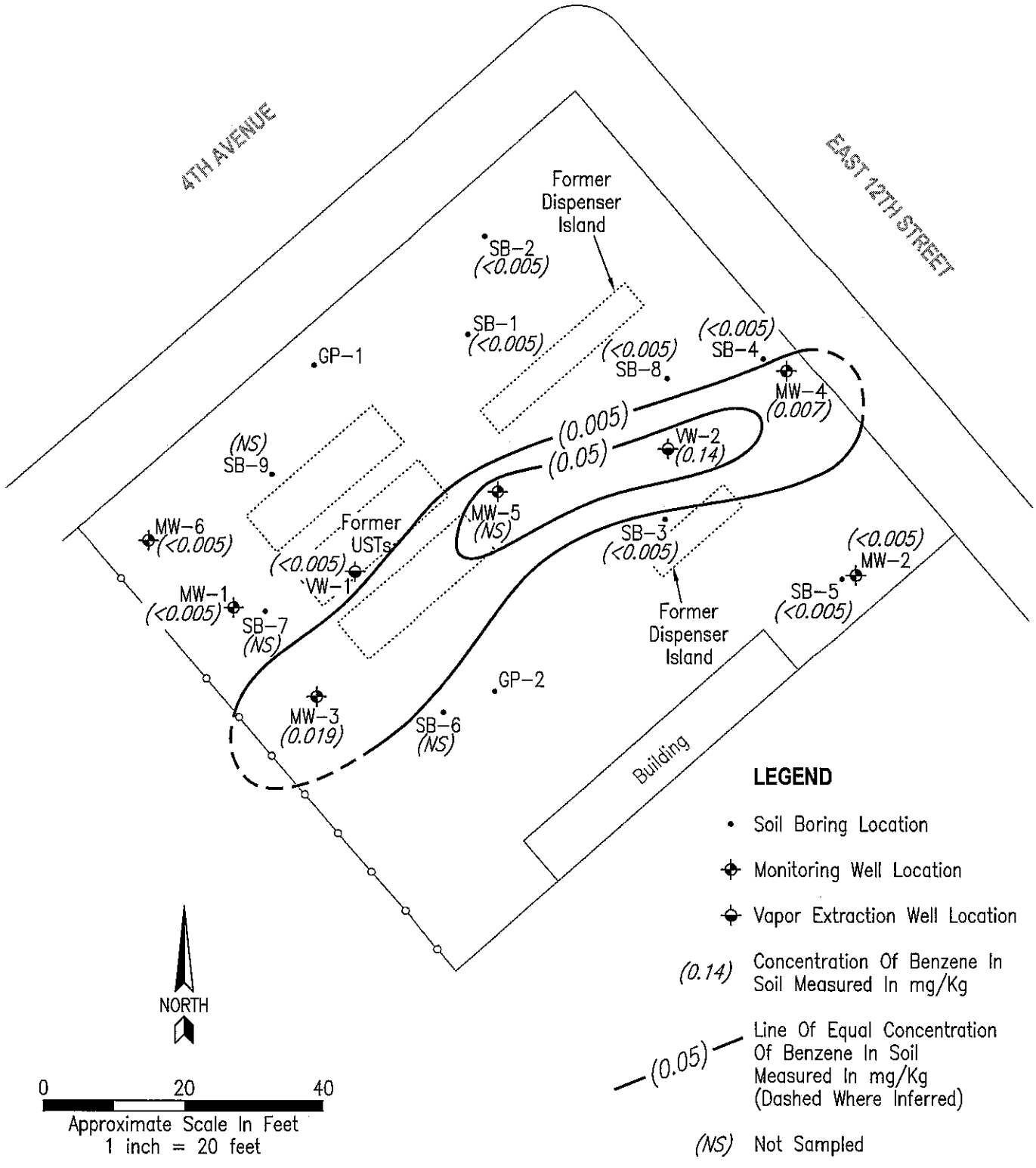


FIGURE 9	**BENZENE IN SOIL AT 20-25 FEET bgs ISOCONCENTRATION MAP**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

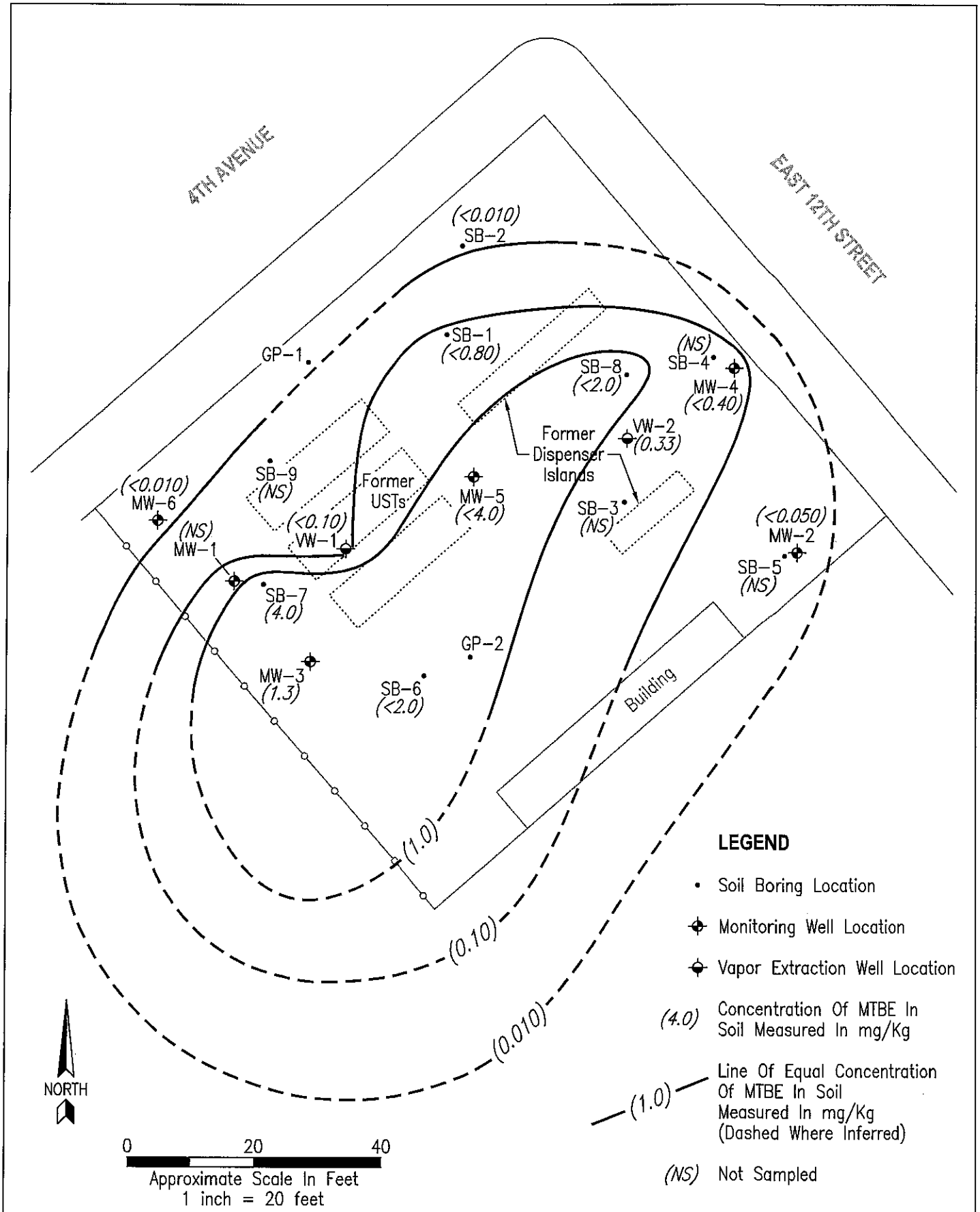


FIGURE 10	**MTBE IN SOIL AT 10 FEET bgs ISOCONCENTRATION MAP**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

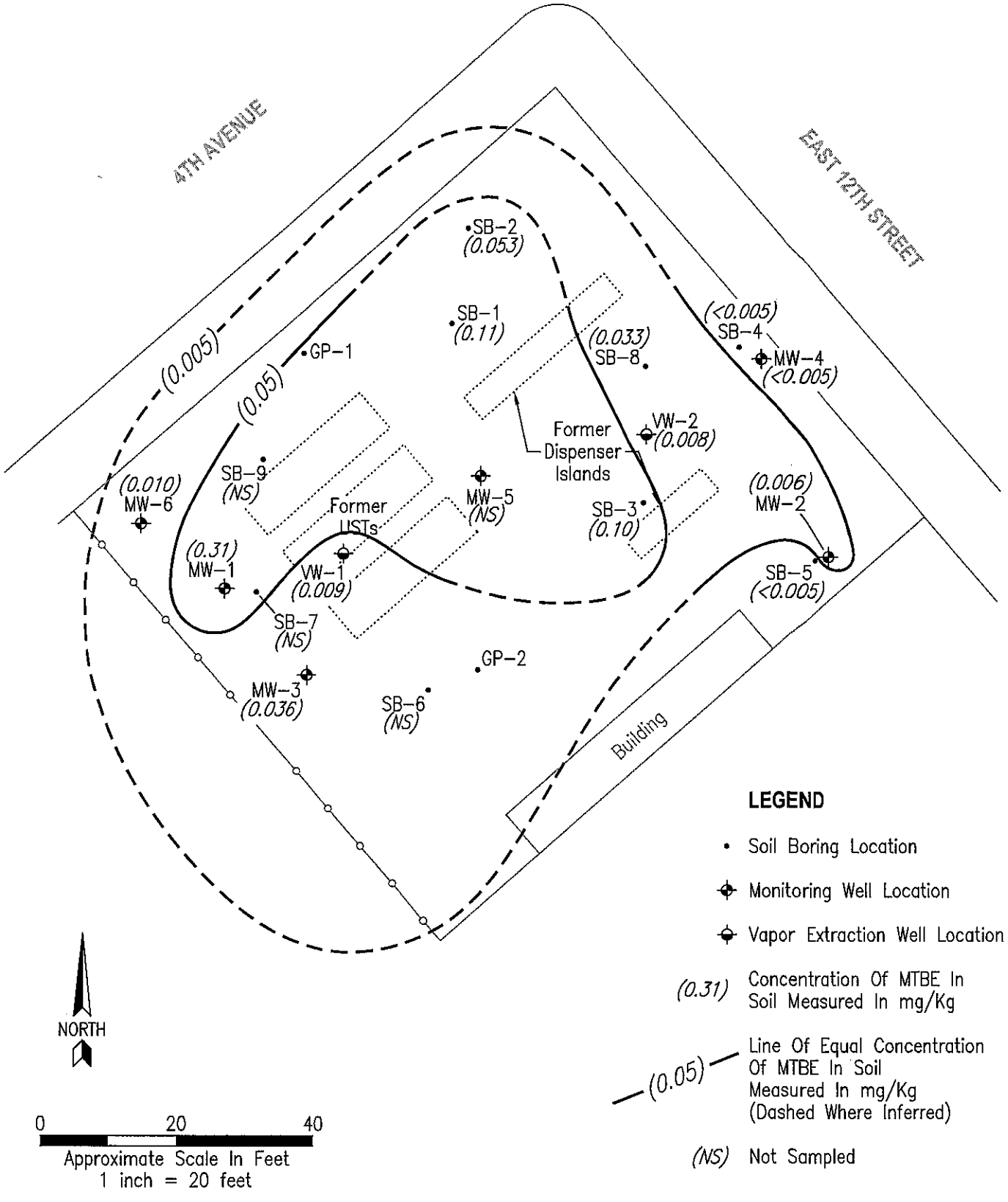


FIGURE 11	**MTBE IN SOIL AT 20-25 FEET bgs ISOCONCENTRATION MAP**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

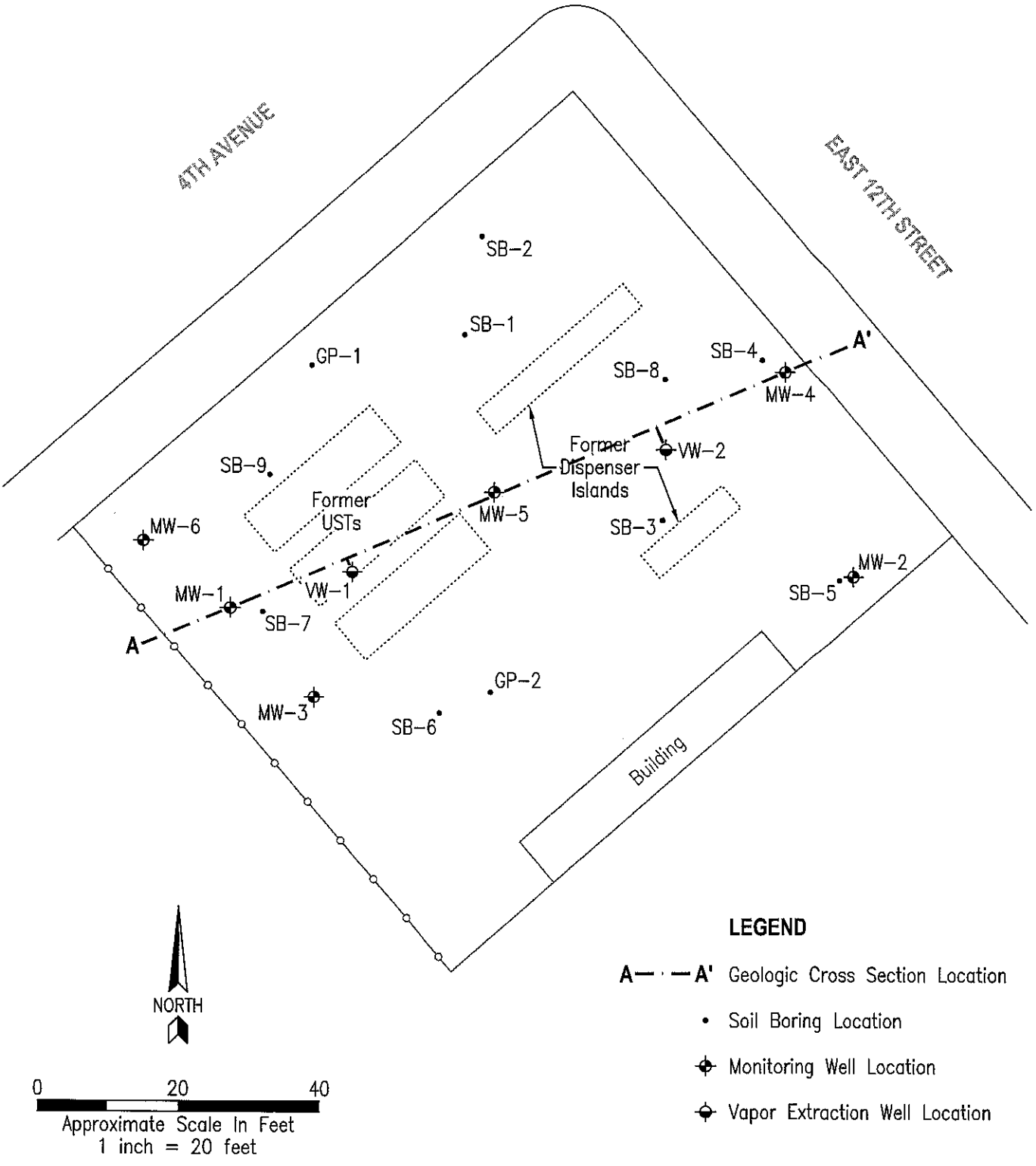
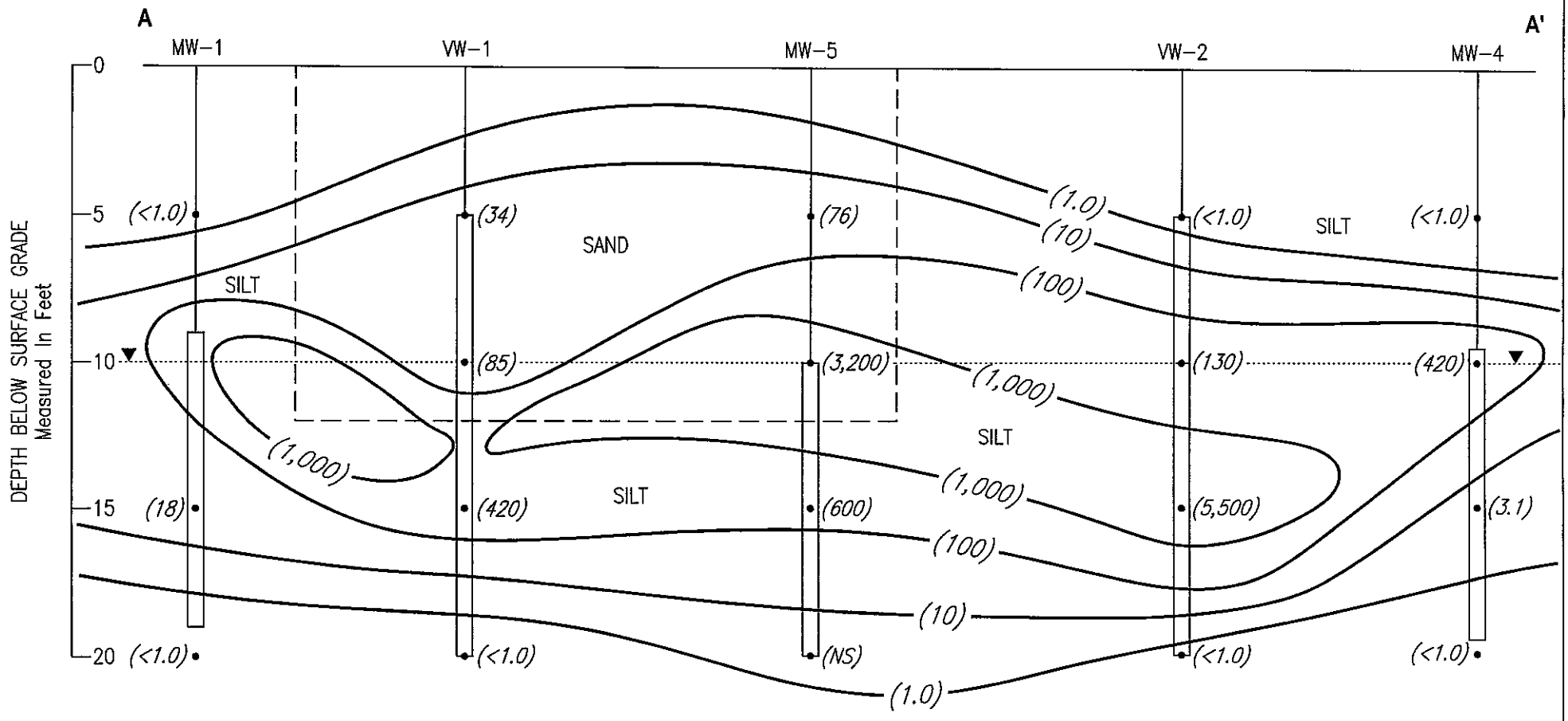


FIGURE 12	**CROSS SECTION LOCATION MAP**	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		



LEGEND

- Soil Sample Location
- Screened Interval
- Approximate Lithologic Contact
- (NS) Not Sampled
- (5,500) Concentration Of TPHg In Soil Measured In mg/Kg
- (1,000) Line Of Equal Concentration Of TPHg In Soil Measured In mg/Kg (Dashed Where Inferred)
- Groundwater Level

5
0
0 10
Approximate Scale In Feet
(Vertical Exaggeration = 2X)

FIGURE 13	TPHg IN SOIL ISOCONCENTRATION MAP CROSS SECTION A-A'	Environmental Compliance Group, LLC
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		

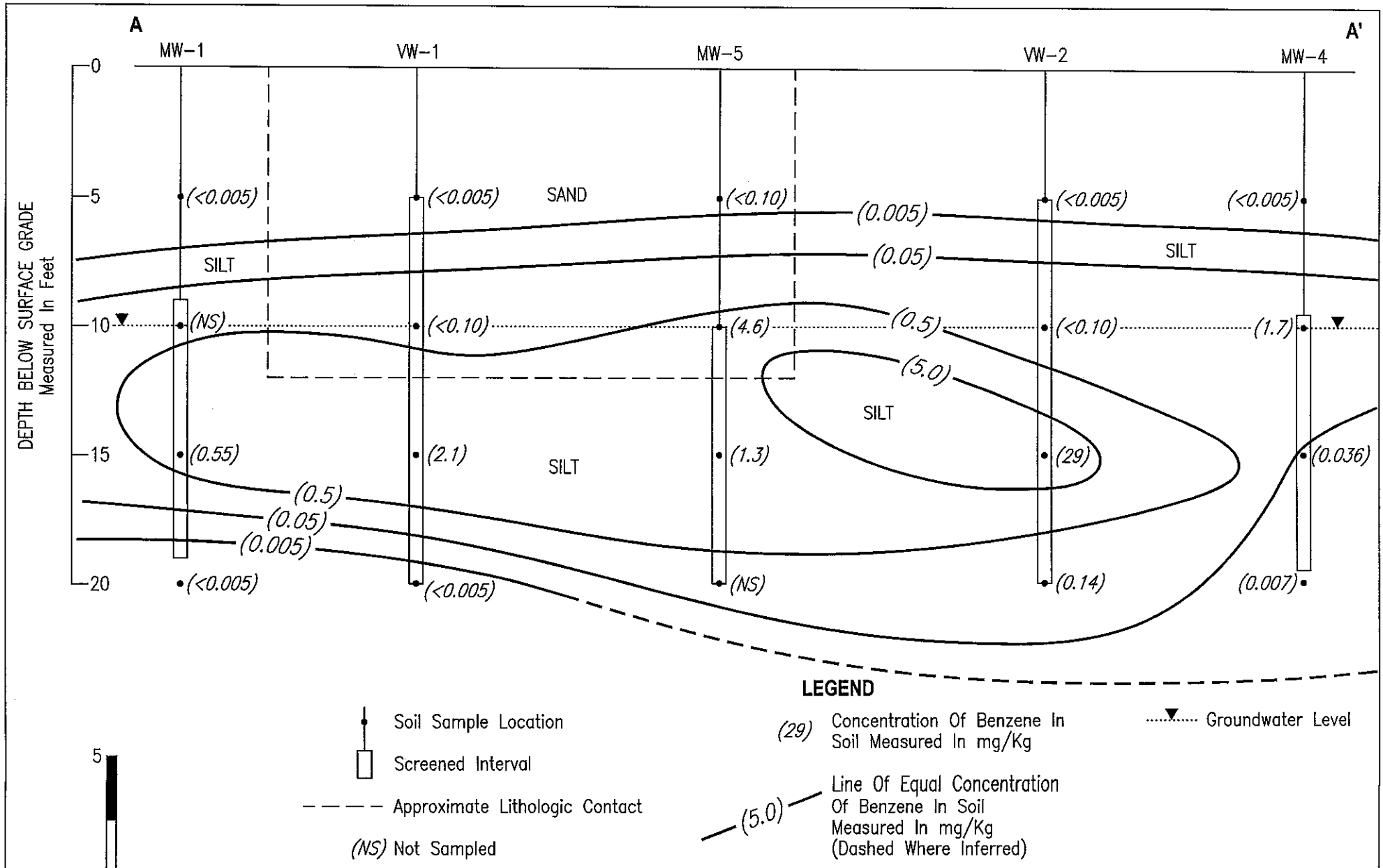
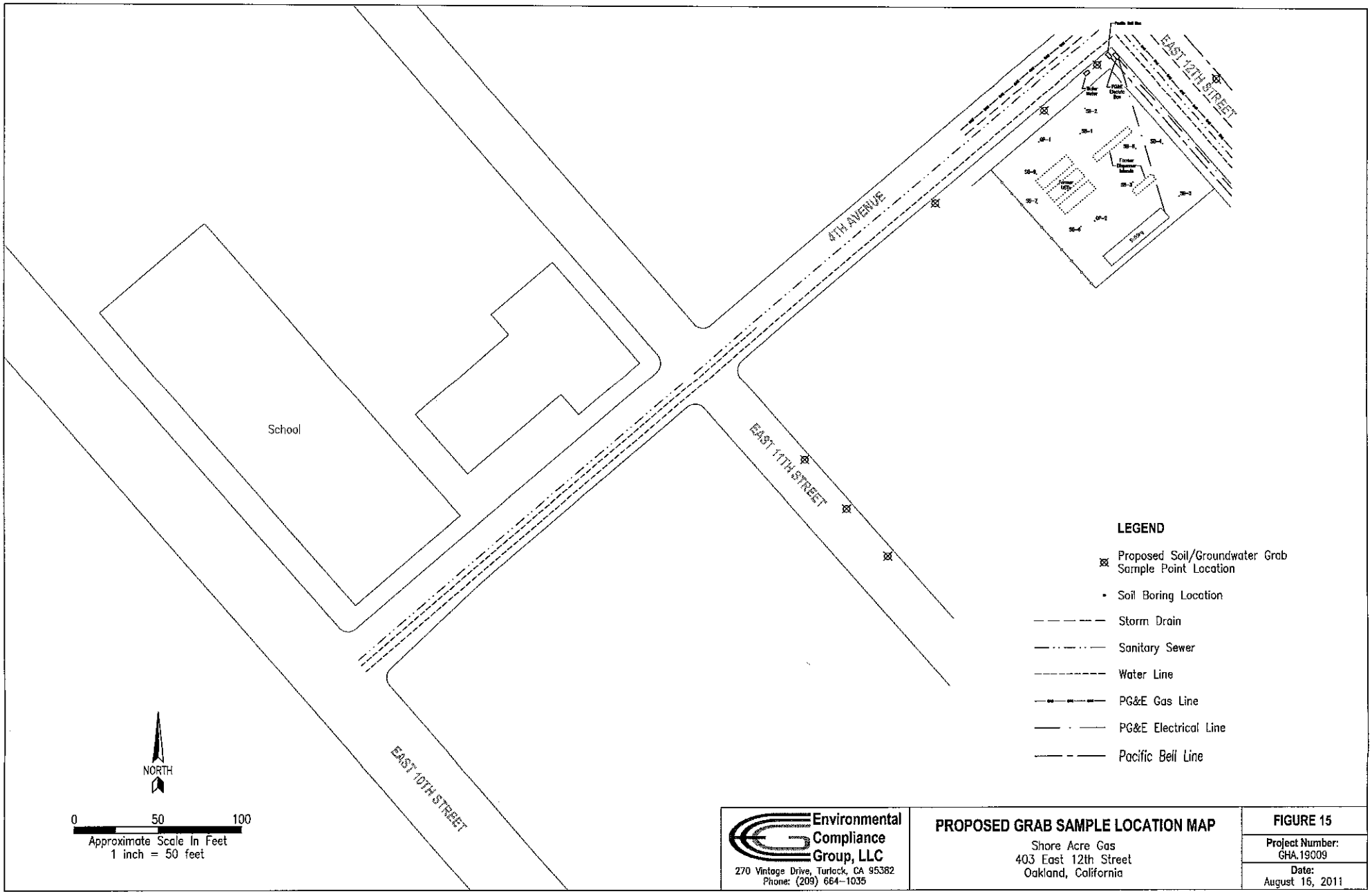


FIGURE 14	**BENZENE IN SOIL ISOCONCENTRATION MAP CROSS SECTION A-A'**	**Environmental Compliance Group, LLC**
Project Number: GHA.19009	Shore Acre Gas 403 East 12th Street Oakland, California	270 Vintage Drive, Turlock, CA 95382 Phone: (209) 664-1035
Date: August 16, 2011		



Environmental Compliance Group, LLC
270 Vintage Drive, Turlock, CA 95382
Phone: (209) 664-1035

PROPOSED GRAB SAMPLE LOCATION MAP

Shore Acre Gas
403 East 12th Street
Oakland, California

FIGURE 15

Project Number: GHA.19009

Date: August 16, 2011

Table 1
Well Construction Details
Shore Acres Gas
403 East 12th Street
Oakland, California

Well ID	Date Installed	TOC Elevation (ft amsl)	Well Depth (ft bgs)	Casing Diameter (inches)	Casing Material	Screen/ Filter	Screen Interval (ft bgs)
Monitoring Wells							
MW-1	June 2011	30.81	20	2	PVC	0.020/#3	10-20
MW-2		31.29	20	2	PVC	0.020/#3	10-20
MW-3		31.30	18	2	PVC	0.020/#3	8-18
MW-4		31.21	19	2	PVC	0.020/#3	9-19
MW-5		31.35	20	2	PVC	0.020/#3	10-20
MW-6		30.79	20	2	PVC	0.020/#3	10-20
Dual Phase Extraction Wells							
EW-1s	June 2011	31.26	20	4	PVC	0.020/#3	5-20
EW-1d		31.40	20	4	PVC	0.020/#3	5-20

Notes:

TOC - denotes top of casing
ft - denotes feet
amsl - denotes above mean sea level
bgs - denotes below ground surface
PVC - denotes polyvinyl chloride

Table 2a
Historical Soil Analytical Data
TPH and BTEX
Shore Acres Gas
403 East 12th Street
Oakland, California

Boring ID	Sample Depth (feet)	Collection Date	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total xylenes (mg/kg)
UST Removal Samples								
SS-D1	2	August 2009	**1,800***	**3,000**	<0.25	**0.34**	**39**	**180**
SS-D2	2		**900***	**2,400**	<0.25	<0.25	**36**	**120**
SS-D3	2		**460***	**1,000**	<0.15	<0.15	**12**	**14**
SS-D4	2		**540***	**640**	<0.090	**1.0**	**6.1**	**51**
SS-D5	2		**320**	**140**	<0.025	<0.025	**1.3**	**3.2**
SS-D6	2.0		**320***	**260**	<0.025	**0.054**	**1.0**	**8.0**
SS-J1	2.0		**39***	**160**	<0.025	<0.025	**0.71**	**0.94**
SS-Isle	4.0		**560***	**100**	<0.025	<0.025	**0.30**	**0.084**
SS-7	18.0		**310***	**1,600**	**6.9**	**76**	**39**	**200**
Tank 1-SS-1	14.0		**830***	**2,500**	**4.2**	**100**	**69**	**360**
Tank 1-SS-2	14.0		**62***	**480**	**1.8**	**5.3**	**14**	**62**
Tank 2-SS-1	14.0		**120***	**290**	**0.37**	**2.4**	**6.3**	**31**
Tank 2-SS-2	14.0		**330***	**80**	**0.074**	**0.051**	**1.2**	**5.8**
Tank 3-SS-1	14.0		**480***	**2,100**	**2.4**	**41**	**62**	**320**
Tank 3-SS-2	14.0		**75***	**130**	**0.23**	**0.26**	**3.1**	**15**
Soil Borings								
GP-1-15.5	15.5	July 2006	**13.0**	**18.0**	**0.63**	**0.052**	**0.69**	**0.13**
GP-1-18.0	18.0		<1.0	<1.0	**0.0056**	**0.0082**	<0.005	**0.019**
GP-2-12.0	12.0		**600**	**3,600**	**17**	**180**	**98**	**440**
GP-2-20.0	20.0		**79**	**1,100**	**3.2**	**41**	**25**	**130**
SB-1-9.5	9.5	April 2010	---	**1,600**	**5.1**	**43**	**30**	**180**
SB-1-24.5	24.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-1-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-2-9.5	9.5		---	**2.2**	**0.26**	**<0.010**	**0.066**	<0.020
SB-2-24.5	24.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-2-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-3-14.5	14.5		---	**17**	**17**	**100**	**42**	**240**
SB-3-24.5	24.5		---	<1.0	<0.005	**0.005**	<0.005	**0.013**
SB-3-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-4-14.5	14.5		---	**1,700**	**13**	**79**	**28**	**170**
SB-4-19.5	19.5		---	<1.0	<0.005	0.009	<0.005	**0.026**
SB-4-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-5-14.5	14.5		---	**470**	<0.20	**0.45**	**6.2**	**37**
SB-5-24.5	24.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-5-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-6-9.5	9.5		---	**6,100**	**21**	**170**	**95**	**580**
SB-6-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-6-32	32.0		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-7-9.5	9.5		---	**4,000**	**12**	**46**	**55**	**360**
SB-7-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-7-32	32.0		---	<1.0	<0.005	<0.005	<0.005	<0.010

Table 2a
Historical Soil Analytical Data
TPH and BTEX
Shore Acres Gas
403 East 12th Street
Oakland, California

Boring ID	Sample Depth (feet)	Collection Date	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total xylenes (mg/kg)
SB-8-9.5	9.5	April 2010	---	**2,500**	**16**	**110**	**63**	**370**
SB-8-24.5	24.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-8-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-9-14.5	14.5		---	**390**	**3.0**	**3.0**	**9.1**	**41**
SB-9-29.5	29.5		---	<1.0	<0.005	<0.005	<0.005	<0.010
SB-9-32	32.0		---	<1.0	<0.005	<0.005	<0.005	<0.010
Groundwater Wells								
MW-1-5	5	June 2011	<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-1-15	15		<5.0	**18**	**0.55**	<0.050	**0.87**	**1.2**
MW-1-20	20		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-2-5	5		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-2-10	10		<5.0	**69**	<0.005	<0.005	<0.005	<0.010
MW-2-15	15		<5.0	**50**	<0.050	**0.48**	**3.1**	**19**
MW-2-20	20		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-3-5	5		<5.0	<1.0	<0.010	<0.010	<0.010	<0.020
MW-3-10	10		<15	**840**	**3.4**	**33**	**20**	**140**
MW-3-15	15		<5.0	**380**	**3.0**	**4.5**	**7.3**	**41**
MW-3-20	20		<5.0	<1.0	**0.019**	<0.005	**0.006**	<0.010
MW-4-5	5		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-4-10	10		<15	**420**	**1.7**	**2.6**	**9.2**	**51**
MW-4-15	15		<5.0	**3.1**	**0.036**	**0.20**	**0.15**	**0.95**
MW-4-20	20		<5.0	<1.0	**0.007**	**0.017**	**0.010**	**0.039**
MW-5-5	5		<5.0	**76**	<0.10	<0.10	**1.3**	**0.76**
MW-5-10	10		<15	**3,200**	**4.6**	**6.5**	**72**	**410**
MW-5-15	15		<5.0	**600**	**1.3**	**13**	**15**	**110**
MW-6-5	5		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-6-10	10		<5.0	**5.1**	**0.015**	<0.010	**3.4**	**1.0**
MW-6-15	15		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
MW-6-20	20		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
VW-1-5	5		<5.0	**34**	<0.005	<0.005	**0.16**	**0.31**
VW-1-10	10		<15	**85**	<0.10	<0.10	**2.2**	**0.89**
VW-1-15	15		<15	**420**	**2.1**	**4.1**	**9.4**	**55**
VW-1-20	20		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
VW-2-5	5		<5.0	<1.0	<0.005	<0.005	<0.005	<0.010
VW-2-10	10		<5.0	**130**	<0.10	<0.10	**2.9**	**15**
VW-2-15	15		<15	**5,500**	**29**	**430**	**120**	**910**
VW-2-20	20		<5.0	<1.0	**0.14**	**0.054**	**0.025**	**0.14**

Notes:

TPHd - denotes total petroleum hydrocarbons as diesel
TPHg - denotes total petroleum hydrocarbons as gasoline
mg/kg - denotes milligrams per kilogram
< - denotes less than the detection limit
--- denotes no data

Table 2b
Historical Soil Analytical Data
Oxygenates and Lead Scavengers
Shore Acres Gas
403 East 12th Street
Oakland, California

Boring ID	Sample Depth (feet)	Collection Date	DIPE (mg/kg)	ETBE (mg/kg)	MTBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)
UST Removal Samples									
SS-D1	2	August 2009	<0.25	<0.25	<0.25	<0.25	<1.5	---	---
SS-D2	2		<0.25	<0.25	<0.25	<0.25	<1.5	---	---
SS-D3	2		<0.15	<0.15	<0.15	<0.15	<0.70	---	---
SS-D4	2		<0.090	<0.090	<0.090	<0.090	<0.50	---	---
SS-D5	2		<0.025	<0.025	<0.025	<0.025	<0.15	---	---
SS-D6	2		<0.025	<0.025	<0.025	<0.025	<0.15	---	---
SS-J1	2		<0.025	<0.025	<0.025	<0.025	<0.15	---	---
SS-Isle	4		<0.025	<0.025	<0.025	<0.025	<0.15	---	---
SS-7	18		<0.25	<0.25	<0.25	<0.25	<1.5	<0.25	<0.25
Tank 1-SS-1	14		<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50
Tank 1-SS-2	14		<0.040	<0.040	**0.37**	<0.040	**0.51**	<0.040	<0.040
Tank 2-SS-1	14		<0.050	<0.050	**0.18**	<0.050	**0.35**	<0.050	<0.050
Tank 2-SS-2	14		<0.025	<0.025	**0.090**	<0.025	**0.16**	<0.025	<0.025
Tank 3-SS-1	14		<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50
Tank 3-SS-2	14		<0.025	<0.025	**0.19**	<0.025	**0.15**	<0.025	<0.025
Soil Borings									
GP-1-15.5	15.5	July 2006	<0.005	<0.005	**0.029**	<0.005	**0.27**	---	---
GP-1-18.0	18.0		<0.005	<0.005	**0.54**	<0.005	**0.33**	---	---
GP-2-12.0	12.0		<0.50	<0.50	<0.50	<0.50	<2.5	---	---
GP-2-20.0	20.0		<0.025	<0.025	**0.041**	<0.025	<0.15	---	---
SB-1-9.5	9.5	April 2010	<0.80	<0.80	<0.80	<0.80	<8.0	<0.80	<0.80
SB-1-24.5	24.5		<0.005	<0.005	**0.11**	<0.005	<0.050	<0.005	<0.005
SB-1-29.5	29.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-2-9.5	9.5		<0.010	<0.010	<0.010	<0.010	<0.10	<0.010	<0.010
SB-2-24.5	24.5		<0.005	<0.005	**0.053**	<0.005	<0.050	<0.005	<0.005
SB-2-29.5	29.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-3-14.5	14.5		<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0
SB-3-24.5	24.5		<0.005	<0.005	**0.10**	<0.005	<0.050	<0.005	<0.005
SB-3-29.5	29.5		<0.005	<0.005	**0.010**	<0.005	<0.050	<0.005	<0.005
SB-4-14.5	14.5		<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0
SB-4-19.5	19.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-4-29.5	29.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-5-14.5	14.5		<0.20	<0.20	<0.20	<0.20	<2.0	<0.20	<0.20
SB-5-24.5	24.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-5-29.5	29.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-6-9.5	9.5		<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0
SB-6-29.5	29.5		<0.005	<0.005	**0.20**	<0.005	<0.050	<0.005	<0.005
SB-6-32	32.0		<0.005	<0.005	**0.18**	<0.005	<0.050	<0.005	<0.005
SB-7-9.5	9.5		<1.0	<1.0	**4.0**	<1.0	<10	<1.0	<1.0
SB-7-29.5	29.5		<0.005	<0.005	**0.18**	<0.005	<0.050	<0.005	<0.005
SB-7-32	32.0		<0.005	<0.005	**0.11**	<0.005	<0.050	<0.005	<0.005

Table 2b
Historical Soil Analytical Data
Oxygenates and Lead Scavengers
Shore Acres Gas
403 East 12th Street
Oakland, California

Boring ID	Sample Depth (feet)	Collection Date	DIPE (mg/kg)	ETBE (mg/kg)	MTBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)
SB-8-9.5	9.5	April 2010	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0
SB-8-24.5	24.5		<0.005	<0.005	**0.033**	<0.005	<0.050	<0.005	<0.005
SB-8-29.5	29.5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
SB-9-14.5	14.5		<0.20	<0.20	**5.5**	<0.20	<2.0	<0.20	<0.20
SB-9-29.5	29.5		<0.005	<0.005	**0.090**	<0.005	**0.15**	<0.005	<0.005
SB-9-32	32.0		<0.005	<0.005	**0.11**	<0.005	<0.050	<0.005	<0.005
Groundwater Wells									
MW-1-5	5	June 2011	<0.005	<0.005	**0.35**	<0.005	**0.093**	<0.005	<0.005
MW-1-15	15		<0.050	<0.050	**1.1**	<0.050	<0.50	<0.050	<0.050
MW-1-20	20		<0.005	<0.005	**0.31**	<0.005	**0.58**	<0.005	<0.005
MW-2-5	5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-2-10	10		<0.050	<0.050	<0.050	<0.050	<0.50	<0.050	<0.050
MW-2-15	15		<0.050	<0.050	<0.050	<0.050	<0.50	<0.050	<0.050
MW-2-20	20		<0.005	<0.005	**0.006**	<0.005	<0.050	<0.005	<0.005
MW-3-5	5		<0.010	<0.010	**1.5**	<0.010	**0.37**	<0.010	<0.010
MW-3-10	10		<0.80	<0.80	**1.3**	<0.80	<8.0	<0.80	<0.80
MW-3-15	15		<0.20	<0.20	**3.0**	<0.20	<2.0	<0.20	<0.20
MW-3-20	20		<0.005	<0.005	**0.036**	<0.005	**0.16**	<0.005	<0.005
MW-4-5	5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-4-10	10		<0.40	<0.40	<0.40	<0.40	<4.0	<0.40	<0.40
MW-4-15	15		<0.010	<0.010	<0.010	<0.010	<0.10	<0.010	<0.010
MW-4-20	20		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-5-5	5		<0.10	<0.10	<0.10	<0.10	<1.0	<0.10	<0.10
MW-5-10	10		<4.0	<4.0	<4.0	<4.0	<40	<4.0	<4.0
MW-5-15	15		<0.40	<0.40	<0.40	<0.40	<4.0	<0.40	<0.40
MW-6-5	5		<0.005	<0.005	<0.005	<0.005	<0.050	<0.005	<0.005
MW-6-10	10		<0.010	<0.010	<0.010	<0.010	<0.10	<0.010	<0.010
MW-6-15	15		<0.005	<0.005	**0.026**	<0.005	**0.088**	<0.005	<0.005
MW-6-20	20		<0.005	<0.005	**0.010**	<0.005	**0.37**	<0.005	<0.005
VW-1-5	5		<0.050	<0.050	<0.050	<0.050	<0.50	<0.050	<0.050
VW-1-10	10		<0.10	<0.10	<0.10	<0.10	<1.0	<0.10	<0.10
VW-1-15	15		<0.40	<0.40	**0.59**	<0.40	<4.0	<0.40	<0.40
VW-1-20	20		<0.005	<0.005	**0.009**	<0.005	**0.16**	<0.005	<0.005
VW-2-5	5		<0.005	<0.005	**0.25**	<0.005	**0.14**	<0.005	<0.005
VW-2-10	10		<0.10	<0.10	**0.33**	<0.10	<1.0	<0.10	<0.10
VW-2-15	15		<4.0	<4.0	<4.0	<4.0	<40	<4.0	<4.0
VW-2-20	20		<0.005	<0.005	**0.008**	<0.005	**0.26**	<0.005	<0.005

Notes:

mg/kg - denotes milligrams per kilogram
< - denotes less than the detection limi
--- - denotes not analyzed/applicable
DCA - denotes dichloroethane
EDB - denotes ethylene dibromide
MTBE - denotes methyl tertiary butyl ether
DIPE - denotes di-isopropyl ether
ETBE - denotes ethyl tertiary butyl ether
TAME - denotes tertiary amyl ether
TBA - denotes tertiary butyl alcohol

Table 3a
Grab Groundwater Sample Results
TPH and BTEX
Shore Acres Gas
403 East 12th Street
Oakland, California

Sample ID	Collection Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
Excavation							
Pit Sample 1	August 2009	**21,000**	**21,000**	**3,800**	**1,000**	**1,200**	**3,700**
Direct Push Grab Groundwater Samples							
SB-1	April 2010	---	**60**	**2.9**	**6.7**	**2.1**	**9.7**
SB-2		---	<50	<0.5	<0.5	<0.5	<1.0
SB-3		---	**170**	**1.5**	**11**	**4.8**	**27**
SB-4		---	**6,500**	**78**	**440**	**190**	**960**
SB-5		---	<50	<0.5	<0.5	<0.5	<1.0
SB-6		---	**440**	<20	<20	<20	<40
SB-7		---	**270**	<12	<12	<12	<25
SB-8		---	<50	**0.6**	**1.3**	**0.6**	**3.3**
SB-9		---	<50	<10	<10	<10	<20

Notes:

TPHd - denotes total petroleum hydrocarbons as diesel

TPHg - denotes total petroleum hydrocarbons as gasoline

ug/L - denotes micrograms per liter

< - denotes less than the detection limit

--- - denotes not analyzed/applicable

Table 3b
Grab Groundwater Sample Results
Oxygenates and Lead Scavengers
Shore Acres Gas
403 East 12th Street
Oakland, California

Sample ID	Collection Date	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
Excavation								
Water	February 2000	<10	<10	**15,000**	**39**	**17,000**	<10	<10
Direct Push Grab Groundwater Samples								
SB-1	April 2010	<0.5	<0.5	**14**	<0.5	<5.0	<0.5	<0.5
SB-2		<0.5	<0.5	**45**	<0.5	<5.0	<0.5	<0.5
SB-3		<0.5	<0.5	**110**	<0.5	**32**	<0.5	<0.5
SB-4		<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0
SB-5		<0.5	<0.5	**0.6**	<0.5	<5.0	<0.5	<0.5
SB-6		<20	<20	**4,000**	<20	<200	<20	<20
SB-7		<12	<12	**2,500**	<12	<120	<12	<12
SB-8		<0.5	<0.5	**26**	<0.5	**98**	<0.5	<0.5
SB-9		<10	<10	**1,800**	<10	**5,300**	<10	<10

Notes:

ug/L - denotes micrograms per liter
< - denotes less than the detection limit
DCA - denotes dichloroethane
EDB - denotes ethylene dibromide
MTBE - denotes methyl tertiary butyl ether
DIPE - denotes di-isopropyl ether
ETBE - denotes ethyl tertiary butyl ether
TAME - denotes tertiary amyl ether
TBA - denotes tertiary butyl alcohol

Table 4a
Monitoring Well Data
Water Level, TPH, and BTEX
Shore Acres Gas
403 East 12th Street
Oakland, California

Well ID TOC	Date Measured	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft amsl)	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
Monitoring Wells									
MW-1	6/23/2011	10.46	20.35	<250	23,000	4,500	820	1,700	3,800
MW-2	6/23/2011	10.70	20.59	<250	13,000	1,000	160	370	1,600
MW-3	6/23/2011	10.79	20.51	<250	55,000	15,000	3,600	2,000	4,300
MW-4	6/23/2011	10.62	20.59	<250	47,000	3,500	7,100	2,300	11,000
MW-5	6/23/2011	10.12	21.23	<250	130,000	7,100	25,000	13,000	94,000
MW-6	6/23/2011	10.43	20.36	<250	11,000	2,400	120	480	840
DPE Wells									
VW-1	6/28/2011	---	---	---	20,000	2,000	490	1,000	2,400
VW-2	6/28/2011	---	---	---	33,000	3,100	2,000	790	3,500

Notes:
TOC - denotes top of casing elevation
TPHg - denotes total petroleum hydrocarbons as gasoline
TPHd - denotes total petroleum hydrocarbons as diesel
ft bgs - denotes feet below top of casing
ft amsl - denotes feet above mean sea level
ug/L - denotes micrograms per liter
< - denotes less than the detection limit
--- - denotes not available/applicable
FLH - denotes floating liquid hydrocarbons
* - denotes less than six inches of water and considered dry

Table 4b
Monitoring Well Data
Oxygenates and Lead Scavengers
Shore Acres Gas
403 East 12th Street
Oakland, California

Well ID TOC	Date Measured	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
Monitoring Wells								
MW-1	6/23/2011	<25	<25	**3,000**	<25	**3,900**	<25	<25
MW-2	6/23/2011	<10	<10	**240**	<10	**640**	<10	<10
MW-3	6/23/2011	<100	<100	**8,200**	<100	**6,400**	<100	<100
MW-4	6/23/2011	<50	<50	<50	<50	<500	<50	<50
MW-5	6/23/2011	<120	<120	**440**	<120	<1,200	<120	<120
MW-6	6/23/2011	<25	<25	**1,100**	<25	**4,000**	<25	<25
DPE Wells								
VW-1	6/28/2011	<25	<25	**1,500**	<25	**5,300**	<25	<25
VW-2	6/28/2011	<25	<25	**670**	<25	**4,100**	<25	<25

Notes:

ug/L - denotes micrograms per liter
< - denotes less than the detection limit
DCA - denotes dichloroethane
EDB - denotes ethylene dibromide
MTBE - denotes methyl tertiary butyl ether
DIPE - denotes di-isopropyl ether
ETBE - denotes ethyl tertiary butyl ether
TAME - denotes tertiary amyl ether
TBA - denotes tertiary butyl alcohol
--- - denotes no data available

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
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June 17, 2011

Rashid Ghafoor and Waseem Iqbal (Sent via e-mail to rashidz1@aol.com)
226 Havenwood Circle
Pittsburg, CA 94567

Subject: Work Plan Conditional Approval for Fuel Leak Case No. RO0002931 and GeoTracker Global ID T0600174667, Shore Acres Gas, 403 E 12th St., Oakland, CA 94606

Dear Messrs. Ghafoor and Iqbal:

Alameda County Environmental Health (ACEH) staff has reviewed the recently submitted document entitled, *Workplan Addendum to the Site Assessment and Soil Vapor Extraction Pilot Test Workplan* dated April 14, 2011, and *Second Workplan Addendum* dated June 6, 2011 which were prepared by Environmental Compliance Group (ECG), LLC for the subject site. The second work plan recommends installation of four monitoring wells, two soil vapor wells and an off-site transect consisting of four borings. The proposed scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Please perform the work and submit the reports requested below.

TECHNICAL COMMENTS

1. **Proposed Monitoring Well Network** – ACEH notes that fuel contamination is present at locations across the entire site and the proposed monitoring network should be installed to monitor all of these areas. Based on this, ACEH recommends two additional monitoring wells, one in the easternmost corner of the site, and a second approximately 20 feet southwest of proposed VW-2. Additionally, ACEH requests moving well MW-3 approximately 20 feet northwest of the proposed location for a total of six monitoring wells. After the wells are installed, surveyed and sampled, please present the interim results to ACEH by the due date requested below so the locations of the off-site soil borings discussed below can be determined.

2. **Off-Site Investigation** – In both the December 16, 2010 and March 22, 2011 ACEH directive letters, ACEH requested an off-site investigation that evaluates contamination that may be moving onto the school property downgradient of your site. As ECG points out, determining the groundwater flow direction by installing and surveying the new wells, would aid in off-site boring placement. ACEH agrees that this work would be better approached in this phased approach and consequently requests that you evaluate and plot the locations of the MTBE

detected on the school property on 4th Avenue on an expanded site map using an aerial photograph as a basemap, evaluate the groundwater flow direction after you install the on-site monitoring wells and propose off-site boring locations based on the results of your current investigation and the location of contamination at the school site. Please present this data and your recommended boring locations in the interim results report requested below.

3. **Cross Sections** – To help interested parties understand the subsurface in the site vicinity, please prepare cross-sections that show at a minimum: the lithology, soil analytical results, first encountered and static groundwater levels, the location of the former USTs, dispensers, areas excavated, known conduits, etc and submit the results in the SWI requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Barbara Jakub), according to the following schedule:

- **August 17, 2011** – Interim Results Report with Proposed Off-site Boring Locations
- **November 17, 2011** – SWI and Pilot Test Results Report

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,

Digitally signed by Barbara J. Jakub
DN: cn=Barbara J. Jakub, o, ou, email=barbara.jakub@acgov.org, c=US
Date: 2011.06.17 15:22:51 -07'00'

Barbara J. Jakub, P.G.
Hazardous Materials Specialist

Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Michael S. Sgourakis, Environmental Compliance Group, LLC, 270 Vintage Drive, Turlock, CA 95382 *(Sent via E-mail to: ecg.ust@gmail.com)*
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Barbara Jakub, ACEH (*Sent via E-mail to: barbara.jakub@acgov.org*)
GeoTracker, e-file

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

ENVIRONMENTAL COMPLIANCE GROUP, LLC
STANDARD OPERATING AND SAFETY AND LOSS CONTROL PROCEDURES

1.0 SOIL BORING/DRILLING SAMPLE COLLECTION AND CLASSIFICATION PROCEDURES

ECG will prepare a site-specific Health and Safety Plan as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR.1910.120). The document will be reviewed and signed by all ECG personnel and subcontractors prior to performing work at the site.

Prior to conducting and subsurface work at the site, Underground Services Alert (USA) will be contacted to delineate subsurface utilities near the site with surface markings. In addition, the first five feet of every location will be hand cleared to a diameter larger than the diameter of the auger or probe as a further precaution against damaging underground utilities. Sites that are currently operated as gas stations will be cleared with a private utility locator prior to drilling activities.

Soil samples to be submitted for chemical analyses are collected into brass or stainless steel tubes. The tubes are placed in an 18-inch long split-barrel sampler. The split-barrel sampler is driven its entire length hydraulically or by 140-pound drop hammer. The split-barrel sampler is removed from the borehole and the tubes are removed. When the tubes are removed from the split-barrel sampler, the tubes are trimmed and capped with Teflon sheets and plastic caps or the soil is removed from the tubes and placed in other appropriate sample containers. The samples are sealed, labeled, and placed in ice under chain-of-custody to be delivered to the analytical laboratory. All samples will be kept refrigerated until their delivery to the analytical laboratory.

One soil sample collected from each split-barrel sampler is field screened with a photoionization detector (PID), flame ionization detector (FID), or other equivalent field screening meter. The soil sample is sealed in a plastic bag or other appropriate container to allow volatilization of volatile organic compounds (VOCs). The field meter is used to measure the VOC concentration in the container's headspace and is recorded on the boring logs at the appropriate depth interval.

Other soil samples collected from each split-barrel sampler are inspected and documented to identify the soil stratigraphy beneath the site and classify the soil types according to the United Soil Classification System. The soil types are recorded on boring logs with the appropriate depth interval and any pertinent field observations. Drilling and sampling equipment are steam cleaned or washed in solution and rinsed in deionized water prior to use, between sample collections and boreholes and after use.

2.0 SOIL EXCAVATION SAMPLE COLLECTION AND CLASSIFICATION PROCEDURES

Soil samples to be submitted for chemical analyses are collected into brass or stainless steel tubes or other appropriate containers. The samples are sealed, labeled, and placed in ice under chain-of-custody (COC) to be delivered to the analytical laboratory. All samples will be kept refrigerated until their delivery to the analytical laboratory.

Select soil samples are placed into a sealed plastic bag or other appropriate container and field screened using a PID, FID, or equivalent meter. Other soil samples collected are inspected and documented to identify the soil stratigraphy beneath the site and classify the soil types according to the United Soil Classification System. The soil types are recorded field notes with the appropriate depth interval and any pertinent field observations. Sampling equipment are steam cleaned or washed in solution and rinsed in deionized water prior to use, between sample collections, and after use. Soil cuttings and rinseate water are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

3.0 SAMPLE IDENTIFICATION AND COC PROCEDURES

Sample containers are labeled with job number, job name, sample collection time and date, sample collection point, and analyses requested. Sampling method, sampler's name, and any pertinent field observations are recorded on boring logs or excavation field notes. COC forms track the possession of the sample from the time of its collection until the time of its delivery to the analytical laboratory. During sample transfers, the person with custody of the samples will relinquish them to the next person by signing the COC and documenting the time and date. The analytical laboratory Quality Control/Quality Assurance (QA/QC) staff will document the receipt of the samples and confirm the analyses requested on the COC matches the sample containers and preservative used, if any. The analytical laboratory will assign unique log numbers for identification during the analyses and reporting. The log numbers will be added to the COC form and maintained in a log book maintained by the analytical laboratory.

4.0 ANALYTICAL LABORATORY QA/QC PROCEDURES

The analytical laboratory analyzes spikes, replicates, blanks, spiked blanks, and certified reference materials to verify analytical methods and results. The analytical laboratory QA/QC also includes:

Routine instrument calibration,
Complying with state and federal laboratory accreditation and certification programs,
Participation in U.S. EPA performance evaluation studies,
Standard operating procedures, and
Multiple review of raw data and client reports

5.0 HOLLOW STEM AUGER WELL INSTALLATION

Boreholes for wells are often drilled with a truck-mounted hollow stem auger drill rig. The borehole diameter is at least 4 inches wider than the outside diameter of the well casing. Soil samples are collected and screened as described in **Section 1.0** and decontamination procedures are also the same as described in **Section 1.0**.

Wells are cased with both blank and factory-perforated Schedule 40 PVC. The factory perforations are typically 0.020 inches wide by 1.5 inch long slots, with 42 slots per foot. A PVC cap is typically installed at the bottom of the casing with stainless steel screws. No solvents or cements are used in the construction of the wells. Well stabilizers or centering devices may be installed around the casing to ensure the filter material and grout in the annulus are evenly distributed. The casing is purchased pre-cleaned or steam cleaned and washed prior to installation in the borehole.

The casing is set inside the augers and sand, gravel, or other filter material is poured into the annulus to fill the borehole from the bottom to approximately 1-2 feet above the perforations. A two foot thick bentonite plug is placed above the filter material to prevent the grout from filling the filter pack. Neat cement or sand-cement grout is poured into the annulus from the top of the bentonite plug to the surface. For wells located in parking lots or driveways, or roads, a traffic rated well box is installed around the well. For wells located in landscaped areas or fields, a stovepipe well protection device is installed around the well. Soil cuttings and rinseate water are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

6.0 MUD AND AIR ROTARY WELL INSTALLATION

Boreholes for wells can also be drilled with a truck-mounted air rotary or mud rotary drill rig. Air or mud can be used as a drill fluid to fill the borehole and prevent the borehole from caving in and remove drill cuttings. Mud or air can be chosen depending on the subsurface conditions. Soil samples are collected and screened as described in **Section 1.0** and decontamination procedures are also the same as described in **Section 1.0**.

Wells are cased with both blank and factory-perforated Schedule 40 PVC. The factory perforations are typically 0.020 inches wide by 1.5 inch long slots, with 42 slots per foot. A PVC cap is typically installed at the bottom of the casing with stainless steel screws. No solvents or cements are used in the construction of the wells. Well stabilizers or centering devices may be installed around the casing to ensure the filter material and grout in the annulus are evenly distributed. The casing is purchased pre-cleaned or steam cleaned and washed prior to installation in the borehole. Soil cuttings and drilling fluids are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

The casing is set inside the augers and sand, gravel, or other filter material is poured into the annulus to fill the borehole from the bottom to approximately 1-2 feet above the perforations. A two foot thick bentonite plug is placed above the filter material to prevent the grout from filling the filter pack. Neat cement or sand-cement grout is poured into the annulus from the top of the bentonite plug to the surface. For wells located in parking lots or driveways, or roads, a traffic rated well box is installed around the well. For wells located in landscaped areas or fields, a stovepipe well protection device is installed around the well. Soil cuttings and rinseate water are temporarily stored onsite pending laboratory analytical results and proper transport and disposal.

7.0 WELL DEVELOPMENT

After well installation, the wells are developed to remove residual drilling materials from the annulus and to improve well production by fine materials from the filter pack. Possible well development methods include pumping, surging, bailing, jetting, flushing, and air lifting. Development water is temporarily stored onsite pending laboratory analytical results and proper transport and disposal. Development equipment are steam cleaned or washed in solution and rinsed in deionized water prior to use, between sample collections and after use. After well development the wells are typically allowed to stabilize for at least 24 hours prior to purging and sampling.

8.0 LIQUID LEVEL MEASUREMENTS

Liquid level measurements are made with a water level meter and/or interface probe and disposable bailers. The probe tip attached to a measuring tape is lowered into the well and into the groundwater when a beeping tone indicates the probe is in the groundwater. The probe and measuring tape (graduated to hundredths of a foot) are slowly raised until the beeping stops and the depth to water measurement is recorded. If the meter makes a steady tone, this indicates the presence of floating liquid hydrocarbons (FLH) and the probe and measuring tape are raised until the steady tone stops and the depth to the FLH is measured. Once depth to water and depth to FLH (if present) has been recorded, the probe and measuring tape are lowered to the bottom of the well where the total depth of the well is measured. The depth to water, depth to FLH, and depth to bottom are measured again to confirm the results.

If FLH is encountered in the well, a disposable bailer is lowered into the well and brought back to the surface to confirm the thickness/presence of FLH. To minimize potential for cross contamination between wells, all measurements are done from cleanest to dirtiest well. Prior to beginning liquid level measurements, in between measurements in all wells, and at the completion of liquid level measurements, the water level probe and measuring tape is cleaned with solution (Alconox, Simple Green, or equivalent) and rinsed with deionized water.

9.0 WELL PURGING AND SAMPLING

Each well is typically purged of at least three well casing volumes of groundwater prior to collecting a groundwater sample. Purging can continue beyond three well casing volumes if field parameters including pH, temperature, electrical conductivity are not stabilizing during the purging process. If the well is purged dry before the three well casing volumes has been purged, the well is typically allowed to recharge to 80 percent of its initial water level before a groundwater sample is collected.

Purging equipment can include submersible pumps, PVC purging bailers, disposable bailers, air lift pumps, or pneumatic pumps. Prior to beginning well purging, in between each well purging, and at the completion of purging activities, all non-dedicated purging equipment is cleaned with solution (Alconox, Simple Green, or equivalent) and rinsed with deionized water.

Once the well has been purged, it will be sampled with a disposable bailer, PVC bailer, stainless steel bailer, or through a low flow groundwater pump. The groundwater sample is transferred from the bottom of the bailer to reduce volatilization to the appropriate sample container. The sample containers are specified by the analytical laboratory depending on the analyses requested. Sample containers typically include volatile organic compound (VOA) vials with septa of Teflon like materials. The groundwater sample is collected into the VOAs to minimize air bubbles and once the cap has been placed on the VOA, the VOA is tipped upside down to see if air bubbles are present in the VOA. Typically a duplicate VOA is collected from each well to be analyzed by the analytical laboratory, if warranted, to verify results.

Sample containers are labeled as described in **Section 3.0** and placed immediately in an ice chest and kept refrigerated until its delivery to the analytical laboratory. A trip blank may also be prepared by the analytical laboratory to travel with the ice chest during transport to the laboratory. Field blanks from equipment that has been decontaminated may be collected in between use in different wells to verify the decontamination procedure is effective. To minimize potential for cross contamination between wells, all wells are purged and sampled from cleanest to dirtiest well.

10.0 TEDLAR BAG SOIL VAPOR SAMPLING

Sampling equipment to collect Tedlar bag soil vapor samples includes an air pump, a Tedlar bag which can range in size from 1 to 10 liters, and 3/16-inch diameter polyethylene tubing. The air pump should be equipped with 3/16-inch hose barbs for the polyethylene tubing to attach to. The Tedlar bag must be equipped with a valve for filling and sealing the bag.

When soil vapor samples are collected from remediation equipment, the sample collection port on the remediation equipment is typically fitted with a 3/16-inch hose barb. Prior to collecting soil vapor samples from remediation equipment, air flow, temperature, and pressure or vacuum of the sampling point/remediation equipment are recorded. One end of the polyethylene tubing is connected to the sample collection port and one end is connected to the influent of the air pump, creating an air tight seal. The air pump is turned on and soil vapor from the sample collection port is pumped through the air pump for at least one minute. The air pump is turned off and one end of another piece of polyethylene tubing is connected to the effluent of the air pump and one end is connected to the valve on the Tedlar bag. The valve is opened and the air pump is turned on filling the Tedlar bag with the soil vapor sample until the bag has reached 75% capacity, when the valve on the Tedlar bag is closed and the air pump is turned off.

Tedlar bags are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

11.0 SUMMA CANISTER SOIL VAPOR SAMPLING

Sampling equipment to collect Summa canister soil vapor samples includes a sterilized Summa stainless steel canister under vacuum, ¼-inch diameter polyethylene tubing, and a laboratory calibrated flow meter, if required.

When soil vapor samples are collected from remediation equipment, the sample collection port on the remediation equipment is typically fitted with brass connection with silicone septa that has been threaded into a tapped hole on the piping network. Prior to collecting soil vapor samples from remediation equipment, air flow, temperature, and pressure or vacuum of the sampling point/remediation equipment are recorded. One end of the polyethylene tubing is connected to the brass sample collection port and one end is connected to the canister valve or flow meter, creating an air tight seal. Prior to collecting the soil vapor sample, the valve on the Summa canister is opened to verify the Summa canister has the required vacuum which is recorded. The sample valve or flow meter is opened and the soil vapor sample is collected into the Summa canister and the sample valve is closed and the final vacuum reading (typically greater than 5 inches per square inch) on the Summa canister is recorded.

Summa canisters are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory.

12.0 SYRINGE SOIL VAPOR SAMPLING

Sampling equipment to collect syringe soil vapor samples includes a sterilized, 100 cubic centimeter, gas tight syringe and silicone septa.

When soil vapor samples are collected from remediation equipment, the sample collection port on the remediation equipment is typically fitted with brass connection with silicone septa that has been threaded into a tapped hole on the piping network. Prior to collecting soil vapor samples from remediation equipment, air flow, temperature, and pressure or vacuum of the sampling point/remediation equipment are recorded. The syringe is inserted into the silicone septa and the plunger is purged or pumped at least three times. The sample is collected the fourth time the syringe plunger is extracted and the syringe is removed from the sample collection port and the needle on the syringe is capped with a rubber stopper.

Syringes are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory.

13.0 TEDLAR BAG SOIL VAPOR SURVEY, TEMPORARY SAMPLING POINTS

Sampling equipment to collect Tedlar bag soil vapor survey samples includes an air pump, a Tedlar bag which can range in size from 1 to 10 liters, 3/16-inch diameter polyethylene tubing, and possibly a soil vapor probe. The air pump should be equipped with 3/16-inch hose barbs for the polyethylene tubing to attach to. The Tedlar bag must be equipped with a valve for filling and sealing the bag.

A temporary borehole is advanced using either a slam bar or a direct push drill rig. In the case of the slam bar, once the borehole has been created, a temporary soil vapor probe is inserted into the borehole and advanced with a slide hammer or other physical force two additional feet. A bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space. In the case of the direct push drill rig, the sampling rod is advanced to the desired depth with a 6-inch retractable vapor screen at the tip. The sample screen on the 6-inch vapor screen is removed and a bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space.

Once the bentonite seal has set, at least one hour, the soil vapor survey samples are collected into Tedlar bags as described in **Section 10.0.** Tedlar bags are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

13.0 TEDLAR BAG SOIL VAPOR SURVEY, TEMPORARY AND REPEATABLE SAMPLING POINTS

Sampling equipment to collect Tedlar bag soil vapor survey samples includes an air pump, a Tedlar bag which can range in size from 1 to 10 liters, 3/16-inch diameter polyethylene tubing, and possibly a soil vapor probe. The air pump should be equipped with 3/16-inch hose barbs for the polyethylene tubing to attach to. The Tedlar bag must be equipped with a valve for filling and sealing the bag.

13.1 TEMPORARY SAMPLING POINTS

A temporary borehole is advanced using either a slam bar or a direct push drill rig. In the case of the slam bar, once the borehole has been created, a temporary soil vapor probe is inserted into the borehole and advanced with a slide hammer or other physical force two additional feet. A bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space. In the case of the direct push drill rig, the sampling rod is advanced to the desired depth with a 6-inch retractable vapor screen at the tip. The sample screen on the 6-inch vapor screen is removed and a bentonite seal is then placed in the borehole above the soil vapor probe to create an air tight seal and prevent ambient air from entering the sample collection space.

Once the bentonite seal has set, at least one hour, the soil vapor survey samples are collected into Tedlar bags as described in **Section 10.0.** Tedlar bags are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

13.2 REPEATABLE SAMPLING POINTS

A borehole is advanced using either a hand auger or a drill rig. A 6-inch slotted probe with caps on both ends is placed in the borehole. A Swagelok fitting is attached to one end cap and 3/16-inch diameter Nylon tubing is attached to the Swagelok fitting. A one foot sand pack is placed around the probe and the remainder of the borehole is sealed with a layer of dry bentonite powder, followed by a layer of bentonite chips, and an additional layer of dry bentonite powder. A well box is placed on the surface of the repeatable sampling point and the excess Nylon tubing is placed inside the well box.

Soil vapor survey samples will be collected at least one week after probe installation. In addition, soil vapor survey samples will only be collected after five consecutive precipitation free days and after any onsite irrigation has been suspended.

The soil vapor survey samples are collected into Tedlar bags as described in **Section 10.0** or Summa canisters as described in **Section 11.0.** Tedlar bags or Summa canisters are labeled as described in **Section 3.0** and placed immediately in an empty ice chest and kept dry and unrefrigerated until its delivery to the analytical laboratory. After each soil vapor sample collection, the air pump is turned on for five minutes to allow ambient air to clear the air pump and polyethylene tubing.

argon laboratories

01 July 2011

Mike Sgourakis
Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

RE: Shore Acres Gas Project Data

Enclosed are the results for sample(s) received on 06/23/11 16:25 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Argon Analytical Services, Inc.

CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	GHA.19009	Consultant:	Environmental Compliance Group, LLC	Laboratory:	Argon Labs
Project Title:	Shore Acres Gas	Address:	270 Vintage Drive	Address:	2905 Railroad Avenue
Location:	403 East 12th Street		Turlock, CA 95382		Ceres, CA 95307
	Oakland, CA	Contact:	Mike Sgourakis	Contact:	
Sampler's Name:		Phone:	916.600.4580	Phone:	(209) 581-9280
(print)		Fax:	209.664.1040	Fax:	(209) 581-9282
Sampler's Signature:		Bill To:		Date Results Required:	
		Client:	Environmental Compliance Group, LLC	Date Report Required:	
		Address:	270 Vintage Drive Turlock, CA		

TURN AROUND TIME

RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)
☐	☐	☐	☒	☒

Sample ID.	Date	Time	# Containers	Matrix	TPHg and TPHd by EPA Method 8015M	BTEX, 5 oxygenates, 1,2-DCA, EDB by EPA Method 8260B	EDF Reports	COMMENTS: Preservative
MW-1-5	6-22-11	11:11	1	Soil	X	X	X	Ice
MW-1-15	"	11:30	"	"	"	"	"	"
MW-1-20	"	11:35	"	"	"	"	"	"
MW-2-5	6-20-11	16:10	"	"	"	"	"	"
MW-2-10	"	16:15	"	"	"	"	"	"
MW-2-15	6-21-11	9:00	"	"	"	"	"	"
MW-2-20	"	9:17	"	"	"	"	"	"
MW-3-5	6-22-11	13:45	"	"	"	"	"	"
MW-3-10	"	13:50	"	"	"	"	"	"
MW-3-15	"	14:03	"	"	"	"	"	"
MW-3-20	"	14:15	"	"	"	"	"	"
MW-4-5	6-21-11	14:14	"	"	"	"	"	"

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	SPECIAL INSTRUCTIONS:
	6/23/11	1625		6/23/11	16:25	Global ID# T0600174667
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Analytical Services, Inc.
CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	GHA.19009	Consultant:	Environmental Compliance Group, LLC	Laboratory:	Argon Labs
Project Title:	Shore Acres Gas	Address:	270 Vintage Drive	Address:	2905 Railroad Avenue
Location:	403 East 12th Street		Turlock, CA 95382		Ceres, CA 95307
	Oakland, CA	Contact:	Mike Sgourakis	Contact:	
Sampler's Name:		Phone:	916.600.4580	Phone:	(209) 581-9280
(print)		Fax:	209.664.1040	Fax:	(209) 581-9282
Sampler's Signature:		Bill To:		Date Results Required:	
		Client:	Environmental Compliance Group, LLC	Date Report Required:	
		Address:	270 Vintage Drive Turlock, CA		

TURN AROUND TIME					ANALYSIS											
RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)	TPHg and TPHd by EPA Method 8015M	BTEX, 5 oxygenates, 1,2-DCA, EDB by EPA Method 8260B									EDF Reports	COMMENTS
			X													
Sample ID.	Date	Time	# Containers	Matrix												Preservative
MW-4-10	6-21-11	14:20	1	Soil	X	X									X	Ice
MW-4-15	"	14:23	"	"	"	"									"	"
MW-4-20	"	14:30	"	"	"	"									"	"
MW-5-5	6-20-11	15:00	"	"	"	"									"	"
MW-5-10	"	15:25	"	"	"	"									"	"
MW-5-15	"	15:40	"	"	"	"									"	"
MW-6-5	6-22-11	9:45	"	"	"	"									"	"
MW-6-10	"	9:54	"	"	"	"									"	"
MW-6-15	"	10:03	"	"	"	"									"	"
MW-6-20	"	10:10	"	"	"	"									"	"
VW-1-5	6-23-11	11:00	"	"	"	"									"	"
VW-1-10	"	11:10	"	"	"	"									"	"

						SPECIAL INSTRUCTIONS:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Global ID#
	6/20/11	1625		6/23/11	1025	T0600174667
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Analytical Services, Inc.

CHAIN OF CUSTODY

Project Information:		Report To:		Samples Submitted To:	
Project No:	GHA.19009	Consultant:	Environmental Compliance Group, LLC	Laboratory:	Argon Labs
Project Title:	Shore Acres Gas	Address:	270 Vintage Drive	Address:	2905 Railroad Avenue
Location:	403 East 12th Street		Turlock, CA 95382		Ceres, CA 95307
	Oakland, CA	Contact:	Mike Sgourakis	Contact:	
Sampler's Name:		Phone:	916.600.4580	Phone:	(209) 581-9280
(print)		Fax:	209.664.1040	Fax:	(209) 581-9282
Sampler's Signature:		Bill To:		Date Results Required:	
		Client:	Environmental Compliance Group, LLC	Date Report Required:	
		Address:	270 Vintage Drive Turlock, CA		

TURN AROUND TIME

RUSH	24 Hour	48 Hour	Standard (5 days)	Special (10-14 days)
☐	☐	☐	☑	☐

Sample ID.	Date	Time	# Containers	Matrix	TPHg and TPHd by EPA Method 8015M	BTEX, 5 oxygenates, 1,2-DCA, EDB by EPA Method 8260B	EDF Reports	COMMENTS: Preservative
VW-1-15	6-23-11	11:15	1	Soil	X	X	X	Ice
VW-1-20	"	11:26	"	"	"	"	"	"
VW-2-5	"	8:30	"	"	"	"	"	"
VW-2-10	"	8:40	"	"	"	"	"	"
VW-2-15	"	8:46	"	"	"	"	"	"
VW-2-20	"	8:55	"	"	"	"	"	"

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	SPECIAL INSTRUCTIONS:
	6/23/11	16:25		6/23/11	16:25	Global ID# T0600174667
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Argon Laboratories Sample Receipt Checklist

Client Name: ENV. COMPL GROUP Date & Time Received: 06/23/11 16:25

Project Name: Shore Acres Gas Client Project Number: GHA.19009

Received By: DC Matrix: Water ☐ Soil ☑ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: L106053

Shipper Container in good condition? N/A____	Yes ☑	No ☐		Samples received in proper containers?	Yes ☑	No ☐	
Samples received under refrigeration?	Yes ☑	No ☐		Samples received intact?	Yes ☑	No ☐	
Chain of custody present?	Yes ☑	No ☐		Sufficient sample volume for requested tests?	Yes ☑	No ☐	
Chain of Custody signed by all parties?	Yes ☑	No ☐		Samples received within holding time?	Yes ☑	No ☐	
Chain of Custody matches all sample labels?	Yes ☑	No ☐		Do samples contain proper preservative? N/A ☑	Yes ☐	No ☐	
				Do VOA vials contain zero headspace? (None submitted ☑)	Yes ☐	No ☐	

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106053

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1-5	L106053-01	Soil	06/22/11 11:11	06/23/11 16:25
MW-1-15	L106053-02	Soil	06/22/11 11:30	06/23/11 16:25
MW-1-20	L106053-03	Soil	06/22/11 11:35	06/23/11 16:25
MW-2-5	L106053-04	Soil	06/20/11 16:10	06/23/11 16:25
MW-2-10	L106053-05	Soil	06/20/11 16:15	06/23/11 16:25
MW-2-15	L106053-06	Soil	06/21/11 09:00	06/23/11 16:25
MW-2-20	L106053-07	Soil	06/21/11 09:17	06/23/11 16:25
MW-3-5	L106053-08	Soil	06/22/11 13:45	06/23/11 16:25
MW-3-10	L106053-09	Soil	06/22/11 13:50	06/23/11 16:25
MW-3-15	L106053-10	Soil	06/22/11 14:03	06/23/11 16:25
MW-3-20	L106053-11	Soil	06/22/11 14:15	06/23/11 16:25
MW-4-5	L106053-12	Soil	06/21/11 14:14	06/23/11 16:25
MW-4-10	L106053-13	Soil	06/21/11 14:20	06/23/11 16:25
MW-4-15	L106053-14	Soil	06/21/11 14:23	06/23/11 16:25
MW-4-20	L106053-15	Soil	06/21/11 14:30	06/23/11 16:25
MW--5-5	L106053-16	Soil	06/20/11 15:00	06/23/11 16:25
MW-5-10	L106053-17	Soil	06/20/11 15:25	06/23/11 16:25
MW-5-15	L106053-18	Soil	06/20/11 15:40	06/23/11 16:25
MW-6-5	L106053-19	Soil	06/22/11 09:45	06/23/11 16:25
MW-6-10	L106053-20	Soil	06/22/11 09:54	06/23/11 16:25
MW-6-15	L106053-21	Soil	06/22/11 10:03	06/23/11 16:25
MW-6-20	L106053-22	Soil	06/22/11 10:10	06/23/11 16:25
VW-1-5	L106053-23	Soil	06/23/11 11:00	06/23/11 16:25
VW-1-10	L106053-24	Soil	06/23/11 11:10	06/23/11 16:25
VW-1-15	L106053-25	Soil	06/23/11 11:15	06/23/11 16:25
VW-1-20	L106053-26	Soil	06/23/11 11:26	06/23/11 16:25
VW-2-5	L106053-27	Soil	06/23/11 08:30	06/23/11 16:25
VW-2-10	L106053-28	Soil	06/23/11 08:40	06/23/11 16:25
VW-2-15	L106053-29	Soil	06/23/11 08:46	06/23/11 16:25
VW-2-20	L106053-30	Soil	06/23/11 08:55	06/23/11 16:25

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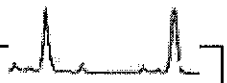

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1-5 (L106053-01) Soil Sampled: 22-Jun-11 11:11 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*93 %*			"	"	
MW-1-15 (L106053-02) Soil Sampled: 22-Jun-11 11:30 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*87 %*			"	"	
MW-1-20 (L106053-03) Soil Sampled: 22-Jun-11 11:35 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*93 %*			"	"	
MW-2-5 (L106053-04) Soil Sampled: 20-Jun-11 16:10 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*89 %*			"	"	
MW-2-10 (L106053-05) Soil Sampled: 20-Jun-11 16:15 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*99 %*			"	"	
MW-2-15 (L106053-06) Soil Sampled: 21-Jun-11 09:00 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*96 %*			"	"	
MW-2-20 (L106053-07) Soil Sampled: 21-Jun-11 09:17 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*90 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-3-5 (L106053-08) Soil Sampled: 22-Jun-11 13:45 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*98 %*			"	"	
MW-3-10 (L106053-09) Soil Sampled: 22-Jun-11 13:50 Received: 23-Jun-11 16:25							
Diesel	ND	15	mg/kg	3	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*103 %*			"	"	
MW-3-15 (L106053-10) Soil Sampled: 22-Jun-11 14:03 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*95 %*			"	"	
MW-3-20 (L106053-11) Soil Sampled: 22-Jun-11 14:15 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*98 %*			"	"	
MW-4-5 (L106053-12) Soil Sampled: 21-Jun-11 14:14 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*96 %*			"	"	
MW-4-10 (L106053-13) Soil Sampled: 21-Jun-11 14:20 Received: 23-Jun-11 16:25							
Diesel	ND	15	mg/kg	3	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*106 %*			"	"	
MW-4-15 (L106053-14) Soil Sampled: 21-Jun-11 14:23 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*94 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-4-20 (L106053-15) Soil Sampled: 21-Jun-11 14:30 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*95 %*			"	"	
MW--5-5 (L106053-16) Soil Sampled: 20-Jun-11 15:00 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*94 %*			"	"	
MW-5-10 (L106053-17) Soil Sampled: 20-Jun-11 15:25 Received: 23-Jun-11 16:25							
Diesel	ND	15	mg/kg	3	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*109 %*			"	"	
MW-5-15 (L106053-18) Soil Sampled: 20-Jun-11 15:40 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*88 %*			"	"	
MW-6-5 (L106053-19) Soil Sampled: 22-Jun-11 09:45 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*96 %*			"	"	
MW-6-10 (L106053-20) Soil Sampled: 22-Jun-11 09:54 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*95 %*			"	"	
MW-6-15 (L106053-21) Soil Sampled: 22-Jun-11 10:03 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*99 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-6-20 (L106053-22) Soil Sampled: 22-Jun-11 10:10 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*104 %*			"	"	
VW-1-5 (L106053-23) Soil Sampled: 23-Jun-11 11:00 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*97 %*			"	"	
VW-1-10 (L106053-24) Soil Sampled: 23-Jun-11 11:10 Received: 23-Jun-11 16:25							
Diesel	ND	15	mg/kg	3	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*96 %*			"	"	
VW-1-15 (L106053-25) Soil Sampled: 23-Jun-11 11:15 Received: 23-Jun-11 16:25							
Diesel	ND	15	mg/kg	3	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*107 %*			"	"	
VW-1-20 (L106053-26) Soil Sampled: 23-Jun-11 11:26 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*101 %*			"	"	
VW-2-5 (L106053-27) Soil Sampled: 23-Jun-11 08:30 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*106 %*			"	"	
VW-2-10 (L106053-28) Soil Sampled: 23-Jun-11 08:40 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*102 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106053

Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-2-15 (L106053-29) Soil Sampled: 23-Jun-11 08:46 Received: 23-Jun-11 16:25							
Diesel	ND	15	mg/kg	3	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*98 %*			"	"	
VW-2-20 (L106053-30) Soil Sampled: 23-Jun-11 08:55 Received: 23-Jun-11 16:25							
Diesel	ND	5.0	mg/kg	1	24-Jun-11	EPA 8015Mod	
Surr. Rec.:		*101 %*			"	"	

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argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1-5 (L106053-01) Soil Sampled: 22-Jun-11 11:11 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*90 %*			"	"	
MW-1-15 (L106053-02) Soil Sampled: 22-Jun-11 11:30 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**18**	5.0	mg/kg	5	24-Jun-11	8015M	
Surr. Rec.:		*116 %*			"	"	
MW-1-20 (L106053-03) Soil Sampled: 22-Jun-11 11:35 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*92 %*			"	"	
MW-2-5 (L106053-04) Soil Sampled: 20-Jun-11 16:10 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*80 %*			"	"	
MW-2-10 (L106053-05) Soil Sampled: 20-Jun-11 16:15 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**69**	10	mg/kg	10	24-Jun-11	8015M	
Surr. Rec.:		*110 %*			"	"	
MW-2-15 (L106053-06) Soil Sampled: 21-Jun-11 09:00 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**50**	20	mg/kg	20	24-Jun-11	8015M	
Surr. Rec.:		*114 %*			"	"	
MW-2-20 (L106053-07) Soil Sampled: 21-Jun-11 09:17 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*97 %*			"	"	

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-3-5 (L106053-08) Soil Sampled: 22-Jun-11 13:45 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*110 %*			"	"	
MW-3-10 (L106053-09) Soil Sampled: 22-Jun-11 13:50 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**840**	100	mg/kg	100	24-Jun-11	8015M	
Surr. Rec.:		*111 %*			"	"	
MW-3-15 (L106053-10) Soil Sampled: 22-Jun-11 14:03 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**380**	40	mg/kg	40	24-Jun-11	8015M	
Surr. Rec.:		*110 %*			"	"	
MW-3-20 (L106053-11) Soil Sampled: 22-Jun-11 14:15 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*126 %*			"	"	
MW-4-5 (L106053-12) Soil Sampled: 21-Jun-11 14:14 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*107 %*			"	"	
MW-4-10 (L106053-13) Soil Sampled: 21-Jun-11 14:20 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**420**	10	mg/kg	10	24-Jun-11	8015M	
Surr. Rec.:		*108 %*			"	"	
MW-4-15 (L106053-14) Soil Sampled: 21-Jun-11 14:23 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**3.1**	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*109 %*			"	"	

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Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-4-20 (L106053-15) Soil Sampled: 21-Jun-11 14:30 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	24-Jun-11	8015M	
Surr. Rec.:		*115 %*			"	"	
MW--5-5 (L106053-16) Soil Sampled: 20-Jun-11 15:00 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**76**	10	mg/kg	10	27-Jun-11	8015M	
Surr. Rec.:		*124 %*			"	"	
MW-5-10 (L106053-17) Soil Sampled: 20-Jun-11 15:25 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**3200**	800	mg/kg	800	27-Jun-11	8015M	
Surr. Rec.:		*116 %*			"	"	
MW-5-15 (L106053-18) Soil Sampled: 20-Jun-11 15:40 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**600**	80	mg/kg	80	27-Jun-11	8015M	
Surr. Rec.:		*112 %*			"	"	
MW-6-5 (L106053-19) Soil Sampled: 22-Jun-11 09:45 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*103 %*			"	"	
MW-6-10 (L106053-20) Soil Sampled: 22-Jun-11 09:54 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**5.1**	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*105 %*			"	"	
MW-6-15 (L106053-21) Soil Sampled: 22-Jun-11 10:03 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*101 %*			"	"	

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Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-6-20 (L106053-22) Soil Sampled: 22-Jun-11 10:10 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*90 %*			"	"	
VW-1-5 (L106053-23) Soil Sampled: 23-Jun-11 11:00 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**34**	10	mg/kg	10	27-Jun-11	8015M	
Surr. Rec.:		*119 %*			"	"	
VW-1-10 (L106053-24) Soil Sampled: 23-Jun-11 11:10 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**85**	20	mg/kg	20	27-Jun-11	8015M	
Surr. Rec.:		*114 %*			"	"	
VW-1-15 (L106053-25) Soil Sampled: 23-Jun-11 11:15 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**420**	50	mg/kg	50	27-Jun-11	8015M	
Surr. Rec.:		*114 %*			"	"	
VW-1-20 (L106053-26) Soil Sampled: 23-Jun-11 11:26 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*106 %*			"	"	
VW-2-5 (L106053-27) Soil Sampled: 23-Jun-11 08:30 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*87 %*			"	"	
VW-2-10 (L106053-28) Soil Sampled: 23-Jun-11 08:40 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**130**	20	mg/kg	20	27-Jun-11	8015M	
Surr. Rec.:		*109 %*			"	"	

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Environmental Compliance Group, LLC
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Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106053

Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-2-15 (L106053-29) Soil Sampled: 23-Jun-11 08:46 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**5500**	800	mg/kg	800	27-Jun-11	8015M	
Surr. Rec.:		*109 %*			"	"	
VW-2-20 (L106053-30) Soil Sampled: 23-Jun-11 08:55 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	mg/kg	1	27-Jun-11	8015M	
Surr. Rec.:		*110 %*			"	"	

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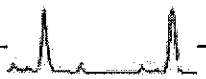

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1-5 (L106053-01) Soil Sampled: 22-Jun-11 11:11 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	29-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	**0.093**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.35**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*90 %*			"	"	
MW-1-15 (L106053-02) Soil Sampled: 22-Jun-11 11:30 Received: 23-Jun-11 16:25							
Benzene	**0.55**	0.050	mg/kg	10	29-Jun-11	8260B	
Toluene	ND	0.050	"	"	"	"	
Xylenes, total	**1.2**	0.10	"	"	"	"	
Ethylbenzene	**0.87**	0.050	"	"	"	"	
t-Butanol	ND	0.50	"	"	"	"	
Methyl tert-Butyl Ether	**1.1**	0.050	"	"	"	"	
Di-Isopropyl Ether	ND	0.050	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.050	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.050	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	
Surr. Rec.:		*104 %*			"	"	

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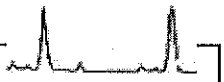

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1-20 (L106053-03) Soil Sampled: 22-Jun-11 11:35 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	29-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	**0.58**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.31**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*95 %*			"	"	
MW-2-5 (L106053-04) Soil Sampled: 20-Jun-11 16:10 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	29-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*96 %*			"	"	

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270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-2-10 (L106053-05) Soil Sampled: 20-Jun-11 16:15 Received: 23-Jun-11 16:25							
Benzene	ND	0.050	mg/kg	10	29-Jun-11	8260B	
Toluene	ND	0.050	"	"	"	"	
Xylenes, total	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	
t-Butanol	ND	0.50	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.050	"	"	"	"	
Di-Isopropyl Ether	ND	0.050	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.050	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.050	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	
Surr. Rec.:		*107 %*			"	"	
MW-2-15 (L106053-06) Soil Sampled: 21-Jun-11 09:00 Received: 23-Jun-11 16:25							
Benzene	ND	0.050	mg/kg	10	29-Jun-11	8260B	
Toluene	**0.48**	0.050	"	"	"	"	
Xylenes, total	**19**	0.10	"	"	"	"	
Ethylbenzene	**3.1**	0.050	"	"	"	"	
t-Butanol	ND	0.50	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.050	"	"	"	"	
Di-Isopropyl Ether	ND	0.050	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.050	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.050	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	
Surr. Rec.:		*93 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-2-20 (L106053-07) Soil Sampled: 21-Jun-11 09:17 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	29-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.006**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*98 %*			"	"	
MW-3-5 (L106053-08) Soil Sampled: 22-Jun-11 13:45 Received: 23-Jun-11 16:25							
Benzene	ND	0.010	mg/kg	2	29-Jun-11	8260B	
Toluene	ND	0.010	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	
Ethylbenzene	ND	0.010	"	"	"	"	
t-Butanol	**0.37**	0.10	"	"	"	"	
Methyl tert-Butyl Ether	**1.5**	0.010	"	"	"	"	
Di-Isopropyl Ether	ND	0.010	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.010	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.010	"	"	"	"	
1,2-Dichloroethane	ND	0.010	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.010	"	"	"	"	
Surr. Rec.:		*93 %*			"	"	

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Project Number: GHA.19009
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Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-3-10 (L106053-09) Soil Sampled: 22-Jun-11 13:50 Received: 23-Jun-11 16:25							
Benzene	**3.4**	0.80	mg/kg	160	29-Jun-11	8260B	
Toluene	**33**	0.80	"	"	"	"	
Xylenes, total	**140**	1.6	"	"	"	"	
Ethylbenzene	**20**	0.80	"	"	"	"	
t-Butanol	ND	8.0	"	"	"	"	
Methyl tert-Butyl Ether	**1.3**	0.80	"	"	"	"	
Di-Isopropyl Ether	ND	0.80	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.80	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.80	"	"	"	"	
1,2-Dichloroethane	ND	0.80	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.80	"	"	"	"	
Surr. Rec.:		*91 %*			"	"	
MW-3-15 (L106053-10) Soil Sampled: 22-Jun-11 14:03 Received: 23-Jun-11 16:25							
Benzene	**3.0**	0.20	mg/kg	40	29-Jun-11	8260B	
Toluene	**4.5**	0.20	"	"	"	"	
Xylenes, total	**41**	0.40	"	"	"	"	
Ethylbenzene	**7.3**	0.20	"	"	"	"	
t-Butanol	ND	2.0	"	"	"	"	
Methyl tert-Butyl Ether	**3.0**	0.20	"	"	"	"	
Di-Isopropyl Ether	ND	0.20	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.20	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.20	"	"	"	"	
1,2-Dichloroethane	ND	0.20	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.20	"	"	"	"	
Surr. Rec.:		*71 %*			"	"	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-3-20 (L106053-11) Soil Sampled: 22-Jun-11 14:15 Received: 23-Jun-11 16:25							
Benzene	**0.019**	0.005	mg/kg	1	29-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	**0.006**	0.005	"	"	"	"	
t-Butanol	**0.16**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.036**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*95 %*			"	"	
MW-4-5 (L106053-12) Soil Sampled: 21-Jun-11 14:14 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	29-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*95 %*			"	"	

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Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-4-10 (L106053-13) Soil Sampled: 21-Jun-11 14:20 Received: 23-Jun-11 16:25							
Benzene	**1.7**	0.40	mg/kg	80	29-Jun-11	8260B	
Toluene	**2.6**	0.40	"	"	"	"	
Xylenes, total	**51**	0.80	"	"	"	"	
Ethylbenzene	**9.2**	0.40	"	"	"	"	
t-Butanol	ND	4.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.40	"	"	"	"	
Di-Isopropyl Ether	ND	0.40	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.40	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.40	"	"	"	"	
1,2-Dichloroethane	ND	0.40	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	
Surr. Rec.:		*82 %*			"	"	
MW-4-15 (L106053-14) Soil Sampled: 21-Jun-11 14:23 Received: 23-Jun-11 16:25							
Benzene	**0.036**	0.010	mg/kg	2	29-Jun-11	8260B	
Toluene	**0.20**	0.010	"	"	"	"	
Xylenes, total	**0.95**	0.020	"	"	"	"	
Ethylbenzene	**0.15**	0.010	"	"	"	"	
t-Butanol	ND	0.10	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.010	"	"	"	"	
Di-Isopropyl Ether	ND	0.010	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.010	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.010	"	"	"	"	
1,2-Dichloroethane	ND	0.010	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.010	"	"	"	"	
Surr. Rec.:		*92 %*			"	"	

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Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-4-20 (L106053-15) Soil Sampled: 21-Jun-11 14:30 Received: 23-Jun-11 16:25							
Benzene	**0.007**	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	**0.017**	0.005	"	"	"	"	
Xylenes, total	**0.039**	0.010	"	"	"	"	
Ethylbenzene	**0.010**	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*99 %*			"	"	
MW--5-5 (L106053-16) Soil Sampled: 20-Jun-11 15:00 Received: 23-Jun-11 16:25							
Benzene	ND	0.10	mg/kg	20	30-Jun-11	8260B	
Toluene	ND	0.10	"	"	"	"	
Xylenes, total	**0.76**	0.20	"	"	"	"	
Ethylbenzene	**1.3**	0.10	"	"	"	"	
t-Butanol	ND	1.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.10	"	"	"	"	
Di-Isopropyl Ether	ND	0.10	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.10	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.10	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	
Surr. Rec.:		*78 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-5-10 (L106053-17) Soil Sampled: 20-Jun-11 15:25 Received: 23-Jun-11 16:25							
Benzene	**4.6**	4.0	mg/kg	800	30-Jun-11	8260B	
Toluene	**6.5**	4.0	"	"	"	"	
Xylenes, total	**410**	8.0	"	"	"	"	
Ethylbenzene	**72**	4.0	"	"	"	"	
t-Butanol	ND	40	"	"	"	"	
Methyl tert-Butyl Ether	ND	4.0	"	"	"	"	
Di-Isopropyl Ether	ND	4.0	"	"	"	"	
Ethyl tert-Butyl Ether	ND	4.0	"	"	"	"	
tert-Amyl Methyl Ether	ND	4.0	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	
Surr. Rec.:		*85 %*			"	"	
MW-5-15 (L106053-18) Soil Sampled: 20-Jun-11 15:40 Received: 23-Jun-11 16:25							
Benzene	**1.3**	0.40	mg/kg	80	30-Jun-11	8260B	
Toluene	**13**	0.40	"	"	"	"	
Xylenes, total	**110**	0.80	"	"	"	"	
Ethylbenzene	**15**	0.40	"	"	"	"	
t-Butanol	ND	4.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.40	"	"	"	"	
Di-Isopropyl Ether	ND	0.40	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.40	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.40	"	"	"	"	
1,2-Dichloroethane	ND	0.40	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	
Surr. Rec.:		*84 %*			"	"	

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Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-6-5 (L106053-19) Soil Sampled: 22-Jun-11 09:45 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	ND	0.050	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*94 %*			"	"	
MW-6-10 (L106053-20) Soil Sampled: 22-Jun-11 09:54 Received: 23-Jun-11 16:25							
Benzene	**0.015**	0.010	mg/kg	2	30-Jun-11	8260B	
Toluene	ND	0.010	"	"	"	"	
Xylenes, total	**1.0**	0.020	"	"	"	"	
Ethylbenzene	**3.4**	0.010	"	"	"	"	
t-Butanol	ND	0.10	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.010	"	"	"	"	
Di-Isopropyl Ether	ND	0.010	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.010	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.010	"	"	"	"	
1,2-Dichloroethane	ND	0.010	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.010	"	"	"	"	
Surr. Rec.:		*120 %*			"	"	

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Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-6-15 (L106053-21) Soil Sampled: 22-Jun-11 10:03 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	**0.088**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.026**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*91 %*			"	"	
MW-6-20 (L106053-22) Soil Sampled: 22-Jun-11 10:10 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	**0.37**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.010**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*97 %*			"	"	

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Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-1-5 (L106053-23) Soil Sampled: 23-Jun-11 11:00 Received: 23-Jun-11 16:25							
Benzene	ND	0.050	mg/kg	10	30-Jun-11	8260B	
Toluene	ND	0.050	"	"	"	"	
Xylenes, total	**0.31**	0.10	"	"	"	"	
Ethylbenzene	**0.16**	0.050	"	"	"	"	
t-Butanol	ND	0.50	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.050	"	"	"	"	
Di-Isopropyl Ether	ND	0.050	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.050	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.050	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	
Surr. Rec.:		*83 %*			"	"	
VW-1-10 (L106053-24) Soil Sampled: 23-Jun-11 11:10 Received: 23-Jun-11 16:25							
Benzene	ND	0.10	mg/kg	20	30-Jun-11	8260B	
Toluene	ND	0.10	"	"	"	"	
Xylenes, total	**0.89**	0.20	"	"	"	"	
Ethylbenzene	**2.2**	0.10	"	"	"	"	
t-Butanol	ND	1.0	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.10	"	"	"	"	
Di-Isopropyl Ether	ND	0.10	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.10	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.10	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	
Surr. Rec.:		*80 %*			"	"	

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Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-1-15 (L106053-25) Soil Sampled: 23-Jun-11 11:15 Received: 23-Jun-11 16:25							
Benzene	**2.1**	0.40	mg/kg	80	30-Jun-11	8260B	
Toluene	**4.1**	0.40	"	"	"	"	
Xylenes, total	**55**	0.80	"	"	"	"	
Ethylbenzene	**9.4**	0.40	"	"	"	"	
t-Butanol	ND	4.0	"	"	"	"	
Methyl tert-Butyl Ether	**0.59**	0.40	"	"	"	"	
Di-Isopropyl Ether	ND	0.40	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.40	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.40	"	"	"	"	
1,2-Dichloroethane	ND	0.40	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	
Surr. Rec.:		*84 %*			"	"	
VW-1-20 (L106053-26) Soil Sampled: 23-Jun-11 11:26 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	**0.16**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.009**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*97 %*			"	"	

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Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-2-5 (L106053-27) Soil Sampled: 23-Jun-11 08:30 Received: 23-Jun-11 16:25							
Benzene	ND	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	ND	0.005	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
t-Butanol	**0.14**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.25**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*87 %*			"	"	
VW-2-10 (L106053-28) Soil Sampled: 23-Jun-11 08:40 Received: 23-Jun-11 16:25							
Benzene	ND	0.10	mg/kg	20	30-Jun-11	8260B	
Toluene	ND	0.10	"	"	"	"	
Xylenes, total	**15**	0.20	"	"	"	"	
Ethylbenzene	**2.9**	0.10	"	"	"	"	
t-Butanol	ND	1.0	"	"	"	"	
Methyl tert-Butyl Ether	**0.33**	0.10	"	"	"	"	
Di-Isopropyl Ether	ND	0.10	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.10	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.10	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	
Surr. Rec.:		*83 %*			"	"	

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Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-2-15 (L106053-29) Soil Sampled: 23-Jun-11 08:46 Received: 23-Jun-11 16:25							
Benzene	**29**	4.0	mg/kg	800	30-Jun-11	8260B	
Toluene	**430**	4.0	"	"	"	"	
Xylenes, total	**910**	8.0	"	"	"	"	
Ethylbenzene	**120**	4.0	"	"	"	"	
t-Butanol	ND	40	"	"	"	"	
Methyl tert-Butyl Ether	ND	4.0	"	"	"	"	
Di-Isopropyl Ether	ND	4.0	"	"	"	"	
Ethyl tert-Butyl Ether	ND	4.0	"	"	"	"	
tert-Amyl Methyl Ether	ND	4.0	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	
Surr. Rec.:		*85 %*			"	"	
VW-2-20 (L106053-30) Soil Sampled: 23-Jun-11 08:55 Received: 23-Jun-11 16:25							
Benzene	**0.14**	0.005	mg/kg	1	30-Jun-11	8260B	
Toluene	**0.054**	0.005	"	"	"	"	
Xylenes, total	**0.14**	0.010	"	"	"	"	
Ethylbenzene	**0.025**	0.005	"	"	"	"	
t-Butanol	**0.26**	0.050	"	"	"	"	
Methyl tert-Butyl Ether	**0.008**	0.005	"	"	"	"	
Di-Isopropyl Ether	ND	0.005	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.005	"	"	"	"	
tert-Amyl Methyl Ether	ND	0.005	"	"	"	"	
1,2-Dichloroethane	ND	0.005	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.005	"	"	"	"	
Surr. Rec.:		*72 %*			"	"	

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Total Petroleum Hydrocarbons @ Diesel - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101060 - EPA 3550B										
Blank (L101060-BLK1)				Prepared & Analyzed: 06/24/11						
Surrogate: p-Terphenyl	*9.00*		*mg/kg*	*10*		*90*	*70-130*			
Diesel	ND	5.0	"							
LCS (L101060-BS1)				Prepared & Analyzed: 06/24/11						
Diesel	220	5	mg/kg	200		110	80-120			
LCS Dup (L101060-BSD1)				Prepared & Analyzed: 06/24/11						
Diesel	218	5	mg/kg	200		109	80-120	0.9	20	
Matrix Spike (L101060-MS1)	**Source: L106053-12**			Prepared & Analyzed: 06/24/11						
Diesel	231	5	mg/kg	200	ND	116	70-130			
Matrix Spike (L101060-MS2)	**Source: L106053-22**			Prepared & Analyzed: 06/24/11						
Diesel	199	5	mg/kg	200	ND	100	70-130			
Matrix Spike Dup (L101060-MSD1)	**Source: L106053-12**			Prepared & Analyzed: 06/24/11						
Diesel	216	5	mg/kg	200	ND	108	70-130	7	20	
Matrix Spike Dup (L101060-MSD2)	**Source: L106053-22**			Prepared & Analyzed: 06/24/11						
Diesel	216	5	mg/kg	200	ND	108	70-130	8	20	

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Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106053

Total Petroleum Hydrocarbons @ Gasoline - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101045 - EPA 5030B										
Blank (L101045-BLK1)				Prepared & Analyzed: 06/27/11						
Surrogate: a,a,a-Trifluorotoluene	*0.0435*		*mg/kg*	*0.050*		*87*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	"							
LCS (L101045-BS1)				Prepared & Analyzed: 06/27/11						
Total Petroleum Hydrocarbons @ Gasoline	0.96	1	mg/kg	1.0		96	80-120			
LCS Dup (L101045-BSD1)				Prepared & Analyzed: 06/27/11						
Total Petroleum Hydrocarbons @ Gasoline	1.01	1	mg/kg	1.0		101	80-120	5	20	
Matrix Spike (L101045-MS1)		**Source: L106045-01**		Prepared & Analyzed: 06/27/11						
Total Petroleum Hydrocarbons @ Gasoline	0.97	1	mg/kg	1.0	ND	97	70-130			
Matrix Spike Dup (L101045-MSD1)		**Source: L106045-01**		Prepared & Analyzed: 06/27/11						
Total Petroleum Hydrocarbons @ Gasoline	0.99	1	mg/kg	1.0	ND	99	70-130	3	20	
Batch L101069 - EPA 5030B										
Blank (L101069-BLK1)				Prepared & Analyzed: 06/24/11						
Surrogate: a,a,a-Trifluorotoluene	*0.0535*		*mg/kg*	*0.050*		*107*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	1.0	"							
LCS (L101069-BS1)				Prepared & Analyzed: 06/24/11						
Total Petroleum Hydrocarbons @ Gasoline	0.99	1	mg/kg	1.0		99	80-120			
LCS Dup (L101069-BSD1)				Prepared & Analyzed: 06/24/11						
Total Petroleum Hydrocarbons @ Gasoline	1.02	1	mg/kg	1.0		102	80-120	4	20	
Matrix Spike (L101069-MS1)		**Source: L106053-12**		Prepared & Analyzed: 06/24/11						
Total Petroleum Hydrocarbons @ Gasoline	1.00	1	mg/kg	1.0	ND	100	70-130			
Matrix Spike Dup (L101069-MSD1)		**Source: L106053-12**		Prepared & Analyzed: 06/24/11						
Total Petroleum Hydrocarbons @ Gasoline	0.96	1	mg/kg	1.0	ND	96	70-130	3	20	

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Environmental Compliance Group, LLC	Project Number: GHA.19009	
270 Vintage Drive	Project Name: Shore Acres Gas	Work Order No.:
Turlock, CA 95382	Project Manager: Mike Sgourakis	L106053

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101070 - EPA 5030B										
Blank (L101070-BLK1)				Prepared & Analyzed: 06/29/11						
Surrogate: Fluorobenzene	*0.0505*		*mg/kg*	*0.050*		*101*	*70-130*			
Benzene	ND	0.005	"							
Toluene	ND	0.005	"							
Xylenes, total	ND	0.010	"							
Ethylbenzene	ND	0.005	"							
t-Butanol	ND	0.050	"							
Methyl tert-Butyl Ether	ND	0.005	"							
Di-Isopropyl Ether	ND	0.005	"							
Ethyl tert-Butyl Ether	ND	0.005	"							
tert-Amyl Methyl Ether	ND	0.005	"							
1,2-Dichloroethane	ND	0.005	"							
1,2-Dibromoethane (EDB)	ND	0.005	"							
LCS (L101070-BS1)				Prepared & Analyzed: 06/29/11						
Methyl tert-Butyl Ether	0.027	0.005	mg/kg	0.025		108	80-120			
LCS Dup (L101070-BSD1)				Prepared & Analyzed: 06/29/11						
Methyl tert-Butyl Ether	0.026	0.005	mg/kg	0.025		103	80-120	5	20	
Matrix Spike (L101070-MS1)		**Source: L106053-12**		Prepared & Analyzed: 06/29/11						
Benzene	0.024	0.005	mg/kg	0.025	ND	95	70-130			
Matrix Spike Dup (L101070-MSD1)		**Source: L106053-12**		Prepared & Analyzed: 06/29/11						
Benzene	0.025	0.005	mg/kg	0.025	ND	101	70-130	6	20	
Batch L101071 - EPA 5030B										
Blank (L101071-BLK1)				Prepared & Analyzed: 06/30/11						
Surrogate: Fluorobenzene	*0.0505*		*mg/kg*	*0.050*		*101*	*70-130*			
Benzene	ND	0.005	"							
Toluene	ND	0.005	"							
Xylenes, total	ND	0.010	"							
Ethylbenzene	ND	0.005	"							
t-Butanol	ND	0.050	"							
Methyl tert-Butyl Ether	ND	0.005	"							
Di-Isopropyl Ether	ND	0.005	"							
Ethyl tert-Butyl Ether	ND	0.005	"							
tert-Amyl Methyl Ether	ND	0.005	"							

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Environmental Compliance Group, LLC	Project Number: GHA.19009	
270 Vintage Drive	Project Name: Shore Acres Gas	Work Order No.:
Turlock, CA 95382	Project Manager: Mike Sgourakis	L106053

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101071 - EPA 5030B										
Blank (L101071-BLK1)				Prepared & Analyzed: 06/30/11						
1,2-Dichloroethane	ND	0.005	mg/kg							
1,2-Dibromoethane (EDB)	ND	0.005	"							
LCS (L101071-BS1)				Prepared & Analyzed: 06/30/11						
Methyl tert-Butyl Ether	0.026	0.005	mg/kg	0.025		103	80-120			
LCS Dup (L101071-BSD1)				Prepared & Analyzed: 06/30/11						
Methyl tert-Butyl Ether	0.024	0.005	mg/kg	0.025		96	80-120	6	20	
Matrix Spike (L101071-MS1)		**Source: L106053-27**		Prepared & Analyzed: 06/30/11						
Toluene	0.024	0.005	mg/kg	0.025	ND	98	70-130			
Matrix Spike Dup (L101071-MSD1)		**Source: L106053-27**		Prepared & Analyzed: 06/30/11						
Toluene	0.026	0.005	mg/kg	0.025	ND	103	70-130	5	20	

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Environmental Compliance Group, LLC 270 Vintage Drive Turlock, CA 95382	Project Number: GHA.19009 Project Name: Shore Acres Gas Project Manager: Mike Sgourakis	Work Order No.: L106053

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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argon laboratories

01 July 2011

Mike Sgourakis
Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

RE: Shore Acres Gas Project Data

Enclosed are the results for sample(s) received on 06/23/11 16:25 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Argon Analytical Services, Inc.

2905 Railroad Ave Ceres, CA 95307
(209)581-9280 Fax (209)581-9282 info@argonlabs.com

CHAIN OF CUSTODY

1418

Project No.: GAA.19009
Project Title: Shore Acres
Location: 403 E. 12th St., Oakland CA

Sampler's Name: (print)
Sampler's Signature: [signature]

Consultant: ECG, LLC
Address:
Contact:
Phone:
Fax:

Bill To:
Client: ECG, LLC
Address:

☒ EDF Required

TURN AROUND TIME

RUSH	24 Hour	48 Hour	5-day Rush	Standard (10 days)
☐	☐	☐	☒	☐

Sample ID.	Date	Time	# Containers	Matrix	TPH-g 8015m	BTEX, 5 oxy, 1,2-DCA, EDB 8260										COMMENTS
MW-1	6/23/11	1231	4	water	X	X										
MW-2	↓	1000	↓	↓	↓	↓										
MW-3	↓	1210	↓	↓	↓	↓										
MW-4	↓	1050	↓	↓	↓	↓										
MW-5	↓	1135	↓	↓	↓	↓										
MW-6		1315														

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/23/11	1625	[signature]	6/23/11	16:25

SPECIAL INSTRUCTIONS:
Global ID # T0600174667

Argon Laboratories Sample Receipt Checklist

Client Name: Environmental Compliance Group Date & Time Received: 06/23/11 16:25

Project Name: Shore Acres Client Project Number: GHA.19009

Received By: DC Matrix: Water ☑ Soil ☐ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: L106054

Shipper Container in good condition?				Samples received in proper containers?	Yes ☑	No ☐	
N/A____	Yes ☑	No ☐		Samples received intact?	Yes ☑	No ☐	
Samples received under refrigeration?	Yes ☑	No ☐		Sufficient sample volume for requested tests?	Yes ☑	No ☐	
Chain of custody present?	Yes ☑	No ☐		Samples received within holding time?	Yes ☑	No ☐	
Chain of Custody signed by all parties?	Yes ☑	No ☐		Do samples contain proper preservative?	N/A ☐	Yes ☑	No ☐
Chain of Custody matches all sample labels?	Yes ☑	No ☐		Do VOA vials contain zero headspace? (None submitted ☐)	Yes ☑	No ☐	

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106054

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	L106054-01	Water	06/23/11 12:31	06/23/11 16:25
MW-2	L106054-02	Water	06/23/11 10:00	06/23/11 16:25
MW-3	L106054-03	Water	06/23/11 12:01	06/23/11 16:25
MW-4	L106054-04	Water	06/23/11 10:58	06/23/11 16:25
MW-5	L106054-05	Water	06/23/11 11:35	06/23/11 16:25
MW-6	L106054-06	Water	06/23/11 13:15	06/23/11 16:25

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Total Petroleum Hydrocarbons @ Diesel

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1 (L106054-01) Water Sampled: 23-Jun-11 12:31 Received: 23-Jun-11 16:25							
Diesel	ND	250	ug/L	5	27-Jun-11	EPA 8015Mod	
Surr. Rec.:		*100 %*			"	"	
MW-2 (L106054-02) Water Sampled: 23-Jun-11 10:00 Received: 23-Jun-11 16:25							
Diesel	ND	250	ug/L	5	27-Jun-11	EPA 8015Mod	
Surr. Rec.:		*99 %*			"	"	
MW-3 (L106054-03) Water Sampled: 23-Jun-11 12:01 Received: 23-Jun-11 16:25							
Diesel	ND	250	ug/L	5	27-Jun-11	EPA 8015Mod	
Surr. Rec.:		*93 %*			"	"	
MW-4 (L106054-04) Water Sampled: 23-Jun-11 10:58 Received: 23-Jun-11 16:25							
Diesel	ND	250	ug/L	5	27-Jun-11	EPA 8015Mod	
Surr. Rec.:		*95 %*			"	"	
MW-5 (L106054-05) Water Sampled: 23-Jun-11 11:35 Received: 23-Jun-11 16:25							
Diesel	ND	250	ug/L	5	27-Jun-11	EPA 8015Mod	
Surr. Rec.:		*101 %*			"	"	
MW-6 (L106054-06) Water Sampled: 23-Jun-11 13:15 Received: 23-Jun-11 16:25							
Diesel	ND	250	ug/L	5	27-Jun-11	EPA 8015Mod	
Surr. Rec.:		*96 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Total Petroleum Hydrocarbons @ Gasoline

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1 (L106054-01) Water Sampled: 23-Jun-11 12:31 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**23000**	1200	ug/L	25	29-Jun-11	8015M	
Surr. Rec.:		*114 %*			"	"	
MW-2 (L106054-02) Water Sampled: 23-Jun-11 10:00 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**13000**	500	ug/L	10	29-Jun-11	8015M	
Surr. Rec.:		*116 %*			"	"	
MW-3 (L106054-03) Water Sampled: 23-Jun-11 12:01 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**55000**	5000	ug/L	100	29-Jun-11	8015M	
Surr. Rec.:		*116 %*			"	"	
MW-4 (L106054-04) Water Sampled: 23-Jun-11 10:58 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**47000**	2500	ug/L	50	29-Jun-11	8015M	
Surr. Rec.:		*111 %*			"	"	
MW-5 (L106054-05) Water Sampled: 23-Jun-11 11:35 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**130000**	5000	ug/L	100	29-Jun-11	8015M	
Surr. Rec.:		*116 %*			"	"	
MW-6 (L106054-06) Water Sampled: 23-Jun-11 13:15 Received: 23-Jun-11 16:25							
Total Petroleum Hydrocarbons @ Gasoline	**11000**	500	ug/L	10	29-Jun-11	8015M	
Surr. Rec.:		*115 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-1 (L106054-01) Water Sampled: 23-Jun-11 12:31 Received: 23-Jun-11 16:25							
Benzene	**4500**	25	ug/L	50	30-Jun-11	8260B	
Toluene	**820**	25	"	"	"	"	
Xylenes, total	**3800**	50	"	"	"	"	
Ethylbenzene	**1700**	25	"	"	"	"	
t-Butanol	**3900**	250	"	"	"	"	
Methyl tert-Butyl Ether	**3000**	25	"	"	"	"	
Di-Isopropyl Ether	ND	25	"	"	"	"	
Ethyl tert-Butyl Ether	ND	25	"	"	"	"	
tert-Amyl Methyl Ether	ND	25	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	
Surr. Rec.:		*99 %*			"	"	
MW-2 (L106054-02) Water Sampled: 23-Jun-11 10:00 Received: 23-Jun-11 16:25							
Benzene	**1000**	10	ug/L	20	30-Jun-11	8260B	
Toluene	**160**	10	"	"	"	"	
Xylenes, total	**1600**	20	"	"	"	"	
Ethylbenzene	**370**	10	"	"	"	"	
t-Butanol	**640**	100	"	"	"	"	
Methyl tert-Butyl Ether	**240**	10	"	"	"	"	
Di-Isopropyl Ether	ND	10	"	"	"	"	
Ethyl tert-Butyl Ether	ND	10	"	"	"	"	
tert-Amyl Methyl Ether	ND	10	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	
Surr. Rec.:		*90 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-3 (L106054-03) Water Sampled: 23-Jun-11 12:01 Received: 23-Jun-11 16:25							
Benzene	**15000**	100	ug/L	200	30-Jun-11	8260B	
Toluene	**3600**	100	"	"	"	"	
Xylenes, total	**4300**	200	"	"	"	"	
Ethylbenzene	**2000**	100	"	"	"	"	
t-Butanol	**6400**	1000	"	"	"	"	
Methyl tert-Butyl Ether	**8200**	100	"	"	"	"	
Di-Isopropyl Ether	ND	100	"	"	"	"	
Ethyl tert-Butyl Ether	ND	100	"	"	"	"	
tert-Amyl Methyl Ether	ND	100	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	
Surr. Rec.:		*102 %*			"	"	
MW-4 (L106054-04) Water Sampled: 23-Jun-11 10:58 Received: 23-Jun-11 16:25							
Benzene	**3500**	50	ug/L	100	30-Jun-11	8260B	
Toluene	**7100**	50	"	"	"	"	
Xylenes, total	**11000**	100	"	"	"	"	
Ethylbenzene	**2300**	50	"	"	"	"	
t-Butanol	ND	500	"	"	"	"	
Methyl tert-Butyl Ether	ND	50	"	"	"	"	
Di-Isopropyl Ether	ND	50	"	"	"	"	
Ethyl tert-Butyl Ether	ND	50	"	"	"	"	
tert-Amyl Methyl Ether	ND	50	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	
Surr. Rec.:		*97 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
MW-5 (L106054-05) Water Sampled: 23-Jun-11 11:35 Received: 23-Jun-11 16:25							
Benzene	**7100**	120	ug/L	250	30-Jun-11	8260B	
Toluene	**25000**	120	"	"	"	"	
Xylenes, total	**94000**	250	"	"	"	"	
Ethylbenzene	**13000**	120	"	"	"	"	
t-Butanol	ND	1200	"	"	"	"	
Methyl tert-Butyl Ether	**440**	120	"	"	"	"	
Di-Isopropyl Ether	ND	120	"	"	"	"	
Ethyl tert-Butyl Ether	ND	120	"	"	"	"	
tert-Amyl Methyl Ether	ND	120	"	"	"	"	
1,2-Dichloroethane	ND	120	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	120	"	"	"	"	
Surr. Rec.:		*77 %*			"	"	
MW-6 (L106054-06) Water Sampled: 23-Jun-11 13:15 Received: 23-Jun-11 16:25							
Benzene	**2400**	25	ug/L	50	30-Jun-11	8260B	
Toluene	**120**	25	"	"	"	"	
Xylenes, total	**840**	50	"	"	"	"	
Ethylbenzene	**480**	25	"	"	"	"	
t-Butanol	**4000**	250	"	"	"	"	
Methyl tert-Butyl Ether	**1100**	25	"	"	"	"	
Di-Isopropyl Ether	ND	25	"	"	"	"	
Ethyl tert-Butyl Ether	ND	25	"	"	"	"	
tert-Amyl Methyl Ether	ND	25	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	
Surr. Rec.:		*98 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Total Petroleum Hydrocarbons @ Diesel - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101074 - EPA 3510C										
Blank (L101074-BLK1)				Prepared & Analyzed: 06/27/11						
Surrogate: p-Terphenyl	*113*		*ug/L*	*100*		*113*	*70-130*			
Diesel	ND	50	"							
LCS (L101074-BS1)				Prepared & Analyzed: 06/27/11						
Diesel	202		ug/L	200		101	80-120			
LCS Dup (L101074-BSD1)				Prepared & Analyzed: 06/27/11						
Diesel	197		ug/L	200		98	80-120	3	20	
Matrix Spike (L101074-MS1)	**Source: L106059-02**			Prepared & Analyzed: 06/27/11						
Diesel	186		ug/L	200	ND	93	70-130			
Matrix Spike Dup (L101074-MSD1)	**Source: L106059-02**			Prepared & Analyzed: 06/27/11						
Diesel	194		ug/L	200	ND	97	70-130	4	20	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Total Petroleum Hydrocarbons @ Gasoline - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101073 - EPA 5030B										
Blank (L101073-BLK1)				Prepared & Analyzed: 06/29/11						
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/L*	*50*		*99*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	50	"							
LCS (L101073-BS1)				Prepared & Analyzed: 06/29/11						
Total Petroleum Hydrocarbons @ Gasoline	977		ug/L	1000		98	80-120			
LCS Dup (L101073-BSD1)				Prepared & Analyzed: 06/29/11						
Total Petroleum Hydrocarbons @ Gasoline	1050		ug/L	1000		105	80-120	7	20	
Matrix Spike (L101073-MS1)	**Source: L106065-11**			Prepared & Analyzed: 06/29/11						
Total Petroleum Hydrocarbons @ Gasoline	1090		ug/L	1000	ND	109	70-130			
Matrix Spike Dup (L101073-MSD1)	**Source: L106065-11**			Prepared & Analyzed: 06/29/11						
Total Petroleum Hydrocarbons @ Gasoline	1020		ug/L	1000	ND	102	70-130	6	20	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106054

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101072 - EPA 5030B										
Blank (L101072-BLK1)				Prepared & Analyzed: 06/30/11						
Surrogate: Fluorobenzene	*50.5*		*ug/L*	*50*		*101*	*70-130*			
Benzene	ND	0.5	"							
Toluene	ND	0.5	"							
Xylenes, total	ND	1.0	"							
Ethylbenzene	ND	0.5	"							
t-Butanol	ND	5.0	"							
Methyl tert-Butyl Ether	ND	0.5	"							
Di-Isopropyl Ether	ND	0.5	"							
Ethyl tert-Butyl Ether	ND	0.5	"							
tert-Amyl Methyl Ether	ND	0.5	"							
1,2-Dichloroethane	ND	0.5	"							
1,2-Dibromoethane (EDB)	ND	0.5	"							
LCS (L101072-BS1)				Prepared & Analyzed: 06/30/11						
Methyl tert-Butyl Ether	25.7		ug/L	25		103	80-120			
LCS Dup (L101072-BSD1)				Prepared & Analyzed: 06/30/11						
Methyl tert-Butyl Ether	24.1		ug/L	25		96	80-120	6	20	
Matrix Spike (L101072-MS1)		**Source: L106057-03**		Prepared & Analyzed: 06/30/11						
Toluene	25.8		ug/L	25	ND	103	70-130			
Matrix Spike Dup (L101072-MSD1)		**Source: L106057-03**		Prepared & Analyzed: 06/30/11						
Toluene	24.9		ug/L	25	ND	100	70-130	4	20	

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories 2905 Railroad Ave. Ceres, CA 95307 (209)581-9280 Fax (209)581-9282

Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106054

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

argon laboratories

12 July 2011

Mike Sgourakis
Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

RE: Shore Acres Gas Project Data

Enclosed are the results for sample(s) received on 06/28/11 17:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

Hiram Cueto
Lab Manager

2905 Railroad Avenue, Ceres, CA 95307 • Phone (209) 581-9280 • Fax (209) 581-9282
email: main@argonlabs.com

Argon Analytical Services, Inc.

2905 Railroad Ave Ceres, CA 95307
(209)581-9280 Fax (209)581-9282 info@argonlabs.com

CHAIN OF CUSTODY

1422

Project No: GHA.19009
Project Title: 403 E. 12th St.
Location: Oakland, CA

Sampler's Name: (print)
Sampler's Signature: Dan Van Alk

Consultant: ECG
Address:
Contact:
Phone:
Fax:

Bill To:
Client: ECG
Address:

☒ EDF Required

TURN AROUND TIME

RUSH	24 Hour	48 Hour	5-day Rush	Standard (10 days)
☐	☐	☐	☐	☒

ANALYSIS: TPHg, BTEX 5 Oxys, 1,2-DCA, EDB by 8260

Sample ID.	Date	Time	# Containers	Matrix	TPHg, BTEX 5 Oxys, 1,2-DCA, EDB by 8260	COMMENTS
MW-1	6/28/11	1405	3	water	X	
MW-2	↓	1410	↓	↓	X	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Dan Van Alk	6/28/11	1700	[signature] Cento	06/28/11	17:00

SPECIAL INSTRUCTIONS:

Argon Laboratories Sample Receipt Checklist

Client Name: Environmental Compliance Group Date & Time Received: 06/28/11 17:00

Project Name: Shore Acres Gas Client Project Number: GHA.19009

Received By: I.C. Matrix: Water ☑ Soil ☐ Sludge ☐

Sample Carrier: Client ☑ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: L106079

Shipper Container in good condition? N/A____	Yes ☑	No ☐		Samples received in proper containers?	Yes ☑	No ☐	
				Samples received intact?	Yes ☑	No ☐	
Samples received under refrigeration?	Yes ☑	No ☐		Sufficient sample volume for requested tests?	Yes ☑	No ☐	
Chain of custody present?	Yes ☑	No ☐		Samples received within holding time?	Yes ☑	No ☐	
Chain of Custody signed by all parties?	Yes ☑	No ☐		Do samples contain proper preservative? N/A ☐	Yes ☑	No ☐	
Chain of Custody matches all sample labels?	Yes ☑	No ☐		Do VOA vials contain zero headspace? (None submitted ☐)	Yes ☑	No ☐	

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:

♥ ♣ ♦ ♠

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106079

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VW-1	L106079-01	Water	06/28/11 14:05	06/28/11 17:00
VW-2	L106079-02	Water	06/28/11 14:10	06/28/11 17:00

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106079

TPH-gas & Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
VW-1 (L106079-01) Water Sampled: 28-Jun-11 14:05 Received: 28-Jun-11 17:00							
Total Petroleum Hydrocarbons @ Gasoline	**20000**	2500	ug/L	50	09-Jul-11	EPA 8260B	
Benzene	**2000**	25	"	"	"	"	
Toluene	**490**	25	"	"	"	"	
Xylenes, total	**2400**	50	"	"	"	"	
Ethyl Benzene	**1000**	25	"	"	"	"	
t-Butanol	**5300**	250	"	"	"	"	
Methyl tert-Butyl Ether	**1500**	25	"	"	"	"	
Di-Isopropyl Ether	ND	25	"	"	"	"	
Ethyl tert-Butyl Ether	ND	25	"	"	"	"	
tert-Amyl Methyl Ether	ND	25	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	
Surr. Rec.:		*84 %*			"	"	
VW-2 (L106079-02) Water Sampled: 28-Jun-11 14:10 Received: 28-Jun-11 17:00							
Total Petroleum Hydrocarbons @ Gasoline	**33000**	2500	ug/L	50	09-Jul-11	EPA 8260B	
Benzene	**3100**	25	"	"	"	"	
Toluene	**2000**	25	"	"	"	"	
Xylenes, total	**3500**	50	"	"	"	"	
Ethyl Benzene	**790**	25	"	"	"	"	
t-Butanol	**4100**	250	"	"	"	"	
Methyl tert-Butyl Ether	**670**	25	"	"	"	"	
Di-Isopropyl Ether	ND	25	"	"	"	"	
Ethyl tert-Butyl Ether	ND	25	"	"	"	"	
tert-Amyl Methyl Ether	ND	25	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	
Surr. Rec.:		*99 %*			"	"	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.: L106079

TPH-gas & Volatile Organic Compounds by GC/MS - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L101150 - EPA 5030B										
Blank (L101150-BLK1)				Prepared & Analyzed: 07/09/11						
Surrogate: Fluorobenzene	*44.5*		*ug/L*	*50*		*89*	*70-130*			
Total Petroleum Hydrocarbons @ Gasoline	ND	50	"							
Benzene	ND	0.5	"							
Toluene	ND	0.5	"							
Xylenes, total	ND	1.0	"							
Ethyl Benzene	ND	0.5	"							
t-Butanol	ND	5.0	"							
Methyl tert-Butyl Ether	ND	0.5	"							
Di-Isopropyl Ether	ND	0.5	"							
Ethyl tert-Butyl Ether	ND	0.5	"							
tert-Amyl Methyl Ether	ND	0.5	"							
1,2-Dichloroethane	ND	0.5	"							
1,2-Dibromoethane (EDB)	ND	0.5	"							
LCS (L101150-BS1)				Prepared & Analyzed: 07/09/11						
Methyl tert-Butyl Ether	23.3		ug/L	25		93	80-120			
LCS Dup (L101150-BSD1)				Prepared & Analyzed: 07/09/11						
Methyl tert-Butyl Ether	23.5		ug/L	25		94	80-120	0.9	20	
Matrix Spike (L101150-MS1)	**Source: L106076-01**			Prepared & Analyzed: 07/09/11						
Total Petroleum Hydrocarbons @ Gasoline	890		ug/L	1000	ND	89	70-130			
Matrix Spike Dup (L101150-MSD1)	**Source: L106076-01**			Prepared & Analyzed: 07/09/11						
Total Petroleum Hydrocarbons @ Gasoline	902		ug/L	1000	ND	90	70-130	1	20	

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Environmental Compliance Group, LLC
270 Vintage Drive
Turlock, CA 95382

Project Number: GHA.19009
Project Name: Shore Acres Gas
Project Manager: Mike Sgourakis

Work Order No.:
L106079

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Approved By

Argon Laboratories, Inc. California D.O.H.S. Cert. #2359

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID	TIME	DEPTH TO BOTTOM	DEPTH TO WATER	DEPTH TO PRODUCT	PRODUCT THICKNESS	PRODUCT THICKNESS X 0.8	COMMENTS
MW-1	0906	19.99	10.46				
MW-2	0916	20.03	10.70				
MW-3	0908	17.85	10.79				
MW-4	0914	19.05	10.62				
MW-5	0912	18.28	10.12				
MW-6	0904	19.50	10.43				

FIELD TECHNICIAN: DWA
DATE: 6/23/14

PURGE/DEVELOPMENT FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID: MW-1
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 19.99
Depth to Water: 10.46
Water Column Length: 9.53

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

9.53 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 9.75 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1211	2.5	7.03	18.0	2320			
1217	5.0	7.19	17.7	1762			
1223	7.5	7.04	17.9	1564			
1229	10	6.97	17.9	1575			
1231							sample

FIELD TECHNICIAN: DLA
DATE: 6/19/19

PURGE/DEVELOPMENT FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID: MW-2
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 20.03
Depth to Water: 10.70
Water Column Length: 9.33

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

9.33 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 9.5 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
0928	1.25	7.37	18.7	1470			
0932	2.5	7.83	18.4	1402			
0939	5.0	7.82	18.3	1384			
0945	7.5	7.31	18.1	1304			
0955	[illegible]	7.11	18.1	1236			
1200							sample

FIELD TECHNICIAN: DW
DATE: 6/27/14

PURGE/DEVELOPMENT FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID: MW-3
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 17.85
Depth to Water: 10.79
Water Column Length: 7.06

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

7.06 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 7.2 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1143	2.0	7.09	18.0	2010			
1147	3.75	7.22	17.7	2369			
1152	5.5	6.99	17.8	1987			
1157	7.25	6.91	17.8	1917			
1201							sample

FIELD TECHNICIAN: JMT
DATE: 6/19/14

PURGE/DEVELOPMENT FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID: MW-4
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 19.05
Depth to Water: 10.62
Water Column Length: 8.43

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

8.43	x	0.17	x	6	=	8.6
Water Column Length		Multiplier		No. Volumes		Purge Volume

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1041	2.25	7.06	19.5	2280			
1044	4.5	7.40	19.4	1745			
1048	6.75	7.70	19.5	1716			
1053	9.0	7.38	19.5	1504			
1058							sample

FIELD TECHNICIAN: DM
DATE: 6/23/11

PURGE/DEVELOPMENT FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID: MW-5
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 18.20
Depth to Water: 10.12
Water Column Length: 8.16

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

8.16 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 8.35 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1115	2.25	7.39	19.7	1640			
1119	4.5	7.68	19.8	1637			
1126	6.5	7.13	19.6	1634			
1131	8.5	7.03	19.5	1624			
1135							sample

FIELD TECHNICIAN: DW
DATE: 6/2/14

PURGE/DEVELOPMENT FORM

PROJECT NAME: Shore Acres Gas
PROJECT NUMBER: GHA.19009
PROJECT MANAGER: ms
TASK NUMBER:
SITE ADDRESS: 403 East 12th Street, Oakland, CA

WELL ID: MW-6
TYPE OF WELL: Monitoring

WATER COLUMN DATA: (feet)
Well Total Depth: 19.50
Depth to Water: 10.43
Water Column Length: 9.07

WELL DIAMETER:
2-inch: ✓
4-inch:
6-inch:

PURGE VOLUME CALCULATION:
Water Column Length x Multiplier x No. Volumes = Purge Volume

9.07 (Water Column Length) x 0.17 (Multiplier) x 6 (No. Volumes) = 9.25 (Purge Volume)

MULTIPLIER DATA:
Multiplier for Schedule 40 PVC; Gallons/Linear Foot Based on Casing Diameter:
2-inch: 0.17
4-inch: 0.65
6-inch: 1.5

PURGE METHOD:
Disposable Bailer: ✓
PVC Bailer:
Submersible Pump:
Other:

SAMPLE METHOD:
Disposable Bailer: ✓
Pump:
Other:

TIME	VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (uS/cm)	DO (mg/l)	ORP (mV)	COMMENTS
1249	2.5	7.02	18.1	2340			
1256	5.0	7.17	18.1	1761			
1303	7.5	6.94	17.9	1635			
1309	10.2	6.91	17.9	1130			
1315							sample

FIELD TECHNICIAN: DM
DATE: 6/22/14