Eco & Associates, Inc. • 1855 W. Katella Ave., Suite 340 • Orange, CA • 92867 • phone: (714) 289-0995 • fax: (714) 289-0965

Environmental Excellence

September 7, 2011

Dr. Masood Hosseini
Project Manager
The Gas Company
555 W. Fifth Street
Los Angeles, California 90013-1036

SUBJECT: Submittal of Final Remediation Closure Report for Sump 2 Aliso Canyon Storage Facility, Northridge, CA

Dear Dr. Hosseini:

Please find enclosed one hard copy and 1 copy on CD-ROM in PDF of the Final Remediation Closure Report – Sump 2, located at the Aliso Canyon Storage Facility of the Southern California Gas Company (SCG), 12801 Tampa Avenue, Northridge, California. This report is prepared by Eco & Associates, Inc. for your records.

If you have any questions or concerns, please contact the undersigned at (714) 289-0995.

Sincerely,
Eco & Associates, Inc.

Mohammad Estiri, Ph.D.
Project Director

cc: Mr. Eric Lindgreen, SCG, Northridge,CA

REMEDIATION CLOSURE REPORT – SUMP 2

•FINAL•

Aliso Canyon Gas Storage Facility
12801 Tampa Avenue
Northridge, California 91326

Prepared for:
Southern California Gas Company
555 W. Fifth Street
Los Angeles, California 90013

Prepared by:
Eco & Associates, Inc.
1855 W. Katella Avenue, Ste. 340
Orange, California 92867
Phone: (714) 289-0995
Fax: (714) 289-0965

Environmental Excellence

REMEDIATION CLOSURE REPORT – SUMP 2

•FINAL•

Aliso Canyon Gas Storage Facility
12801 Tampa Avenue
Northridge, California 91326

Prepared for:

Southern California Gas Company
555 W. Fifth Street
Los Angeles, California 90013

Prepared by:

Eco & Associates, Inc.
1855 W. Katella Avenue, Ste. 340
Orange, California 92867

Quin Kinnebrew, CEG, REA II
Project Geologist

Mohammad Estiri, PhD
Project Director

Carlos Hernandez
Project Scientist

September 7, 2011

Project No. Eco-05-205.2

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

ABRREVIATIONS & ACRONYMS

AETL	American Environmental Testing Laboratory, Inc.
AQMD	Air Quality Management District
bgs	below ground surface
Eco	Eco & Associates, Inc.
El Capitan	El Capitan Environmental Services
ENV	ENV America Incorporated
EPA	U.S. Environmental Protection Agency
GSI	Geotechnical Solutions, Inc.
HSP	Health and Safety Plan
J	analyte concentration is below the method reporting limit and above the detection limit.
mg/kg	milligrams per kilogram
PID	photo-ionization detector
ppm	parts per million
RWQCB	Regional Water Quality Control Board
SCG	Southern California Gas Company
TPH	total petroleum hydrocarbons
TPST	TPST Soil Recycler
VOC	volatile organic compound

REMEDIATION CLOSURE REPORT – SUMP 2

•FINAL•

Aliso Canyon Gas Storage Facility
12801 Tampa Avenue
Northridge, California 91326

1.0 INTRODUCTION

Eco & Associates, Inc. (Eco) was contracted by the Southern California Gas Company (SCG) to oversee the removal of impacted soil from an abandoned oil field sump in their Aliso Canyon Gas Storage Facility (hereafter, "Site"). This sump, referred to as Sump 2, was located within the west-central portion of the gas storage facility.

In 1998, ENV America Incorporated (ENV) performed an investigation within the SCG facility that included Sump 2 (ENV 1998). ENV confirmed the presence of Sump 2 through a review of historical aerial photographs and by trenching. The sump was estimated to occupy an area of approximately 80 feet by 100 feet and extend to a depth of more than 18 feet below ground surface (bgs) at the deepest depth investigated. Five exploratory trenches (Tl, T2, T3, T4, and TS) were excavated at Sump 2; several samples were analyzed. The upper 4.5 feet of material was noted to consist of unstained fill soils with scattered debris. This surficial material was underlain by stained soil and drilling mud. Two samples (in one of their exploratory trenches from a depth of 15 feet bgs) contained concentrations of total petroleum hydrocarbons (TPH) (C13 to C23 range) of 12,220 milligrams per kilogram (mg/kg) and 25,900 mg/kg, which are greater than the Regional Water Quality Control Board (RWQCB) cleanup level of 1,000 mg/kg. A collected soil sample from another trench was reported with a TPH (C13 to C23 range) concentration of 21,700 mg/kg, also above the RWQCB screening level.

Based on the results of ENV's study, remediation of Sump 2 was recommended. Soils containing contaminant concentrations greater than RWQCB cleanup levels would be targeted for removal.

The RWQCB cleanup levels are as follows:

- TPH in the C4-C12 range – 100 mg/kg
- TPH in the C13-C22 range – 1,000 mg/kg
- TPH in the C23-C40 range – 10,000 mg/kg

The following sections provide a review of Sump 2 and the remedial action conducted there in late 2010.

2.0 SITE LOCATION AND DESCRIPTION

The Aliso Canyon Gas Storage Facility has a formal address of 12801 Tampa Avenue, Northridge, California (Figure 1). It is located immediately north of the community of Northridge in predominantly undeveloped hillside terrain in an unincorporated territory of Los Angeles County. The storage facility, currently owned and operated by SCG, was developed for oil production in the 1940s. The facility has been used for oil production and gas storage since that time. Privately owned paved and unpaved access roads traverse throughout the facility. Improvements to the facility include oil and gas wells, a natural gas compressor station, aboveground and underground piping, aboveground storage tanks, office buildings, and other ancillary facilities of the oil and gas operation.

Sump 2 is located approximately 340 feet northeast of Standard Sesnon well No. 21 and approximately 340 feet west-northwest of Porter Sesnon well No. 42 (Figure 2). Prior to remedial activities, Sump 2 was located within a relatively level area covered with soil and a relatively light growth of vegetation. This leveled area is adjoined by descending slopes on its eastern, southern, and western sides. An access road is located immediately north of this leveled area. Aboveground pipelines traverse along the southern side of the roadway, or along the northern side of the leveled pad. A concrete pad containing pumps and pipelines is located on the northern side of the leveled area. A covered electrical panel is located on the southern side of this concrete pad.

3.0 SOIL REMEDIATION

Prior to the start of remedial activities, an Operations Plan and Site Specific Health and Safety Plan (HSP) were prepared by El Capitan Environmental Services (El Capitan) and submitted to SCG for review and comment (El Capitan 2010a and 2010b). The Operations Plan described the approach for remediation of on-Site impacted soil. The Operation Plan and HSP were reviewed and approved by the SCG prior to the start of remedial activities.

All remedial operations performed between October 11 and December 30, 2010 were managed by El Capitan. Eco provided oversight of the remedial activities. Soil excavation was conducted using an excavator and a loader. A review of the remedial activities is provided in the following sections. Eco's logs of the daily field activities are provided in Appendix A.

3.1 SUMP 2 SOIL REMOVAL

The excavation of impacted soil within Sump 2 took place between October 11 and November 19, 2010. During this period, a total of 9,725.08 tons of impacted soil were removed from this sump. The final excavation covered approximately 13,060 square feet of area (Figure 3). Its depth varied between 26 and 31 feet.

The sump materials were generally comprised of drilling mud (clayey soil) and soil cuttings stained with petroleum hydrocarbons. Drilling mud was generally found between at least 15 and 31 feet bgs. The soils immediately overlying the drilling mud were heavily stained with oil. Free product (oil) was encountered locally within the sump between the surface and

depths of approximately 25 feet. Trash, such as vehicle tires, construction materials, and metal debris was also encountered locally between the surface and at least 25 feet.

Portions of the soil covering Sump 2 were noted to be relatively free of petroleum hydrocarbon impacts (no apparent staining or odors). This material was excavated and stockpiled on a leveled pad east of Sump 2. Three representative composite samples (Stockpile 1E, 1C, and 1W) were collected from this stockpile and submitted for TPH and volatile organic compound (VOC) analyses. The results of these analyses are summarized on Tables 1 and 2. As noted on Table 1, trace diesel and heavy oil-range petroleum hydrocarbons were detected, but at concentrations well below the cleanup levels. VOCs were not detected in these collected soil samples.

Representative soil samples of sump materials were periodically collected during excavation activities. These collected soil samples (six total) were analyzed for TPH and VOCs. The results of these analyses are summarized in Tables 1 and 2. As noted on Table 1, the reported TPH concentrations exceeded cleanup goals in four of the six soil samples. Elevated VOC concentrations were reported in five of these samples (Table 2).

During remedial activities, the excavated impacted soil (stained and odorous) was stockpiled immediately north of the excavation's western portion. It was loaded onto trucks immediately north of the excavation's eastern portion. Stockpiled soil was loaded daily onto trucks for transport to the recycling facility. Any remaining stockpiled soil was covered with plastic at the end of each day.

Dust and VOC suppression was conducted during excavation activities using water from one of two hydrants located immediately adjacent to Sump 2. Elevated VOC concentrations (photo-ionization detector [PID] readings greater than 50 parts per million [ppm]) were not measured during remedial activities. Note that PID measurements were not collected during periods of rain. Recorded PID measurements are provided in the Soil Monitoring Records (Appendix B).

3.2 WASTE SOIL TRANSPORTATION

A total of 388 truckloads of impacted soil were transported to TPST Soil Recycler (TPST) for disposal. Waste removal documents from TPST are provided in Appendix C. As indicated above, trucks used for the off-Site transportation of impacted soil were loaded immediately adjacent to the sump. The soil in each truck was covered with tarps prior to leaving the Site.

3.3 CONFIRMATION SAMPLING AND ANALYSIS

Prior to backfilling, 59 confirmation soil samples were collected from the bottom and sidewalls of the Sump 2 excavation. The locations of these samples are shown on Figure 3. Forty-four soil samples were collected from the excavation's sidewalls, and fifteen soil samples were collected from the excavation's bottom. These collected soil samples were delivered to American Environmental Testing Laboratory, Inc. (AETL) and analyzed for TPH and VOCs using EPA Methods 8015 (carbon chain) and 8260B, respectively. A summary of these results is provided in Tables 1 and 2. The associated laboratory reports are provided in Appendix D.

As noted in Table 1, gasoline-range petroleum hydrocarbons (C4-C12) were reported at trace concentrations (0.104J to 0.481J mg/kg) in four collected confirmation samples. These reported concentrations do not exceed the cleanup level of 100 mg/kg for gasoline-grange petroleum hydrocarbons. Diesel-range petroleum hydrocarbons (C13-C22) were reported in 30 collected confirmation samples at concentrations ranging between 5.83 and 396 mg/kg. The reported diesel-range concentrations are less than the cleanup level of 1,000 mg/kg. Heavy oil-range petroleum hydrocarbons (C23-C40) were reported in 48 collected confirmation samples at concentrations between 2.18J and 3,990 mg/kg. The reported heavy oil-range concentrations are less than the cleanup level of 10,000 mg/kg. Petroleum hydrocarbons were not reported in the confirmation soil samples at concentrations that exceed established cleanup levels.

None of the collected confirmation soil samples from Sump 2 were reported with detectable VOC concentrations (Table 2).

3.4 BACKFILL

Backfill and grading of Sump 2 took place between November 23 and December 30, 2010. Stockpiled overburden soil generated from Sump 2 excavation activities was initially used for backfilling. Representative soil samples collected from this stockpile indicated that it was free of impacts and suitable as fill at Sump 2.

The remaining backfill soil was obtained from a borrow source located approximately 3,500 feet east of Sump 2 (within the SCG facility). This soil, silty sand in nature, was derived from a near-vicinity hillside. A representative composite soil sample from this borrow area was submitted for analysis to verify its suitability as fill. This soil was reported with trace petroleum hydrocarbon concentrations and no detectable VOCs (Tables 1 and 2). The reported TPH concentrations were well below the cleanup goals. Metal concentrations in this soil sample were below or near anticipated background levels.

One to three 10-wheel dump trucks were used to transport the soil from the Sump 2 stockpile and the SCG borrow area. El Capitan maintained loaders at the borrow areas and Sump 2 during backfilling activities.

Geotechnical Solutions, Inc. (GSI) performed soil density testing during backfilling activities. Density tests were performed approximately every two vertical feet as the fill was being brought up. A copy of the soil compaction testing report is provided as Appendix E. As noted in this report, the measured soil densities ranged between 90 and 98 percent.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Eco was contracted by SCG to oversee the removal of impacted soil from an abandoned oil field sump (Sump 2) located within the west-central portion of their Aliso Canyon gas storage facility. A soil investigation conducted by ENV revealed the presence of elevated petroleum hydrocarbon concentrations within this sump. Representative soil samples collected from this sump during remedial activities also confirmed the presence of elevated TPH and VOC concentrations. Soil containing concentrations greater than established cleanup levels was targeted for removal.

A total of 9,725.08 tons (388 truckloads) of impacted soil were removed from Sump 2 between October 11 and November 19, 2010. Based on a review of the excavated areas and results of the confirmation soil sample analyses, impacted soil at this former sump location has been successfully removed. Further soil investigations and/or remedial activities are not considered warranted, nor are they recommended for the Sump 2 area.

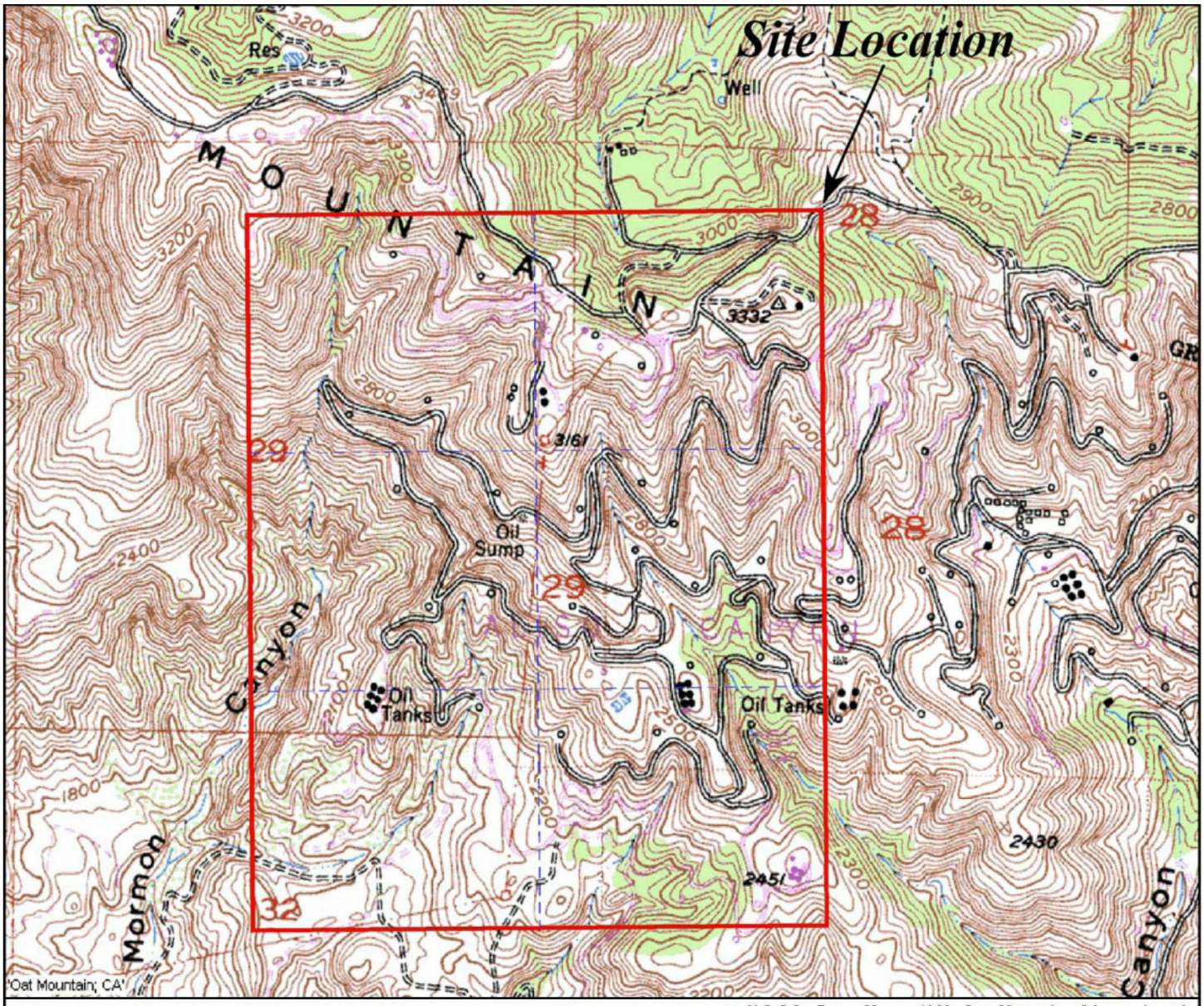
5.0 REFERENCES

El Capitan Environmental Services, 2010a. *Operations Plan for Aliso Canyon Gas Storage Facility Sump 2 Soil Remediation, 12801 Tampa Avenue, Northridge, CA 91326*; dated September 2010.

_____, 2010b. *Site Specific Health and Safety Plan for Aliso Canyon Gas Storage Facility Sump 2 Soil Remediation, 12801 Tampa Avenue, Northridge, CA 91326*; dated September 2010.

ENV America Incorporated, 1998. *Addendum Report – Sump and Tank Farm Investigations, Aliso Canyon Storage Facility, Northridge, California*; dated October 6, 1998.

FIGURES



U.S.G.S. Base Map: 1969 Oat Mountain, CA quadrangle

Approximate Scale:

0 1,500 3,000 feet

N
W E
S

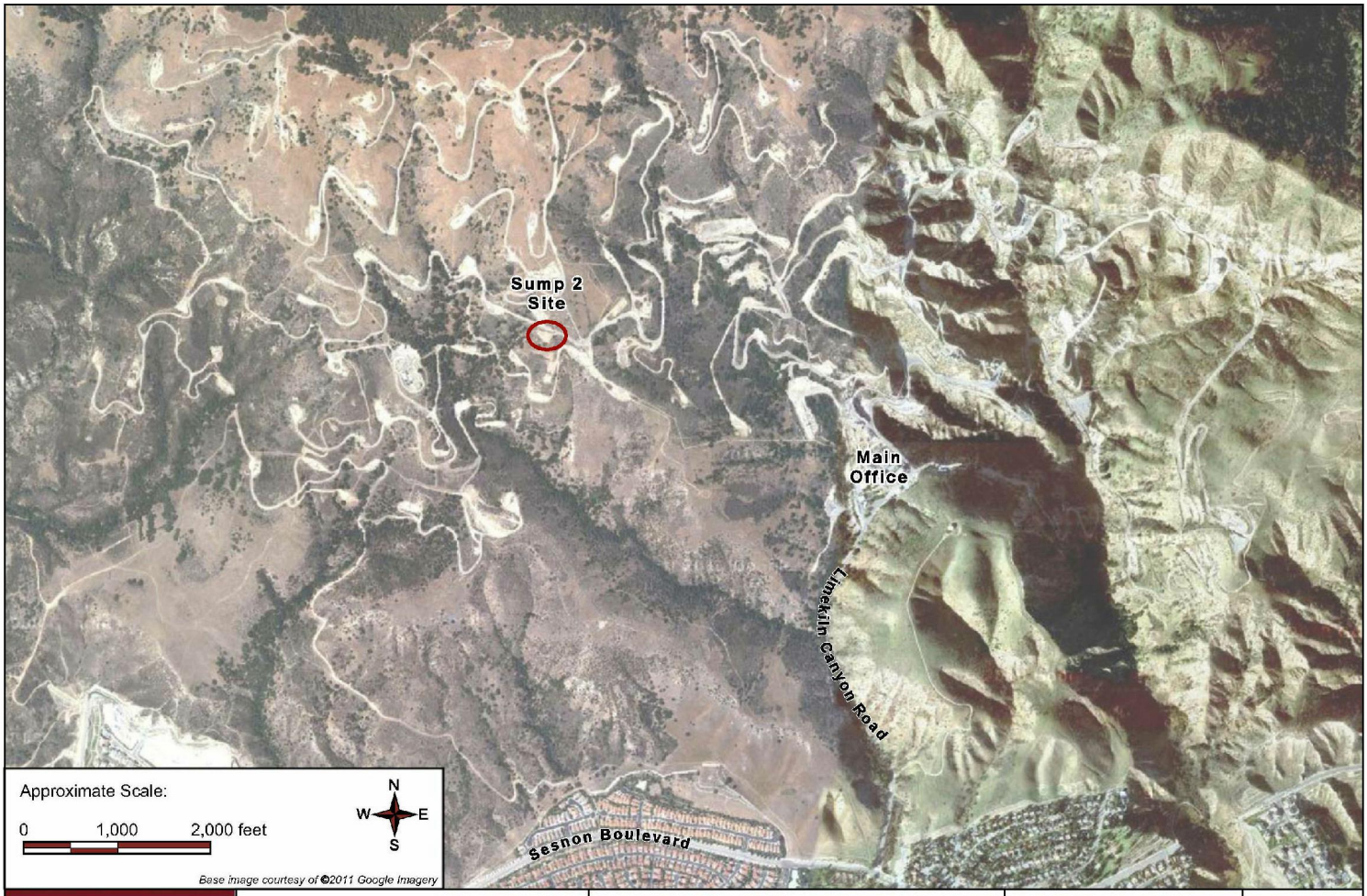
Environmental Excellence

Eco & Associates, Inc.
1855 W. Katella Avenue, Suite 340
Orange, California 92867
Phone: 714.289.0995 Fax: 714.289.0965

SITE LOCATION MAP
Aliso Canyon Storage Field
Northridge, California

Project No.: Eco-05-205.2 | Dated September 2011

FIGURE 1



Environmental Excellence

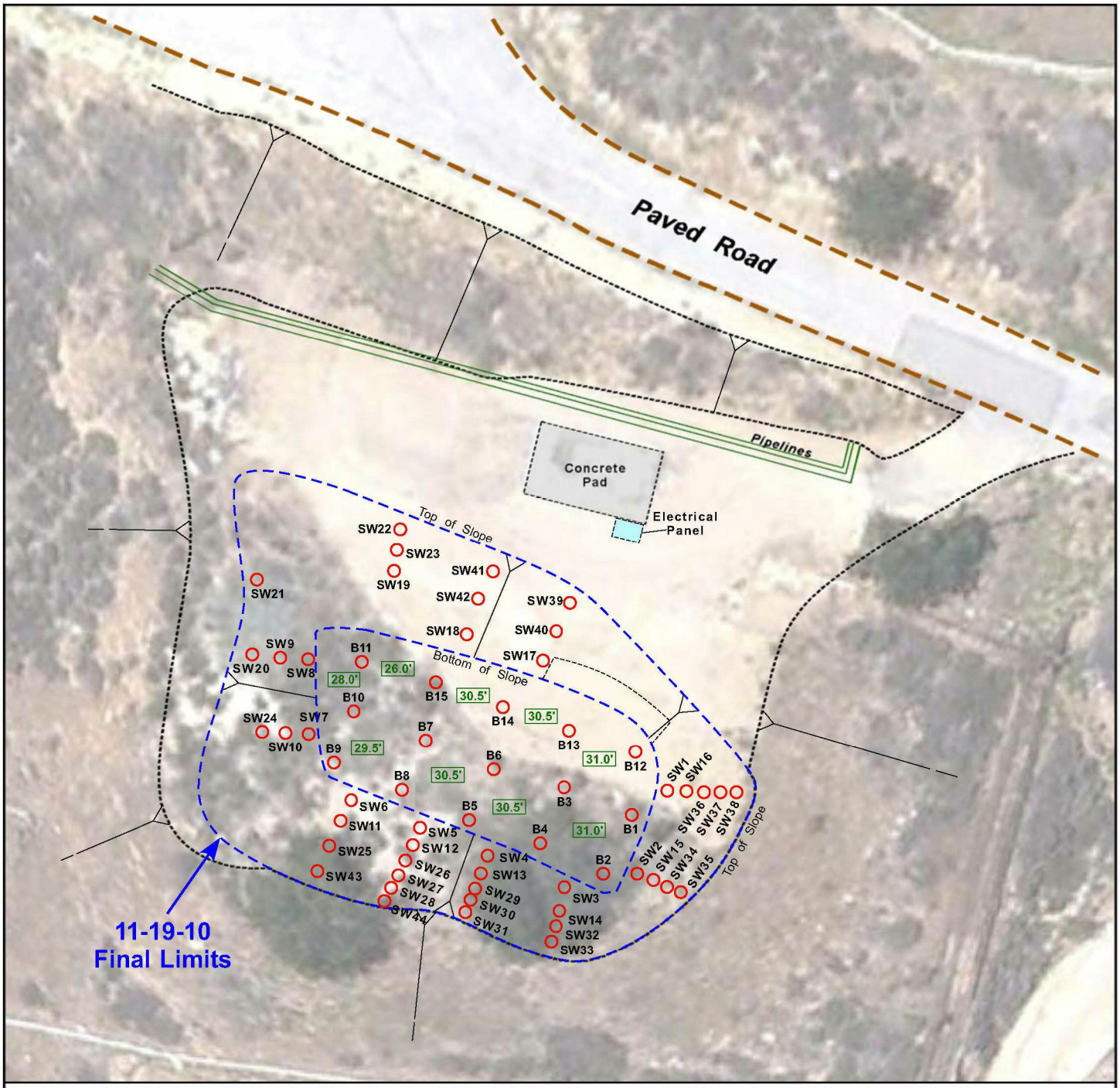
Eco & Associates, Inc.
1855 W. Katella Avenue, Suite 340
Orange, California 92867
Phone: 714.289.0995 Fax: 714.289.0965

SUMP 2 LOCATION MAP
Aliso Canyon Storage Facility
Northridge, California

PROJECT NO: Eco-05-205.2

DATED September 2011

FIGURE
2



Approximate Scale:

0 20 40 feet

LEGEND:

B#	Bottom sample
SW#	Side Wall sample
○	Confirmation soil sample
15.5'	Excavation depth

N
W E
S

Environmental Excellence

Eco & Associates, Inc.
1855 W. Katella Avenue, Suite 340
Orange, California 92867
Phone: 714.289.0995 Fax: 714.289.0965

SUMP 2 REMEDIAL LIMITS
Aliso Canyon Storage Facility
Northridge, California

Project No.: Eco-05-205.2 | Dated September 2011

FIGURE 3

TABLES

TABLE 1

Summary of Soil Analytical Results for Sump 2 - TPH
Aliso Canyon Gas Storage Facility
12801 Tampa Avenue, Northridge, CA 91326

TPH Range:		Gasoline and Light Hydrocarbons (C4-C12)	Diesel (C13-C22)	Heavy Hydrocarbons (C23-C40)	Total Diesel and Heavy Hydrocarbons (C13-C40)
Sample ID	Sample Date	mg/kg			
Overburden Samples					
Stockpile 1E	11/10/10	ND<0.100	**13.9**	**99.5**	**113**
Stockpile 1C	11/10/10	ND<0.100	**54.0**	**437**	**491**
Stockpile 1W	11/10/10	ND<0.100	**86.4**	**595**	**681**
Representative Sump Samples					
Sump2-TP1a	10/11/10	**59.3**	**1,540**	**1,550**	**3,090**
Sump2-TP1b	10/11/10	ND<0.100	**152**	**1,600**	**1,750**
Sump2-TP2a	10/20/10	**70.1**	**9,490**	**18,100**	**27,600**
Sump2-TP2b	10/20/10	**28.4**	**88.2**	**436**	**524**
Sump2-Clay1	11/12/10	**501**	**2,680**	**1,810**	**4,490**
Sump2-Clay2	11/12/10	**860**	**3,250**	**1,750**	**5,000**
Confirmation Samples					
CS-B1	11/9/10	ND<0.100	ND<1.0	**29.1**	**29.1**
CS-B2	11/9/10	ND<0.100	ND<1.0	**61.9**	**61.9**
CS-B3	11/9/10	**0.366J**	ND<1.0	**8.77**	**8.77**
CS-B4	11/9/10	**0.104J**	ND<1.0	**3.22J**	**3.22J**
CS-B5	11/9/10	ND<0.100	ND<1.0	**33.6**	**33.6**
CS-B6	11/12/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-B7	11/12/10	ND<0.100	**43.7**	**151**	**195**
CS-B8	11/12/10	ND<0.100	**14.0**	**217**	**231**
CS-B9	11/12/10	ND<0.100	ND<1.0	**3.62J**	**3.62J**
CS-B10	11/12/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-B11	11/15/10	ND<0.100	ND<1.0	**98.9**	**98.9**
CS-B12	11/19/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-B13	11/19/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-B14	11/19/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-B15	11/19/10	ND<0.100	ND<1.0	**132**	**132**
CS-SW1	11/9/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-SW2	11/9/10	ND<0.100	ND<1.0	**5.89**	**5.89**
CS-SW3	11/9/10	ND<0.100	ND<1.0	**36.7**	**36.7**
CS-SW4	11/9/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-SW5	11/12/10	**0.166J**	**8.69**	**74.4**	**83.1**
CS-SW6	11/12/10	ND<0.100	**42.0**	**451**	**493**
CS-SW7	11/12/10	**0.481J**	**93.2**	**286**	**379**
CS-SW8	11/15/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-SW9	11/15/10	ND<0.100	**45.7**	**369**	**415**
CS-SW10	11/15/10	ND<0.100	ND<1.0	**39.7**	**39.7**
CS-SW11	11/15/10	ND<0.100	**22.0**	**215**	**237**
CS-SW12	11/15/10	ND<0.100	**156**	**492**	**648**
CS-SW13	11/15/10	ND<0.100	**346**	**492**	**720**
CS-SW14	11/23/10	ND<0.100	ND<1.0	**5.90**	**5.90**
CS-SW15	11/23/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-SW16	11/23/10	ND<0.100	ND<1.0	**2.18J**	**2.18J**
CS-SW17	11/23/10	ND<0.100	**369**	**3,990**	**4,360**
CS-SW18	11/23/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0
CS-SW19	11/23/10	ND<0.100	ND<1.0	**29.4**	**29.4**
CS-SW20	11/23/10	ND<0.100	**20.1**	**96.1**	**116**
CS-SW21	11/23/10	ND<0.100	ND<1.0	ND<1.0	ND<1.0

TABLE 1

Summary of Soil Analytical Results for Sump 2 - TPH
Aliso Canyon Gas Storage Facility
12801 Tampa Avenue, Northridge, CA 91326

TPH Range:		Gasoline and Light Hydrocarbons (C4-C12)	Diesel (C13-C22)	Heavy Hydrocarbons (C23-C40)	Total Diesel and Heavy Hydrocarbons (C13-C40)
Sample ID	Sample Date	mg/kg			
CS-SW22	11/30/10	ND<0.100	ND<1.0	**17.5**	**17.5**
CS-SW23	11/30/10	ND<0.100	ND<1.0	**29.1**	**29.1**
CS-SW24	11/30/10	ND<0.100	ND<1.0	**68.6**	**68.6**
CS-SW25	11/30/10	ND<0.100	**105**	**1,130**	**1,240**
CS-SW26	11/30/10	ND<0.100	**53.0**	**533**	**586**
CS-SW27	11/30/10	ND<0.100	**21.1**	**268**	**289**
CS-SW28	11/30/10	ND<0.100	**87.0**	**496**	**583**
CS-SW29	11/30/10	ND<0.100	ND<1.0	**100**	**100**
CS-SW30	11/30/10	ND<0.100	**396**	**2,490**	**2,890**
CS-SW31	11/30/10	ND<0.100	**20.1**	**280**	**300**
CS-SW32	11/30/10	ND<0.100	**196**	**1,890**	**2,090**
CS-SW33	11/30/10	ND<0.100	**116**	**1,180**	**1,300**
CS-SW34	11/30/10	ND<0.100	**60.7**	**646**	**707**
CS-SW35	11/30/10	ND<0.100	**112**	**1,170**	**1,280**
CS-SW36	11/30/10	ND<0.100	**15.2**	**186**	**201**
CS-SW37	11/30/10	ND<0.100	**60.0**	**468**	**528**
CS-SW38	11/30/10	ND<0.100	**31.5**	**265**	**297**
CS-SW39	12/7/10	ND<0.100	**35.0**	**310**	**345**
CS-SW40	12/7/10	ND<0.100	**15.8**	**133**	**149**
CS-SW41	12/7/10	ND<0.100	**22.1**	**311**	**333**
CS-SW42	12/7/10	ND<0.100	**5.83**	**136**	**142**
CS-SW43	12/7/10	ND<0.100	**126**	**1,200**	**1,330**
CS-SW44	12/7/10	ND<0.100	**19.7**	**189**	**209**
Borrow Source (Backfill) Sample					
Stockpile P-50	10/12/10	ND<0.100	**21.7**	**119**	**141**
Remedial Action Limits:		100	1,000	10,000	

Notes:
TPH = total petroleum hydrocarbons.
mg/kg = milligrams per kilogram.
ND<X = constituent(s) not detected at or above the method detection limit (MDL) cited.
J = analyte was detected. However, the concentration is an estimated value that is between the MDLand the practical quantitation limit.

EPA Testing Method 8015; Analysis performed by American Environmental Testing Laboratory, Inc.

TABLE 2

Summary of Soil Analytical Results for Sump 2 - Volatile Organic Compounds

Aliso Canyon Gas Storage Facility
12801 Tampa Avenue, Northridge, CA 91326

Analytes:		Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	P-Isopropylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	o-Xylene	m,p-Xylene
Sample ID	Sample Date	µg/kg												
Overburden Samples														
Stockpile 1E	11/10/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Stockpile 1C	11/10/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Stockpile 1W	11/10/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Representative Sump Samples														
Sump2-TP1a	10/11/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	**985**	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Sump2-TP1b	10/11/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Sump2-TP2a	10/20/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	**1,710**	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Sump2-TP2b	10/20/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	**1,220**	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Sump2-Clay1	11/12/10	**193**	**825**	**426**	**1,670**	**515**	**505**	**4,070**	**780**	**1,080**	**4,220**	**2,200**	**2,250**	**5,250**
Sump2-Clay2	11/12/10	**230**	**1,840**	**880**	**4,470**	**1,440**	**1,220**	**9,850**	**2,090**	ND<5	**10,600**	**5,700**	**1,240**	**8,000**
Confirmation Samples														
CS-B1	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B2	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B3	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B4	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B5	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B6	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B7	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B8	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B9	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B10	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B11	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B12	11/19/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B13	11/19/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B14	11/19/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-B15	11/19/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW1	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW2	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW3	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW4	11/9/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW5	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW6	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW7	11/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW8	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW9	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW10	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW11	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW12	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW13	11/15/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW14	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW15	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW16	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1

TABLE 2

Summary of Soil Analytical Results for Sump 2 - Volatile Organic Compounds
Aliso Canyon Gas Storage Facility
12801 Tampa Avenue, Northridge, CA 91326

Analytes:		Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	P-Isopropylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	o-Xylene	m,p-Xylene
Sample ID	Sample Date	µg/kg												
CS-SW17	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW18	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW19	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW20	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW21	11/23/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW22	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW23	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW24	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW25	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW26	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW27	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW28	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW29	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW30	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW31	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW32	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW33	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW34	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW35	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW36	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW37	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW38	11/30/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW39	12/7/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW40	12/7/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW41	12/7/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW42	12/7/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW43	12/7/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
CS-SW44	12/7/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1
Borrow Source (Backfill) Sample														
Stockpile P-50	10/12/10	ND<1	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<1	ND<1

Notes:
µg/kg = micrograms per kilogram.
ND<X = constituent(s) not detected at or above the method detection limit cited.

EPA Method 8260B; Analysis performed by American Environmental Testing Laboratory, Inc.

APPENDIX A

DAILY FIELD LOGS

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 1
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10·11·10
DESCRIPTION: Sump removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION:

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0652				
Ed Claghlasi	[illegible]	El Capitan	Foreman	06:30				
Lazaro Quinonez	L.Q.	El Capitan	Labor	06:30				
Javier Gomez	J.G	El Capitan	Operator	06:30				
Jonathan Gonzalez	J.G	El Capitan	Labor	6:30				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Eric Lundgreen	EC	SCG	0834	0850				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Track hoe			
Loader			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0632	Arrive @ front gate & obtain pass. Then meet w/ Eric Lundgreen to discuss daily activities & obtain radio.
0652	Arrive @ Sump 2. El Capitan is in process of setting up perimeter fencing
0710	Health & Safety meeting held. Discussed purpose of work, planned activities, contaminants, high pressure gas lines (above ground adjoining work area) traffic/driving safety, truck routes, employee parking areas, etc.
0725	Fencing installation resumes & finishes shortly thereafter
0728	Loader works on leveling entry way into site. Grate added ~(Dig alert No: A028109447)~ to entry way (shaker plates to remove soil from vehicle tires) More fencing added along above ground gas pipelines. The fence is intended to keep vehicles away from pipes (5' separation).
0811	fence construction complete. Track hoe being used by EC to put hole around sump.
0933	Test pit 1 = 11.5' deep. Debris & oil impacted soil on side walls & bottom. EC stops to review work
0850	Test pit 1 @ ~15'. Oil-impacted soil remains on bottom. OK & EC decide not to excavate additional test pits.
1100	QA collects 2 samples from Test Pit (Sump-2 TP-1a (0904) & Sump-2 TP-1b (0907))

(Use additional sheets as needed.)

oily

relatively clean

0900	Onsite personnel drop off pressure regulator for fire hydrant. Water lines are hooked up & tested. All works well
0915	All work ceases (done). Waiting for Masood.
0935	OK calls Masood. No answer. Leaves message.
1021	Excavator (EC) used to investigate southern extent of sump (near slope). Some asphaltic materials encountered. Test pit back filled.
1031	
1038	OK leaves Sump 2. El Capitan is leaving soon (after covering stockpile)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 2
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10·12·10
DESCRIPTION: Sump removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: warm + windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0631	1204			
Ed Chaghlassian	EC	El Capitan	Foreman	0600±	~1230			
Lazaro Quinonez	LQ	"	Laborer	"	"			
Javier Gamez	JG	"	Operator	"	"			
Ignacio Gonzalez	IG	"	Laborer	"	"			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Eric Lundgreen	EL	SCG	1020	1033				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Track hoe			
Loader			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0631	QK enters gate. Five trucks waiting to be escorted up.
0637	Trucks escorted up by EC.
0649	Trucks arrive @ Sump 2 Safety meeting held
0656	Loading of trucks begins
0719	QK escorts 2 trucks down the hill
0735	The last 3 trucks are loaded and being transported down hill by EC.
0737	QK arrives back on site. Begin mapping site area
0820	EC leaves site to escort USA representatives to site
1034	QK & EC leave to collect soil sample @ P-50. EL noted where sample should be taken
1046	Collect sample from stockpile (back fill material)
1105	Arrive back @ Sump 2.
1108	EC begins excavating Sump 2. Excavating was held off until later due to moderately high winds.
1130	Trucks begin arriving back ousite.
1201	Last truck leaves site.
1204	QK leaves site. El Capitan employees are going to eat lunch & then leave.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 3
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10.13.10
DESCRIPTION: Sump removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Warm & v. windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0630				
Ed Chaghlassian	EC	El Capitan	Foreman	0630				
Lazaro Quinonez	LQ	"	Laborer	"				
Javier Gamez	JG	"	Operator	"				
Ignacio Gonzalez	IG	"	Laborer	"				
				"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Masood Hosseini	MH	SCG	0905	0925				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Track hoe - Hitachi EX 270LC			
Loader - Volvo L120C			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	DK arrives @ Sump 2. El Capitan onsite prepping for ex.
0641	Trucks arrive @ Sump 2. Excavator begins digging & stockpiling.
0648	Loading begins. Five trucks scheduled.
0717	Last truck loaded & leaves site.
0905	MH arrives @ site. MH suggests increasing the number of trucks to
	as much as 20. Thirty trucks is also doable if well staggard.
	MH notes that chemical analyses should be invoiced to SCG.
1056	Excavator resumes digging
1111	Trucks start returning
1142	The last truck leaves site (loaded)
1149	DK leaves site. El Capitan stays for lunch

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 4
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10/14/10
DESCRIPTION: Sump Excavation	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.:
SIGNATURE:	WEATHER CONDITION: Windy, warm

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☐ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez			Tech	0630				
Ed Chaghlassian			Foreman	0600				
Lazaro Quiñonez			Laborer	0600				
Javier Gomez			Operator	0600				
Ignacio Gonzalez			Laborer	0600				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Eric Lindgreen	~~0840~~ EL	SCG	0840	0845				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Excavator - Hitachi	EX 270 LC		
Loader - Volvo	L 120C		

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	CH arrives @ Sump 2. Held safety meeting.
0649	Trucks arriving and being loaded.
0747	Last truck (10) loaded and leaves site.
0840	EL arrives at site to check progress. Has quick word with EC, and leaves site.
	~~Trucks begin arriving back onsite.~~ CH
	~~Excavation (in eastern portion) and loading of trucks resumes.~~ CH
1000	EC moves excavator to NWC and begins excavating and stockpiling. Wind is
	moderate now.
1030	EI Cap personnel break for lunch. CH preparing paperwork, mapping excavation
1100	Trucks begin arriving back onsite. Loading begins. Excavation in NWC resumes
1230	Final truck (20 for the day) loaded and offsite
1300	EI Cap personnel and CH leave site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 5
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10/15/10
DESCRIPTION: Sump Remediation	CONTRACT NO.:
ONSITE PERSONNEL: CM	TASK ORDER NO.:
SIGNATURE:	WEATHER CONDITION: Foggy & cool in am.

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CM	Eco & Associates	Tech.	0630				
Ed Chaghlassian	EC	El Capitan	Foreman	0630				
Javier Gomez	JG	"	Operator	0630				
Lazaro		"	Laborer	0630				
Ignacio Gonzalez	IG	"	Laborer	0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Excavator - Hitachi	EX270LC		
Loader - Volvo	L120C		

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	CH & El Cap personnel arrives onsite, hold safety meeting and prep for excavation
0635	Begin excavation in northeast portion. Excavating shallow soil to make bench.
0644	Trucks begin arriving onsite. loading begins.
0908	Last truck of 10 loaded and offsite. Begin ramping in at NEC of excavation for the excavator to move into bottom and loader to also enter halfway down.
0930	Excavation & stockpiling ceased.
1100	Trucks begin arriving back onsite, loading resumes. Excavation in bottom resumes.
	~15' bgs - begin dark grey layer
	~23' bgs - begin light grey layer (bottom of this layer not yet encountered)
1300	Last truck loaded & offsite. Excavation ceases and cleaning up site
1315	CH offsite, El Cap personnel will have lunch then leave site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 6
PROJECT LOCATION: Aliso Canyon-Sump 2	DATE: 10/18/2010
DESCRIPTION: Sump Excavation	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.:
SIGNATURE:	WEATHER CONDITION: Foggy & cool in a.m. slight drizzle

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☐ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CH	Eco & Associates		0630				
Ed Chaghlassian	EC	El Capitan		0630				
Javier Gomez	JG	"		0630				
Ignacio Gonzales	IG	"		0630				
Lazaro Quinonez	LQ	"		0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Excavator - Hitachi			
Loader - Volvo	L120C		

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	All arrive onsite. Held tailgate safety meeting.
0640	Begin excavation and site maintenance activities. Excavator set above northern wall of the excavation extending and sloping the excavation in northerly direction.
0645	Truck begin arriving to haul soil. Loading begins.
0745	Excavator moves into bench within excavation
0810	Final truck loaded and offsite (10 trucks).
0840	Begin covering slopes of excavation as precautionary measure, beginning to drizzle consistently now. Build berms around north side of excavation to prevent runoff entering excavation
0850	EC calls Belshire (transport dispatch) to cancel afternoon round of trucks, also tentatively canceled for Tuesday.
0940	All offsite

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 7
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10-20-10
DESCRIPTION: Sump Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cool and windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK			0630				
Ed Chaghlassian	EC			0630	1005			
Lazaro Quinonez	LQ			0630				
Javier Gamez	JG			0630				
Ignacio Gonzalez	IG			0630				
Jesse Garcia	JG			0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0618	Arrive @ front gate. Obtain pass
0630	Arrive @ Sump 2. El Capitan employees present. Health & safety meeting held. Begin excavating @ ~0640
0640	Trucks begin arriving onsite
0830	Excavator checks depth of impacted soil.
0837	Last truck leaves. Excavating complete
	Laborer goes into excavation to measure depth of impacted
	test pit @ bottom = 10' deep. > TD = ~37
	Depth to excavation bottom = 27' $\frac{13}{24}$' of dirty
	~13' of clean overburden
0845	Called Masood to discuss excavation depths. Masood ask for 2 samples to be collected.
0900	DK + EC Go to Eric's office to discuss areas offsite to use as stockpiling. Eric is not in. Return to site @ ~0920
0925	DK collects samples from test pit @ bottom of excavation.
	Sump-2 TP2a collected 25' bgs
	Sump-2 TP2b collected ~32' bgs
1122	Trucks begin arriving back onsite, Excavating Resumes
1220	Site is very foggy. Visibility is less than 100'
1331	Last truck leaves. DK leaves site. El Capitan placing
	plastic sheeting over excavation sides.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT:	REPORT NO.: 8
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10·21·10
DESCRIPTION: Sump Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.:
SIGNATURE:	WEATHER CONDITION: Cool & overcast w/periodic fog

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☐ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0730	1050			
Ed Chaghlassian	EC	El Capitan	Foreman	0700	1050			
Jesse Garcia	JG	↓	Operator	0700	0730			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Eric Lundgreen	EL	SCG	0928 ~~1028~~	0941 ~~1041~~				
Masoud Hosseini	MH	"	1019	1035				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0830	Arrive @ front gate & obtain pass
0938	Arrive @ Sump 2. Meet w/ EC & discuss excavation plan
0920 ~~0920~~	EL arrives onsite. EL notes that a ~~parking lot~~ to vacant pad
	located immediately east of the site can be used to stockpile
	clean soil and impacted soil. The stockpiles must be underlain
	w/ plastic. EL also notes that the 2 walnut trees
	can be removed; as two trees do not constitute a
	grove (groves of walnut trees cannot be touched).
1019	MH arrives onsite. MH approves of plan to stockpile soil on
	lower pad. He request that N, E, & W. portions of sump
	be excavated first. He will get Johnny Gradie (Biologist)
	to review south side before further excavating that area.
	MH requests that Eco be present for the removal of
	overburden, as well as the removal of the underlying
	impacted soil. MH is notified that excavation activities
	will resume on monday (10-25-10). Dump trucks will
	be ordered & delivered @ that time. (w/ operators).
	Offsite transportation of impacted soil will resume
	on either Tuesday ~~ok~~ or Wednesday.
1050	MH & EC leave site

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-DS-205.2	REPORT NO.: 69
PROJECT LOCATION: Aliso Canyon - Sump 2	DATE: 10/26/2010
DESCRIPTION: Excavation	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.: --
SIGNATURE:	WEATHER CONDITION: ~~Drizzling~~ Clear & windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CH	Eco & Associates	Tech	0630				
Ed Chaghlassian	EC	El Capitan	Foreman	0630				
Javier Gamez	JG	" "	Operator	0630				
Lazaro Quinonez	LQ	" "	Laborer	0630				
Ignacio Gonzalez	IG	" "	Laborer	0630				
Jesus Garcia	JG	" "	Operator	0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Masood Hossein	MH	So. Cal Gas	1140	1210				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	CH and El Capitan personnel arrive at site. Conduct safety meeting and discuss planned activities. High winds, gusts well above 25 mph will make stockpiling difficult today.
0645	Begin removing temporary fencing and plastic around excavation.
0655	Begin excavating overburden in western side of excavation. PID readings will be collected but wind will make them inaccurate.
0713	(2) Trucks arrive to haul clean overburden to stockpile area, just below the site.
0740	Two dump trucks are dropping their loads on top of plastic at the stockpile pad
0820	Metal, rubber (tire), and asphalt debris encountered in SWC of excavation, 5-10' bgs.
0900	Excavation ceased momentarily. Excavator being used to load trucks from stockpile. Winds have persisted, though not quite as strong as earlier.
0910	Excavation resumes, still pulling overburden (~10') off top in western and southwestern portion of the excavation.
1100	Break for lunch, excavation ceases. One of the trucks has broken down.
1130	Work resumes. Excavator loading truck and also separating debris.
1140	Masood arrives onsite. He asked that we sample stockpiled soil once the pile is complete. Sample stockpile (in sections) per SW-846 standards. We may also sample the stockpiled soil taken from within this Aliso Facility. The stockpile will be kept separate from the overburden stockpile.
1212	MH offsite. Will be on vacation Thursday & Friday. Said biologist may be at site one of those days regarding walnut trees on southern slope.

(Use additional sheets as needed.)

1300	EC offsite to check the borrow site soils.
1430	Last load has been taken from site to stockpile area. EC said work will not be conducted tomorrow due to SCG activities. El Capitan crew cleaning and prepping the site.
1500	All offsite.

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Aliso Canyon - Sump 2	REPORT NO.: 10
PROJECT LOCATION: Sump removal	DATE: 10-28-10
DESCRIPTION:	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.:
SIGNATURE:	WEATHER CONDITION: Clear, cold, & very windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☐ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0629				
Ed Chaghlassian	EC	El Capitan	Foreman	0600	~0930			
Lazaro Quinonez	LQ	"	Laborer	"				
Javier Gamez	JG	"	Operator	"				
Ignacio Gonzalez	IG	"	Laborer	"				
Jesse Garcia	JG	"	Operator	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Eric Lundgreen	EL	SGC	1010	1017				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Track hoe			
Loader			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0629	EL obtains pass from front gate.
0639	EL arrives @ site. El Capitan employees onsite
0654	Trucks arrive for loading. Excavating begins
0850	Last truck (No. 10) leaves site. Excavation ceases
0903	El Capitan works on fire hoses, placing weddles around clean soil pile,
	cleaning site, watering soil (dust control), maintaining equipment
1030	El Capitan takes break
1143	Excavator removes some overburden (clean soil) in order to
	create lower pad to set rig.
1146	Trucks begin to arrive back onsite.
1152	Begin ~~impacto~~ excavating impacted soil. Loading begins
1322	Excavating ceases. South side of excavation near completion.
	Bedrock is exposed in portion of south side.
1343	Last truck is loaded & leaves site.
1349	EL leaves site

(Use additional sheets as needed.)

10. TIME AND ACTIVITY LOG (Continued)

TIME	DESCRIPTION

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: ~~10~~ 11
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 10·29·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: cool & clear w/light winds

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0620	1333			
Ed Chaghlassian	EC	El Capitan	foreman	0615±	?			
Lazaro Quinonez	LQ	↓	Laborer	↓	↓			
Javier Gamez	JG		Operator					
Ignacio Gonzalez	IG		Laborer					
Jesse Garcia	JG	✓	Operator	✓	✓			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Eric Lundgreen	EL		0905	0910				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Loader			
Excavator			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0620	Arrive @ Sump 2. El Capitan on site. H&S meeting held
0650	Excavating begins
0652	Trucks arrive onsite
0820	Last truck becomes stuck @ entrance to site. It is pulled out w/ loader. Truck is stuck on gravel, not wet soils
0838	Last truck leaves site. Excavator moves to bottom of excavation & begins cleaning sidewalls (removing sluff & stained areas)
0941	Excavating ceases. El Capitan covers clean stockpile w/ plastic.
1128	Truck arrive back onsite
1139	Excavating begins
1246	Excavating ceases
1300	Last truck leaves site. [illegible] meets w/ EL to discuss next week's excavation plan
1333	QK leaves site

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 12
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·01·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: cool, clear, & v. windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0626				
Ed Chaghlassian	EC	El Capitan	Foreman	"				
Javier Gamez	JG	"	Operator	0615±				
Jesse Garcia	JG	"	Operator	0630				
Lazaro Quinonez	LQ	"	Laborer	0615±				
Ignacio Gonzalez	IG	"	Laborer	0615±				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Masood Hosseini	MH	SCG	1200	1235				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Loader			
Excavator			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0626	EL arrives onsite. El Capitan onsite.
0648	Trucks arrive onsite. Loading & excavating begin
0825	Last truck leaves. Excavating ceases.
0915	Excavating begins in the southern portion of the sump.
1011	Excavating ceases
1116	Trucks arrive back onsite
1121	Excavating resumes
1200	MH arrives onsite. MH reviews excavation & recommends
	sampling impacted bedrock (stained) if it is left in place.
1302	Last truck leaves. Track hoe is used to assess impacted
	soil @ base of southern slope (via trench). The impacted
	soil slopes @ ~45° to the north. Further sloping ~~toute~~
	of the southern slope is not needed

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 13
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11/2/2010
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.: --
SIGNATURE:	WEATHER CONDITION: Clear, warm, windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CH	Eco & Associates	Tech	0630				
Ed Chaghlassian	EC	El Capitan	Foreman	0630				
Jesse Garcia	JG	"	Operator	0630				
Javier Gomez	JG	"	Operator	0630				
Ignacio Gonzalez	IG	"	Laborer	0630				
Cesare Quinonez	LQ	"	Laborer	0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Excavator - Hitachi			
Loader - Volvo			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	All onsite, conduct tailgate safety meeting. Calibrate PID.
0640	Excavation begins in eastern portion (10-20' bgs)
0648	First truck arrives for hauling. Two rounds of 12 trucks planned for today. Soil
	being stockpiled by excavator into excavation bottom, loader has a ramp into
	NWC to reach stockpile.
0850	Excavation ceases.
0912	Last truck (12) loaded and offsite. Excavation resumes in eastern portion, bottom
	limits of contamination not encountered (> 20' bgs)
0914	EC offsite. Performing site cleanup (boulders, piping, debris) with loader & excavator
1002	Excavator moves back into bottom of excavation and resumes in east portion bottom
	and along walls.
1030	Excavation ceases, break for lunch. [EC onsite.]
1120	Trucks begin arriving, loading begins.
1130	Excavation resumes, eastern portion. Extending toward east and southeast.
1346	Last truck loaded and offsite.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 14
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11-4-10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Clear & Warm

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0624				
Ed Chaghlassian	EC	El Capitan	Foreman	0600±				
Javier Gamez	JG	"	Operator	"				
Jesse Garcia	JG	"	Operator	"				
Lazaro Quinonez	LQ	"	Laborer	"				
Ignacio Gonzalez	IG	"	Laborer	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Trackhoe			
Loader			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0624	Arrive @ Sump 2. All El Capitan employees onsite.
0639	Begin prepping site for loading (watering soil, excavating, moving plastic)
0643	Excavating begins
0653	Trucks arrive onsite. Twelve trucks to be loaded.
0909	Last truck leaves.
0910	Excavating ceases. Entryway to site is cleaned & leveled.
1002	Lunch break
1115	Excavating Resumes
1122	Trucks arrive back onsite
1316	Excavating ceases
1410	Last truck leaves site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 15
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11.05.10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Clear & warm

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0628				
Ed Chaghlassian	EC	El Capitan	Foreman	0600±				
Javier Gamez	JG	"	Operator	"				
Jesse Garcia	JG	"	Operator	0615±				
Lazaro Quinonez	LQ	"	Laborer	0600±				
Ignacio Gonzalez	IG	"	Laborer	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS
Track hoe			
~~Back hoe~~ Loader			

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0628	OK arrives onsite. El Capitan onsite
0653	Trucks arrive onsite excavating begins.
0931	Last truck leaves site
0945	Excavating ceases. Site cleanup & vehicle maintenance begins.
1025	Begin lunch
1125	Trucks begin arriving back onsite
1128	Excavating resumes
1229	Excavating ceases. Sufficient soil has been piled for remainder of day.
1244	OK leaves site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 16
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11.08.10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION:

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0625				
ARA BAKARIAN	AB	EL CAPITAN	H&S	0630				
GEORGE OCHOA	GO	EL CAPITAN	OPERATOR	0630				
Javier Gamez	JG	" "	Operator	0630				
Lazaro Quinonez	LQ	" "	Laborer	0630				
Ignacio Gonzalez	IG	" "	Laborer	0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Masoud Hosseini		SCG	0902					

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0625	Ole arrives onsite
0630	El Capitan arrives onsite
0648	Trucks arrive onsite. Excavating begins
0800	Excavator sinks into clay. Has dificulty getting out
1010	Loader runs out of fuel. Obtains fuel from trucker
1130	last truck leaves site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 17
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11.09.10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cold & windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0635	1345			
Ed Chaghlassian	EC	El Capitan	Foreman	0615	1400			
Javier Gamez	JG	"	Operator	"	"			
Lazaro Quinonez	LQ	"	Laborer	"	"			
Ignacio Gonzalez	IG	"	"	"	"			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0635	QK arrives on site. El Capitan onsite fueling tractors & preparing to excavate
0648	Trucks arrive onsite. Excavating begins
0934	last truck (16 total) leaves site. Vehicle maintenance begins.
1032	Lunch break begins. End @ 1105
1107	Begin excavating in SE portion of sump. Excavator @ bottom & cleaning stuff. QK maps excavation limits
1136	Trucks arrive back onsite
1342	QK begins collecting confirmation soil samples from bottom, east side, & south side.
1319	Loading of last truck finished. Excavating ceases
1322	last truck leaves site.
1345	QK leaves site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 18
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·10·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cold & Calm & Clear

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0613				
Ed Chaghlassian	EC	El Capitan	Foreman	0629				
Javier Gamez	JG	"	Operator	0612				
Lazaro Quinonez	LQ	"	Laborer	0612				
Ignacio Gonzalez	IG	"	"	0612				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0613	QK arrives @ Sump 2 just behind JG, LQ, & IG
0629	EC arrives @ Sump 2. Site preparation for excavating begins
0640	Excavating w/in the sump (west side) begins
0649	Trucks arrive for loading
0653	Begin loading
0838	Last truck leaves site. Excavating ceases. Excavator is re-fueled.
0900	QK samples lower stockpile (former over burden)
0911	Excavator moves stockpile up ramp.
1010	Lunch break begins. Ends @ ~11:00
1119	Trucks return back @ Sump 2. Excavating resumes
	PID battery dies. QK can not find power to charge.
1145 [redacted]	QK leaves site. Loading continues.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 19
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·12·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cool & v. windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc	Geologist	0630				
Ed Chaghlassian	EC	El Capitan	Foreman	0615				
Javier Gamez	JG	"	Operator	"				
Lazaro Quinonez	LQ	"	Laborer	"				
Ignacio Gonzalez	IG	"	Laborer	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	OK arrives onsite. El Capitan employees onsite preparing for excavating & loading
0641	Excavating begins
0646	Trucks arrive onsite. Loading begins
0921	last truck (15 total) leaves site. Excavating ceases. OK begins sampling & mapping
1051	Completed sampling & mapping. Five bottom samples collected (CS-B6 - CS-B10) and three side wall samples collected (SW5 - SW7). Two clay samples from sump also collected (Sump 2 - clay 1 & Sump 2 - clay 2).
1113	Excavating resumes
1122	Trucks arrive back onsite (5 scheduled)
1231	Last truck leaves site. Excavating ceases

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 20
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11-15-10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cool to warm w/ gentle winds

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0615	1247			
Ed Chaghlassian	EC	El Capitan	Foreman	↓	↓			
Javier Gamez	JG	"	Operator	↓	↓			
Lazaro Quinonez	LQ	"	Laborer	↓	↓			
Ignacio Gonzalez	IG	"	Laborer	↓	↓			
Jesse Garcia	JG	~~Operator~~ OK "	Operator	0631	↓			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Mesrup Mesrup	MM		0819	1025				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0615	QK & most of El Capitan employees arrive onsite. Health + safety + scoping meeting held.
0632	QK enters excavation to collect one bottom + one sidewall sample (CS-B11 and CS-SW8)
0658	Removal of overburden begins along south side of excavation. Clean overburden is used to make a ramp into the excavation
0743	Excavator uses sheepsfoot attachment to compact soil on ramp.
0902	Excavation depth measured by QK. Excavation depth = 31' from north side and 29.5' from south side
0950	QK takes MMs to collect bulk sample for geot. testing
1031	QK collects side wall samples
~1015	El Capitan take Lunch break
1105	Lunch break over. Sample collection over. Removal of over burden resumes.
1241	Excavating + backfilling ceases
1247	leave site w/ El Capitan

(Use additional sheets as needed.)

SW-9	= 10' above SW 8
SW-10	= 5' above SW 7
SW-11	= 5' above SW 6
SW-12	= 5' " SW 5
SW-13	= 5' " SW 4

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 21
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·16·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cool to warm & calm

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0616	1505			
Ed Chaghkassian	EC	El Capitan	Foreman	0616	↓			
Javier Gomez	JG	"	Operator	"	↓			
Jesse Garcia	JG	"	"	↓	↓			
Lazaro Quinonez	LQ	"	Laborer	↓	↓			
Ignacio Gonzalez	IG	"	"	↓	↓			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0616	~~Ok~~ arrive at Sump 2 - / El Capitan. Preparation begins to
	excavate & load 15 trucks
0646	Trucks arrive onsite.
0652	Excavation begins. Slight delay due to fueling
0833	Abundant oil-soaked soil encountered in excavation (removed)
	Excavator has cut wall near-verticle (~20' in height) in
	order to reach ~~some~~ impacted soil. Vertical cutting
	ceased after minor cracks were observed in the
	upper soil surface.
0919	Excavating ceases
0924	last truck leaves site. El Capitan cleans site & equipment.
1002	lunch break begins
1120	" " ends
1133	Trucks arrive back onsite
1158	Loading begins. Excavating begins
1358	Loader breaks. Excavating ceases @ 13 trucks. One truck
	partially filled. One empty (15th truck not showing up)
1415	Excavator begins loading 13th truck
1505	leave site

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 22
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·17·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Warm & windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0616	1302			
Ed Chaghlassian	EC	El Capitan	Foreman	0620	0900			
~~Javier Gamez~~	~~JG~~	~~"~~	~~Operator~~	~~0616~~				
Jesse Garcia	JG	"	"		~1330			
Lazaro Quinonez	LQ	"	Laborer	0616	"			
~~Ignacio Gonzalez~~	~~IG~~	~~"~~	~~"~~	~~0614~~				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0616	QK arrives @ Sump 2 w/ three El Capitan employees.
0629	Begin preparation to excavate soil on north side of excavation.
0645	Excavator moves into excavation to clear rock.
0652	Excavating of impacted soil in Sump's Northeast corner begins
0910	QK begins mapping & collecting soil samples
0920	Excavating ceases. Bucket of trackhoe is cleaned
1004	A portion of the northern slope is cut from the top in order to achieve a 1:1 (45degree) angle on the slope face.
1046	JG & LQ leave site to pick up rental loader
1107	JG & LQ return to site. JG uses loader to clean site surface and then spread & compact the clean over burden that was removed from the northern slope.
1119	Lunch break begins
1157	Lunch break over. cutting back northern slope continues.
1212	Cutting back of northern slope complete
1216	Loader is used to clean & compact bottom of excavation
1253	Cleaning & compacting of excavation bottom complete. Site is secured.
1302	QK leaves site. El Capitan remains to grease equipment.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 23
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·18·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cool & Windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0618	1435			
Ed Chaghlassian	EC	El Capitan	Foreman	0618	↓			
Javier Gamez	JG	↓	Operator	0615±	↓			
Jesse Garcia	JG	↓	"	0631	↓			
Lazaro Quinonez	LQ	↓	Laborer	0615±	↓			
Ignacio Gonzalez	IG	↓	"	"	↓			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT
Masood Hosseini	MH	SGC	1102	1140				

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0618	QK & EC arrive onsite. JG, LQ, & JG already onsite
0631	J Garcia arrives onsite. Meeting held regarding scope of today's work. Only stockpiled soil to be loaded today (planned - not actual)
0645	Trucks arrive onsite. Trucks are loaded w/ stockpiled soil.
0841	Begin ~~loading~~ excavating fresh impacted soil
0936	Excavating ceases. Equipment maintenance & cleanup begins
1024	Lunch break
1102	MH arrives onsite to review excavation
1120	Lunch break ends
1128	Trucks arrive back onsite
1132	Excavating & loading resumes
1427	Excavating & loading ceases. Last truck leaves site
1435	QK & El Capitan leave site

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 24
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11-19-10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION:

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0624	1115			
Ed Chaghlassian	EC	El Capitan	Foreman	"	↓			
Javier Gamez	JG	↓	Operator	0630	↓			
Jesse Garcia	JG	↓	"	↓	↓			
Lazaro Quinonez	LQ	↓	Laborer	↓	↓			
Ignacio Gonzalez	IG	↓	"	↓	↓			

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0624	QK & EC arrive onsite. Visibility on road & site is limited to
	20 to 30 feet. The trucks @ the bottom of the hill are
	asked to standby until fog & darkness subside. The onsite
	equipment is fueled & serviced
0700	The trucks are called to site.
0716	Trucks arrive onsite. Excavating begins
1020	Excavating ceases. Loader continues to load from pile. Excavation
	activities for Sump 2 are completed @ ~ 1024.
1031	The last truck leaves site.
1115	QK & El Capitan leave site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 25
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11·23·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION:

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0628				
Ed Chaghlassian	EC	El Capitan	Foreman	0630				
Javier Gamez	JG	"	Operator	0631				
Jesse Garcia	JG	"	"	0615				
Lazaro Quinonez	LQ	"	Laborer	"				
Ignacio Gonzalez	IG	"	"	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0628	QK arrives @ Sump 2. JG, LQ, & JG onsite
0630	EC arrives @ site w/ dump truck (10 wheeler) w/ operator
0631	JG arrives onsite. Meeting is held regarding today's scope of work.
0644	Begin preparing site for backfilling. Dump truck is loaded w/
	soil previously stockpiled on pad below. This soil is being
	placed on western portion of Sump 2 excavation.
0657	Dump truck arrives onsite w/ 1st load This load is placed
	@ top of excavation & pushed in lifts on top of ramp.
	The loader (2nd) is used to spread & compact this soil
0701	Loader stuck in mud while trying to move soil.
0716	Loader unstuck. Backfilling continues
1110	Lunch break begins. QK and soil tech collect samples
1150	Lunch break over, Backfilling continues
1230	QK finishes sampling accessible areas
1420	Backfilling ceases. Compaction to continue to ~ 1430. Density test
	will then be taken
1430	QK leaves site

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 26
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11/24/2010
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.: --
SIGNATURE:	WEATHER CONDITION: Windy, cold (40's)

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CH	Eco & Associates	Tech					
Ed Chaghlassian	EC	El Capitan	Foreman					
Javier Gamez	JG	"	Operator					
Jesse Garcia	JG	"	"					
Lazaro Quinorez	LQ	"	Laborer					
Ignacio Gonzalez	IG	"	"					

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	All personnel arrive onsite.
0638	Safety and planning meeting held for the day, then prep activities begin
0650	First truck loaded and backed to excavation edge, etc. Tracker dumps soil and leaves the area. Dumptruck are being loaded from overburden stockpile adjacent to the site.
0700	Loader used to spread and compact soil into lifts
0740	All soil from overburden stockpile has been used. Fill material from nearby site (~ 1/2 mi) will now be used. Nine truckloads of overburden were used today
0752	Contractor (Allison Valley) onsite to service portable toilet.
0830	Soil tech arrives onsite, observing backfill.
1100	Soil tech collect density samples at two locations on excavation bottom (east-central, west-central)
1400	Soil tech goes into excavation to collect two more samples, similar locations.
1415	Loader (in excavation) is out of fuel. Last two trucks will be dumped and left w/out spreading. Other ~~for~~ equipment begin shut-down.
1430	Off site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 27
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 11/30/2010
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.: --
SIGNATURE:	WEATHER CONDITION: Cold, very windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CH	Eco & Associates	Tech	0640				
Ed Chaghlassian		El Capitan	Foreman	0630				
Javier Gomez		"	Operator	0630				
Jesse Garcia		"	"	0630				
Ignacio Gonzalez		"	Laborer	0630				
Lazaro Quinonez		"	"	0630				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0640	CH arrives onsite. JG using loader to spread and compact fill in bottom of excavation. Trucks (3) are being loaded from borrow site within facility.
0710	Marked out 12 sidewall sample locations.
0720	Collected SW-22
0722	Collected SW-23. Will collect remaining sidewall samples when operators break for lunch.
1050	Masood arrives onsite to check progress. Briefly discuss sampling, boulders, borrow site identification. EC not available, he went to borrow site.
1105	Masood leaves site.
1115	Operators break for lunch. CH enters excavation to collect side wall samples (24-33)
~~1215~~	~~Resume~~
1215	All samples collected and packaged, El Capitan resumes operations.
1435	Last truck (51 today) dump load of soil, which will not be spread today. Geotechnical engineer enters excavation for compaction testing.
1440	El Capitan ceases operations and CH leaves site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 28
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 12·01·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cold & windy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	06:30				
Ed Chughlassian	EC	El Capitan	Foreman	0615±				
Javier Gamez	JG	"	Operator	"				
Jesse Garcia	JG	"	"	06 30				
Ignacio Gonzalez	IG	"	Laborer	0615±				
Lazaro Quinonez	LQ	"	"	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0630	QK • JG[illegible] arrive @ Sump 2. Remaining El Capitan staff onsite servicing loader. EC notes that 3 trucks will be used today to haul fill soil. 51 loads were placed yesterday. Approximately 10' of soil has been placed into excavation to date.
0640	JG[illegible] travels to borrow site to begin loading trucks. JGomez begins spreading & compacting fill that was dumped yesterday. JG uses fire hose to moisten fill.
0711	The first truck arrives onsite and dumps load
1110	Lunch break begins. Trucks stop hauling. EC notes that the primary road to the fill soil is going to be closed @ 12:00 noon due to paving. A longer route will be taken.
1150	Lunch break over.
1156	Trucks leave to collect more soil
1242	Trucks return (~ 45 minute turn-around time due to new route).
1316	EC goes to check paving status & deviation
1324	QK leaves site

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF PROJECT ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.: 29
PROJECT LOCATION: SCGC - Aliso Canyon	DATE: 12·03·10
DESCRIPTION: Sump 2 Removal	CONTRACT NO.:
ONSITE PERSONNEL: Quin Kinnebrew	TASK ORDER NO.: --
SIGNATURE: Quin Kinnebrew	WEATHER CONDITION: Cool, calm, & cloudy

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?

☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Quin Kinnebrew	QK	Eco & Assoc.	Geologist	0620				
Ed Chaghlassian	EC	El Capitan	Foreman	0615				
Javier Gamez	JG	"	Operator	"				
Jesse Garcia	JG	"	Operator	0630				
Alen Gonzales	AG	"	Laborers	"				
Edward Gonzalez	EG	"	"	"				

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0620	QC arrives @ Sump 2. El Capitan (EC & J. Gomez) onsite. EC notes that 45 loads were placed yesterday. Two to three of fill were placed. Road work near borrow area slowed dump truck ~~two~~ progress for part of yesterday. Three trucks will transfer fill soil today. Two laborers (Lazaro Quinonez & Ignacio Gonzalez) will no longer be working @ sump 2. They were transferred to Ventura. Two new laborers will take their place (EG & AG).
0628	JGarcia & EC go to borrow site. JGomez begins soil compaction
0711	Dump trucks start arriving @ Sump 2
0720	EC arrives back @ sump 2
1110	QC leaves site.

(Use additional sheets as needed.)

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF ACTIVITIES

ECO PROJECT: Eco-05-205.2	REPORT NO.:
PROJECT LOCATION: Aliso Canyon	DATE: 12/7/10
DESCRIPTION: Sump Remediation (Backfill)	CONTRACT NO.:
ONSITE PERSONNEL: CH	TASK ORDER NO.: --
SIGNATURE:	WEATHER CONDITION: Clear, cool

1. ANY DELAYS IN WORK PROGRESS TODAY? ☒ No ☐ Yes If yes, explain:

2. ANY VERBAL INSTRUCTION GIVEN BY THE GOVERNMENT, REGULATOR, OR CLIENT? ☒ No ☐ Yes If yes, to whom and explain:

3. ANY CONDITION DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM OR FINDINGS OF FACTS?
☒ No ☐ Yes If yes, explain:

ANY POTENTIAL CHANGE ORDER OR CLAIM MUST BE REPORTED TO THE PROJECT DIRECTOR/MANAGER.

4. ANY DEFICIENCIES, ACTIONS TAKEN TO CORRECT THE DEFICIENCIES? ☒ No ☐ Yes If yes, explain:

5. SAFETY MEETING/TAILGATE MEETING HELD TODAY? ☐ No ☒ Yes

ANY LOST TIME ACCIDENT TODAY? ☒ No ☐ Yes If yes, attach an accident report.

6. PRIME CONTRACTOR AND SUBCONTRACTOR WORK FORCE SIGN IN AND OUT IN THE SPACE BELOW.

NAME	INITIAL	COMPANY	TRADE	IN	OUT	IN	OUT	TOTAL HOURS
Carlos Hernandez	CH	Eco & Associates	Tech	0645				
Javier Gamez	JG	El Capitan	Operator	0630				
Ed Chaghlassian	EC	"	Foreman	0630				
Jesse Garcia	JG	"	Operator	0630				
~~Ignacio Gonzalez~~	~~IG~~	~~"~~	~~Laborer~~					
~~Lazaro Quinonez~~	~~LQ~~	~~"~~	~~"~~					

7A. CUMULATIVE HOURS WORKED PREVIOUSLY:	7B. TOTAL HOURS WORKED TODAY:	TOTAL HOURS WORKED TO DATE (7A+7B):

ECO & ASSOCIATES, INC. – QUALITY CONTROL REPORT

DAILY LOG OF CONSTRUCTION ACTIVITIES

8. VISITOR'S LOG

NAME	INITIAL	COMPANY	IN	OUT	IN	OUT	IN	OUT

9. MAJOR ITEMS OF EQUIPMENT.

TYPE / CAPACITY	NUMBER	STANDBY HOURS	OPERATING HOURS

10. TIME AND ACTIVITY LOG

TIME	DESCRIPTION
0645	CH arrives at site. Backfill and compaction being conducted, excavation is 12-16 feet deep this morning. 3 trucks are shuttling between borrow pile and site. Javier using loader to spread & compact excavation. Jesse at borrow site loading trucks. Ed guiding trucks and overseeing work at both locations.
1100	El Capitan breaks for lunch, CH enters excavation to collect samples. Also geotech sampling
1130	Resume spreading and compaction procedures within excavation
1200	Sample collection and processing completed. Sidewall samples in all walls have been collected to within 5' of surface, this concludes confirmation sampling for this remedial action (CS-SW39 thru CS-SW44 collected today).
1340	Spreading and compaction ceased, moving large boulders out of excavation.
1420	Last 3 truckloads arrive, these will not be spread and compacted. Geotechnical personnel offsite. 42 total truckloads today.
1430	CH offsite.

(Use additional sheets as needed.)

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64527

AETL JOB No.

Page 1 of 1

COMPANY: Eco & Assoc. Inc.
PROJECT MANAGER:
COMPANY ADDRESS: 1855 W. Katella Ave., Ste 340, Orange, CA
PHONE: 714-289-0995
FAX:
PROJECT NAME: SCG/Aliso Cyn - Sump 2
PROJECT #: Eco 05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 C.C.)	CAM Metals	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	Sump-2 TP1a		10-11-10	0904	Soil	4oz glass	ice	X	X	X	
2	Sump-2 TP1b		10-11-10	0907	↓	↓	"	X	X	X	
3	Stockpile P-50		10-12-10	1016	↓	↓	"	X	X	X	
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	3	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Dan Kunesh	Printed Name:	Printed Name:
Date: 10-12-10 Time: 1237	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Juan Hernandez
Date: Time:	Date: Time:	Date: 10/12/10 Time: 1237

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64538

AETL JOB No.

Page 1 of 1

COMPANY: Eco & Assoc., Inc.
PROJECT MANAGER:
COMPANY ADDRESS: 1855 W. Katella Ave. Ste 340 Orange CA
PHONE: 714-289-0995
FAX:
PROJECT NAME: SCG / Aliso Cyn - Sump 2
PROJECT #: Eco 05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 c.c.)	VOCs (8260B)									TEST INSTRUCTIONS & COMMENTS
1	Sump-2 TP2a		10-20-10	0930	Soil	4 oz glass	ice	X	X									
2	Sump-2 TP2b		↓	0935	↓	↓	↓	X	X									
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	2	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Quin Kinnebrew	Signature:	Signature:
Printed Name: Quin Kinnebrew	Printed Name:	Printed Name:
Date: 10-21-10 Time: 1104	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: Time:	Date: Time:	Date: 10/21/10 Time: 1104

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64530

AETL JOB No.

Page 1 of 1

COMPANY: Eco & Associates, Inc.
PROJECT MANAGER: Mohammad Esteri
COMPANY ADDRESS: 1855 W. Katella Ave., Ste. 340, Orange, CA
PHONE: 714-289-0995
FAX:
PROJECT NAME: SCG / Aliso Cyn. - Sump 2
PROJECT #: Eco 05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 e.c.)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	CS-B1		11-09-10	1243	Soil	one 4oz Glass	ice	X	X	
2	CS-B2			1245				X	X	
3	CS-B3			1249				X	X	
4	CS-B4			1253				X	X	
5	CS-B5			1302				X	X	
6	CS-SW1			1307				X	X	
7	CS-SW2			1310				X	X	
8	CS-SW3			1313				X	X	
9	CS-SW4			1314				X	X	
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	9	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☐ NORMAL ☒ RUSH ☐ SAME DAY ☐ NEXT DAY ☒ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Quin Kinnebrew	Signature:	Signature:
Printed Name: Quin Kinnebrew	Printed Name:	Printed Name:
Date: 11-09-10 Time: 1512	Date: Time:	Date: Time:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Dean Claude
Date: Time:	Date: Time:	Date: 11-09-10 Time: 1512

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64531

AETL JOB No.

Page 1 of 1

COMPANY: Eco & Associates, Inc.
PROJECT MANAGER: Mohammad Ederi
COMPANY ADDRESS: 1855 W. Katella Ave., Ste. 340, Orange
PHONE: 714.289.0995
FAX:
PROJECT NAME: SCG / Aliso Canyon - Sump 2
PROJECT #: Eco 05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 GC)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	Stockpile-1E		11-10-10	0906	Soil	One 4oz Glass	ice	X	X	
2	Stockpile-1C		↓	0912	↓	↓	↓	X	X	
3	Stockpile-1W		↓	0918	↓	↓	↓	X	X	
4	CS-B6		11-12-10	1012	↓	↓	↓	X	X	
5	CS-B7		↓	1015	↓	↓	↓	X	X	
6	CS-B8		↓	1018	↓	↓	↓	X	X	
7	CS-B9		↓	1020	↓	↓	↓	X	X	
8	CS-B10		↓	1022	↓	↓	↓	X	X	
9	CS-SW5		↓	1024	↓	↓	↓	X	X	
10	CS-SW6		↓	1026	↓	↓	↓	X	X	
11	CS-SW7		↓	1028	↓	↓	↓	X	X	
12	Sump2-Clay1		↓	1035	↓	↓	↓	X	X	
13	Sump2-Clay2		↓	1039	↓	↓	↓	X	X	
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	13	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☐ NORMAL ☒ RUSH ☐ SAME DAY ☐ NEXT DAY ☒ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Quin Kinnebrew	Signature:	Signature:
Printed Name: Quin Kinnebrew	Printed Name:	Printed Name:
Date: 11-12-10 Time: 1510	Date: Time:	Date: Time:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: Time:	Date: Time:	Date: Time: 1510

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64528

Page 1 of 1

COMPANY: Eco & Assoc., Inc.
PROJECT MANAGER: Mohammad Esfeni
COMPANY ADDRESS: 1855 W. Katella Ave., Ste. 340, Orange CA
PHONE: 714-285-0995
FAX:
PROJECT NAME: SCG/Aliso Canyon - Sump 2
PROJECT #: Eco 05-205.2
SITE NAME AND ADDRESS:
PO #:
AETL JOB No.:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 C.C.)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	CS-B11		11-15-10	0640	Soil	One 4oz Glass	ice	X	X	
2	CS-SW8		11-15-10	0647	↓	↓	↓	X	X	
3	CS-SW9		↓	1043	↓	↓	↓	X	X	
4	CS-SW10		↓	1048	↓	↓	↓	X	X	
5	CS-SW11		↓	1051	↓	↓	↓	X	X	
6	CS-SW12		↓	1056	↓	↓	↓	X	X	
7	CS-SW13		↓	1101	↓	↓	↓	X	X	
8										
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☐ NORMAL ☒ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Quin Kinnebrew	Printed Name:	Printed Name:
Date: 11-15-10 Time: 1328	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: Time:	Date: Time:	Date: 11/15/10 Time: 1328

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64532

AETL JOB No.

Page 1 of 1

COMPANY: Eco & Associates Inc.
PROJECT MANAGER: Muhammad Esteri
COMPANY ADDRESS: 1855 W. Katella Ave., Ste. 340 Orange, CA
PHONE: 714-289-0995
FAX:
PROJECT NAME: SGG / Alico Canyon - Sump 2
PROJECT #: Eco 05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 e.c.)	VOCs (8260B)									TEST INSTRUCTIONS & COMMENTS
1	CS-B12		11-19-10	0929	Soil	One 4oz Glass	ice	X	X									
2	CS-B13		↓	0936	↓	↓	↓	X	X									
3	CS-B14		↓	1106	↓	↓	↓	X	X									
4	CS-B15		↓	1110	↓	↓	↓	X	X									
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	4	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL (WD 8a) ☒ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☒ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Quin Kinnebrew	Signature:	Signature:
Printed Name: Quin Kinnebrew	Printed Name:	Printed Name:
Date: 11.19.10 Time: 1254	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Tony Chandler
Date: Time:	Date: Time:	Date: 11/19/10 Time: 1254

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64533

AETL JOB No.

Page 1 of 2

COMPANY: So Cal Gas - Eco & Associates
PROJECT MANAGER: Masood Hosseini
COMPANY ADDRESS: 1855 W. Katella Ave, Ste 340, Orange CA
PHONE:
FAX:
PROJECT NAME: Aliso Canyon - Sump 2
PROJECT #: Eco-05-205-2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED: TPH (8015 m), VOC (8260B)

TEST INSTRUCTIONS & COMMENTS

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 m)	VOC (8260B)
1	CS-SW22		11/30/10	0720	Soil	1/4oz Jar	Ice	✓	✓
2	CS-SW23			0722				✓	✓
3	CS-SW24			1144				✓	✓
4	CS-SW25			1140				✓	✓
5	CS-SW26			1130				✓	✓
6	CS-SW27			1134				✓	✓
7	CS-SW28			1136				✓	✓
8	CS-SW29			1124				✓	✓
9	CS-SW30			1126				✓	✓
10	CS-SW31			1128				✓	✓
11	CS-SW32			1119				✓	✓
12	CS-SW33			1120				✓	✓
13	CS-SW34			1148				✓	✓
14	CS-SW35			1150				✓	✓
15	CS-SW36			1155				✓	✓

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Gilbert Hernandez	Printed Name:	Printed Name:
Date: 11/30/10 Time: 1530	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Kevin Claude
Date: Time:	Date: Time:	Date: 11/30/10 Time: 1530

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64534

COMPANY: So Cal Gas - Eco & Associates
PROJECT MANAGER: Masood Hussain
COMPANY ADDRESS: 1355 W. Katella Ave. Ste 340, Orange CA
PHONE:
FAX:
PROJECT NAME: Alex Pavesa - Grp 2
PROJECT #: E-3-05-205.2
SITE NAME AND ADDRESS:
PO #:
AETL JOB No.:
Page 2 of 2

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 m)	VOCs (8260B)									TEST INSTRUCTIONS & COMMENTS
1	CS-SW37		11/30/10	1157	Soil	1 / 4oz Jar	Ice	✓	✓									
2	CS-SW38		"	1158	"	"	"	✓	✓									
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	2	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Carlos Hernandez	Printed Name:	Printed Name:
Date: 11/30/10 Time: 1530	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: Time:	Date: Time:	Date: 11/30/10 Time: 1530

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64536

AETL JOB No.

Page 1 of 1

COMPANY: So Cal Gas - Eco + Associates
PROJECT MANAGER: Masood Hossain
COMPANY ADDRESS: 1955 W Katella Ave. Ste 340, Orange CA
PHONE: 213-220-1470
FAX:
PROJECT NAME: Aliso Canyon - Sump 2
PROJECT #: Eco-05-205.2
SITE NAME AND ADDRESS:
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015m)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	CS-SW39		12/7/2010	1132	Soil	1/4oz Jar	Ice	✓	✓	
2	CS-SW40		↓	1134	↓	↓	↓	✓	✓	
3	CS-SW41		↓	1129	↓	↓	↓	✓	✓	
4	CS-SW42		↓	1130	↓	↓	↓	✓	✓	
5	CS-SW43		↓	1136	↓	↓	↓	✓	✓	
6	CS-SW44		↓	1138	↓	↓	↓	✓	✓	
7										
8										
9										
10										
11										
12										
13										
14										
15										

ANALYSIS REQUESTED

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	6	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Carlos Hernandez	Printed Name:	Printed Name:
Date: 12-7-10 Time: 1503	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Julius
Date: Time:	Date: Time:	Date: 12/07/10 Time: 1503

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

APPENDIX B

SOIL MONITORING RECORDS

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 2, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: RAE Systems	Gas: Isobutylene	Name: Carlos Hernandez	Total Cubic Yds (This page)	
Model: MiniRAE 3000	Date: 10-20-10	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type: PID	By: Quin Rinnebrew	Phone: 714-289-0995	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment Excavation starts @ 0640	Time	VOC Reading (ppmv)	Comment
0649	0.0	Downwind of excavation			
0659	0.0				
0714	0.0				
0718	0.0				
0732	0.0				
0750	0.0				
0813	0.0				
0825	—	Excavating ceases			
1122	—	Excavating Resumes			
1128	0.0				
1137	0.0				
1148	0.0	Becomes foggy & drizzling			
1200	0.0				
1215	0.0				
1236	0.0				
1241	0.0				
1301	0.0				
1315		Stops excavating			

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE:_____ DATE:_____

10·28·10

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 2, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: RAE Systems	Gas: Isobutylene	Name: Carlos Hernandez	Total Cubic Yds (This page)	
Model: MiniRAE 3000	Date:	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type: PID	By:	Phone: 714-289-0995	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment 10·28·10
0654	—	Excavating begins. V. high winds
0712	0.0	collected down wind of excavation
0732	0.0	" "
0744	0.0	" "
0756	0.0	" "
0814	0.0	" "
0830	0.0	" "
0847	0.0	" "
0850	—	Excavating ceases
1152	—	Begin excavating impacted soil
1155	0.0	measured downwind of excavation
1206	0.0	" "
1217	0.0	" "
1229	0.0	" "
1243	0.0	" "
1255	0.0	" "
1303	0.0	
1315	0.0-0.2	
1322	—	Excavating ceases

Time	VOC Reading (ppmv)	Comment 10·29·10
0650	~~0650~~ 0.0	Excavating begins
0652	0.0	collected downwind of excavation
0706	0.0	" "
0713	0.0	" "
0733	0.0	" "
0742	0.0	" "
0750	0.0	" "
0758	0.0	" "
0815	0.0	" "
0829	0.0	" "
0850	0.0	" "
0905	0.0-0.3	" "
0915	0.0	" "
0931	0.0	" "
0939	0.0-0.2	" "
0941	—	Excavating ceases
1139	—	Excavating resumes
1144	0.0-0.2	Downwind of excavation
1150	0.0	" "
1202	0.0-0.4	" "
1215	0.0	" "
1226	0.0	" "
1238	0.0-0.2	" "
1245	0.0	" "
1246	—	excavating ceases

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Dani Kunelhen

DATE: 10·28·10 & 10·29·10

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 2, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: RAE Systems	Gas: Isobutylene	Name: Carlos Hernandez	Total Cubic Yds (This page)	
Model: MiniRAE 3000	Date: 10·31·10	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type: PID	By: Quin Kinnebrew	Phone: 714-289-0995	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment 11·01·10	Time	VOC Reading (ppmv)	Comment 11·05·10
0644	—	Start excavating	0657	—	Excavating begins
0655	0.0	Downwind of excavation; windy	0706	0.0	Down wind of excavation
0708	0.0	" "	0720	0.0	" "
0732	0.0	" "	0731	0.0	" "
0757	0.0	" "	0735	0.0-0.5	" "
0822	0.0	" "	0740	0.0-0.2	" "
0825	—	Excavating ceases	0800	0.0	" "
0915	—	Excavating begins	0821	0.0	" "
0916	0.0	Downwind of excavation	0847	0.0	" "
0934	0.0	" "	0908	0.0	" "
0957	0.0	" "	0921	0.0-0.1	" "
1011	—	Excavating ceases	0933	0.0-0.3	" "
1121	—	Excavating resumes	0942	0.0-0.8	" "
1131	0.0-0.2	Downwind of excavation	0945	—	Excavating ceases
1138	0.0-0.1	" "	1128	—	Excavating resumes
1140	0.0	" "	1135	0.0	Adjacent/Downwind of excavation
1203	0.0-0.3	" "	1142	0.0	" "
1219	0.0	" "	1154	0.0-0.2	" "
1229	0.0	" "	1215	0.0	" "
1239	0.0	" "	1229	—	Excavating ceases
1250	0.0	" "			

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Quin Kinnebrew DATE: 11·01·10

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 2, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: RAE Systems	Gas: Isobutylene	Name: Carlos Hernandez	Total Cubic Yds (This page)	
Model: MiniRAE 3000	Date: 11/2/10	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type: PID	By: CH	Phone: 714-289-0995	Removed from Site (To date)	

(No excavating on 11.3.10)

Time	VOC Reading (ppmv)	Comment 11.2.10	Time	VOC Reading (ppmv)	Comment 11.4.10
0640	0.0	Excavation begins (background)	0643	—	Excavating begins
0646	0.0	2" from soil (loader bucket)	0706	0.0	Downwind of excavation
0719	0.0	Downwind of excavation	0719	0.0	" "
0740	0.0	" "	0742	0.0	" "
0810	0.0	" "	0959	0.0	" "
0828	0.0	2" from excavation bottom (st. soil)	0918	0.0	" "
0840	0.0	2" from soil (in bucket)	0932	0.0	" "
0850	—	Excavation ceases	0949	0.0	" "
0912	0.0	Excavation resumes	0903	0.0	" "
0939	—	Excavation ceases	0910	—	Excavating ceases
1130	—	Excavation resumes	1115	—	Excavating resumes
1132	0.0	Upwind, near excavation	1121	0.6	Downwind of excavation
1150	0.0	2" from stained soil (in bucket)	1134	0.0	" "
1214	0.0	Downwind of excavation	1151	0.0	" "
1230	0.0	2" from bucket	1206	0.0	" "
1251	0.0	@ Excavation	1225	0.0-0.1	" "
1320	0.0	" "	1237	0.0	" "
1330	—	Excavation ceases	1245	0.0	" "
			1309	0.0	" "
			1310	—	Excavating ceases

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: [signature] DATE: 11/2/10

Owen Kunkler 11.4.10

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 22, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand:	Gas:	Name: Quin Kinnebrew	Total Cubic Yds (This page)	
Model:	Date:	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type:	By:	Phone: C: 714.315.5354	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment 11·09·10 (v. windy)	Time	VOC Reading (ppmv)	Comment 11·10·10 (calm)
0648	—	Excavating begins	0640	—	Excavating begins
0700	0.0	Downwind of excavation	0646	0.0	Downwind of sump excavation
0720	0.0	" "	0703	0.0	" "
0740	0.0	" "	0714	0.0	" "
0853	0.0	" "	0732	0.0	" "
0804	0.0	" "	0750	0.0	" "
0819	0.0	" "	0805	0.0-0.3	" "
0839	0.0	" "	0818	0.0	" "
0849	0.0-0.1	" "	0838	—	excavating ceases
0908	0.0	" "	1119	—	excavating resumes
0930	0.0	" "	1123	0.0	Downwind of excavation
0940	—	Excavating ceases	1135	0.0	" "
1007	—	Begin excavating	1143	0.0	" "
1125	0.0	Downwind of excavation	1150±	—	PID runs out of batteries
1147	0.0	" "	1300±	—	excavating ceases. No significant odors
1208	0.0	" "			
1225	0.0	" "			
1240	0.0	" "			
1301	0.0	" "			
1323	0.0	" " excavator taking break			
1340	0.0	Downwind of excavation			
1352	0.0	" "			
1411	0.0	" "			
1319	—	Excavating ceases			

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE:_____ DATE:_____

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 22, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand:	Gas:	Name: Quin Kinnebrew	Total Cubic Yds (This page)	
Model:	Date:	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type:	By:	Phone: C: 714.315.5354	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment 11-12-10 (v. windy)	Time	VOC Reading (ppmv)	Comment 11-16-10
0641	–	excavating begins	0652	0.0	Excavating begins &
0700	0.0	Downwind of excavation	0702	0.0	Downwind & adjacent to excavation
0714	0.0	" "	0713	0.0	" "
0737	0.0	" "	0721	0.0	" "
0756	0.0	" "	0733	0.0	" "
0812	0.0	" "	0750	0.0	" "
0822	0.0	" "	0752	0.0-0.4	" "
0831	0.0	" "	0804	0.0-0.5	" "
0847	0.0	" "	0812	0.0-1.0	" "
0900	0.0	" "	0823	0.0-3.7	" "
0920	0.0	" "	0833	0.0-0.3	" "
0921	—	Excavating ceases	0850	0.0-0.4	" "
1113	–	Excavating resumes	0902	0.0	" "
1127	0.0	Downwind & adjacent to excavation	0914	0.0	" "
1151	0.0	" "	0919	—	Excavating ceases
1207	0.0	" "	1158	—	Excavating resumes
1223	0.0	" "	1202	0.0	Downwind & adjacent to excavation
1231	—	Excavating ceases	1217	0.0	" "
			1231	0.0-0.2	" "
			1251	0.0-0.6	" "
			1304	0.0-0.4	" "
			1319	0.0-0.1	" "
			1326	0.0	" "
			1349	0.0-1.9	" "
			1358	—	excavating ceases

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Quin Kinnebrew

DATE: 11-12-10 & 11-16-10

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 22, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand:	Gas:	Name: Quin Kinnebrew	Total Cubic Yds (This page)	
Model:	Date:	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type:	By:	Phone: C: 714.315.5354	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment 11·17·10	Time	VOC Reading (ppmv)	Comment 11·18·10
0652	—	Begin excavating	0841	—	Begin excavating
0703	0.0	inside excavation w/excavato-	0851	0.0	Downwind & Adjacent to Excavation-
0720	0.0	" " (v. windy)	0911	0.0	" "
0733	0.0	" "	0926	0.0	" "
0743	0.0	" "	0936	—	Excavating ceases
0758	0.0	" "	1132	—	Excavating resumes
0813	0.0-0.1	" "	1142	0.0	Adjacent to excavation-downwind
0835	0.0	" "	1153	0.0-1.7	" " "
0849	0.0	" "	1206	0.0-1.6	" " "
0902	0.0	" "	1216	0.0-0.1	" " "
0920	—	Excavating ceases	1232	0.0-0.1	" " "
			1245	0.0	" " "
			1303	0.0	" " "
			1323	0.0	" " "
			1333	0.0	" " "
			1345	0.0	" " "
			1401	0.0	" " "
			1417	0.0	" " "
			1427	—	excavating ceases

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Quin Kinnebrew DATE: 11·17·10 11·18·10

Rule 1166 Soil Monitoring Records

Company Information		Site Information	
Name: Eco & Associates, Inc.		Name: Sump 22, Aliso Canyon	
Address: 1855 W. Katella Avenue, Suite 340		Address: 12801 Tampa Avenue	
City: Orange	Zip: 92867	City: Northridge	Zip: 91326

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand:	Gas:	Name: Quin Kinnebrew	Total Cubic Yds (This page)	
Model:	Date:	Company: Eco & Associates, Inc.	Total Cubic Yds (To date)	
Type:	By:	Phone: C: 714.315.5354	Removed from Site (To date)	

Time	VOC Reading (ppmv)	Comment 11-19-10 foggy & cold	Time	VOC Reading (ppmv)	Comment
0716	—	Excavating begins			
0720	0.0	Adjacent / downwind of excavation			
0738	0.0	" " "			
0746	0.0	" " "			
0807	0.0-0.4	" " "			
0827	0.0	" " "			
0842	0.0	" " "			
0901	0.0-3.0	" " "			
0913	0.0	" " "			
0925	0.0	- Begins to drizzle PID turned off			
1020	—	Excavating ~~off~~ ceases			

I certify that the information contained in the above document is true and correct. I further certify that the above listed VOC monitoring device was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Quin Kinnebrew DATE: 11-19-10

APPENDIX C

WASTE DISPOSAL DOCUMENTS

Soil Safe of California, Inc.

12328 Hibiscus Ave Adelanto, CA 92301
(760)246-8001

Job Summary Report

From: 1/1/2010 To: 12/31/2010

Date	Log #	Truck Company	Site Name	Net
A3-6138				
			10/12/2010	
10/12/2010	1	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	24.62
10/12/2010	2	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	24.37
10/12/2010	5	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	25.70
10/12/2010	3	VISSER	So Cal Gas -Aliso Canyon Storage Facility	27.09
10/12/2010	4	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	28.05
10/12/2010	7	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.74
10/12/2010	8	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	26.01
10/12/2010	6	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.09
10/12/2010	9	VISSER	So Cal Gas -Aliso Canyon Storage Facility	26.25
10/12/2010	10	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	26.07
			Total tons for Date = 10/12/2010 (10 trucks)	257.99
			10/13/2010	
10/13/2010	11	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.42
10/13/2010	15	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	21.90
10/13/2010	14	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	25.16
10/13/2010	12	VISSER	So Cal Gas -Aliso Canyon Storage Facility	25.03
10/13/2010	13	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	26.33
10/13/2010	18	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	24.70
10/13/2010	17	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.65
10/13/2010	16	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.03
10/13/2010	19	VISSER	So Cal Gas -Aliso Canyon Storage Facility	25.04
10/13/2010	20	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	25.39
			Total tons for Date = 10/13/2010 (10 trucks)	250.65
			10/14/2010	
10/14/2010	21	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.09
10/14/2010	22	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	24.90
10/14/2010	30	VISSER	So Cal Gas -Aliso Canyon Storage Facility	24.30
10/14/2010	24	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	26.73
10/14/2010	23	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	23.31
10/14/2010	25	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	20.44
10/14/2010	26	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	27.29
10/14/2010	28	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	24.81
10/14/2010	27	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	22.89
10/14/2010	29	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	24.40
10/14/2010	31	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.43
10/14/2010	32	VISSER	So Cal Gas -Aliso Canyon Storage Facility	26.61
10/14/2010	33	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.00
10/14/2010	34	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	27.88
10/14/2010	37	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	23.80
10/14/2010	36	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	21.24

Date	Log #	Truck Company	Site Name	Net
10/14/2010	35	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	23.41
10/14/2010	38	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.57
10/14/2010	39	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	24.37
10/14/2010	40	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.05
		Total tons for Date = 10/14/2010 (20 trucks)		492.52
			10/15/2010	
10/15/2010	42	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.30
10/15/2010	41	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.00
10/15/2010	44	VISSER	So Cal Gas -Aliso Canyon Storage Facility	26.99
10/15/2010	45	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	28.22
10/15/2010	43	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	26.08
10/15/2010	46	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	26.70
10/15/2010	47	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	23.15
10/15/2010	48	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	24.55
10/15/2010	49	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.62
10/15/2010	50	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	24.28
10/15/2010	51	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.55
10/15/2010	52	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	24.49
10/15/2010	53	VISSER	So Cal Gas -Aliso Canyon Storage Facility	24.80
10/15/2010	54	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	24.75
10/15/2010	56	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	24.40
10/15/2010	58	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.21
10/15/2010	55	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	23.66
10/15/2010	57	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	26.48
10/15/2010	59	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	21.65
10/15/2010	60	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	28.00
		Total tons for Date = 10/15/2010 (20 trucks)		507.88
			10/18/2010	
10/18/2010	61	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.55
10/18/2010	62	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.77
10/18/2010	64	VISSER	So Cal Gas -Aliso Canyon Storage Facility	27.34
10/18/2010	65	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	28.60
10/18/2010	63	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	24.96
10/18/2010	66	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	24.01
10/18/2010	67	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	28.36
10/18/2010	68	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	25.47
10/18/2010	69	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.37
10/18/2010	70	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	24.36
		Total tons for Date = 10/18/2010 (10 trucks)		259.79
			10/20/2010	
10/20/2010	71	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	20.26
10/20/2010	72	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	25.31
10/20/2010	74	VISSER	So Cal Gas -Aliso Canyon Storage Facility	26.82
10/20/2010	75	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	29.41
10/20/2010	73	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	24.21
10/20/2010	77	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	26.00
10/20/2010	76	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	24.78
10/20/2010	78	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	26.94

Date	Log #	Truck Company	Site Name	Net
10/20/2010	79	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	28.56
10/20/2010	80	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.51
10/20/2010	81	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.11
10/20/2010	82	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.23
10/20/2010	83	VISSER	So Cal Gas -Aliso Canyon Storage Facility	23.61
10/20/2010	84	VERHOEF	So Cal Gas -Aliso Canyon Storage Facility	26.56
10/20/2010	86	DAYTON	So Cal Gas -Aliso Canyon Storage Facility	25.43
10/20/2010	85	RAMIREZ	So Cal Gas -Aliso Canyon Storage Facility	23.44
10/20/2010	87	COURVILLE	So Cal Gas -Aliso Canyon Storage Facility	25.56
10/20/2010	88	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	25.53
10/20/2010	89	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.42
10/20/2010	90	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.08
			Total tons for Date = 10/20/2010 (20 trucks)	510.77
			10/28/2010	
10/28/2010	91	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	25.71
10/28/2010	92	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	20.86
10/28/2010	93	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.48
10/28/2010	94	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	26.27
10/28/2010	95	BB	So Cal Gas -Aliso Canyon Storage Facility	26.01
10/28/2010	97	JLKM	So Cal Gas -Aliso Canyon Storage Facility	25.88
10/28/2010	96	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.38
10/28/2010	99	OK	So Cal Gas -Aliso Canyon Storage Facility	24.57
10/28/2010	98	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	27.69
10/28/2010	100	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.39
10/28/2010	110	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.76
10/28/2010	101	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.33
10/28/2010	102	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.93
10/28/2010	103	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.43
10/28/2010	105	BB	So Cal Gas -Aliso Canyon Storage Facility	26.78
10/28/2010	106	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.90
10/28/2010	104	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	25.86
10/28/2010	108	OK	So Cal Gas -Aliso Canyon Storage Facility	23.21
10/28/2010	107	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	25.32
10/28/2010	109	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.05
			Total tons for Date = 10/28/2010 (20 trucks)	504.81
			10/29/2010	
10/29/2010	111	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.78
10/29/2010	112	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.47
10/29/2010	113	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.40
10/29/2010	114	OGGY	So Cal Gas -Aliso Canyon Storage Facility	19.65
10/29/2010	115	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.56
10/29/2010	116	OK	So Cal Gas -Aliso Canyon Storage Facility	22.65
10/29/2010	117	BB	So Cal Gas -Aliso Canyon Storage Facility	25.88
10/29/2010	118	JLKM	So Cal Gas -Aliso Canyon Storage Facility	25.25
10/29/2010	119	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	25.60
10/29/2010	120	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.14
10/29/2010	121	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.56
10/29/2010	122	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.31
10/29/2010	124	OGGY	So Cal Gas -Aliso Canyon Storage Facility	22.96

Date	Log #	Truck Company	Site Name	Net
10/29/2010	125	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.61
10/29/2010	126	OK	So Cal Gas -Aliso Canyon Storage Facility	22.87
10/29/2010	127	BB	So Cal Gas -Aliso Canyon Storage Facility	25.51
10/29/2010	128	JLKM	So Cal Gas -Aliso Canyon Storage Facility	26.77
10/29/2010	123	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.52
10/29/2010	129	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	24.74
10/29/2010	130	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.32
		Total tons for Date = 10/29/2010 (20 trucks)		490.55
			11/1/2010	
11/1/2010	131	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.99
11/1/2010	133	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.10
11/1/2010	134	OK	So Cal Gas -Aliso Canyon Storage Facility	22.64
11/1/2010	132	OK	So Cal Gas -Aliso Canyon Storage Facility	24.20
11/1/2010	135	BB	So Cal Gas -Aliso Canyon Storage Facility	25.62
11/1/2010	136	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.89
11/1/2010	137	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.65
11/1/2010	138	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	27.25
11/1/2010	139	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	21.52
11/1/2010	140	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.39
11/1/2010	142	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.18
11/1/2010	143	OK	So Cal Gas -Aliso Canyon Storage Facility	23.48
11/1/2010	144	BB	So Cal Gas -Aliso Canyon Storage Facility	25.48
11/1/2010	141	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	21.94
11/1/2010	145	OK	So Cal Gas -Aliso Canyon Storage Facility	23.50
11/1/2010	148	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.50
11/1/2010	149	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	24.45
11/1/2010	150	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.99
11/1/2010	146	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.96
11/1/2010	147	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.21
		Total tons for Date = 11/1/2010 (20 trucks)		491.94
			11/2/2010	
11/2/2010	151	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.82
11/2/2010	152	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.83
11/2/2010	153	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.21
11/2/2010	155	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.47
11/2/2010	154	OK	So Cal Gas -Aliso Canyon Storage Facility	24.26
11/2/2010	156	OK	So Cal Gas -Aliso Canyon Storage Facility	23.35
11/2/2010	157	BB	So Cal Gas -Aliso Canyon Storage Facility	26.03
11/2/2010	158	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	27.73
11/2/2010	160	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.56
11/2/2010	159	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	25.72
11/2/2010	161	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	24.35
11/2/2010	162	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	28.04
11/2/2010	163	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	25.66
11/2/2010	164	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	24.71
11/2/2010	166	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.31
11/2/2010	165	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.47
11/2/2010	168	OK	So Cal Gas -Aliso Canyon Storage Facility	24.44
11/2/2010	167	OK	So Cal Gas -Aliso Canyon Storage Facility	24.74

Date	Log #	Truck Company	Site Name	Net
11/2/2010	169	BB	So Cal Gas -Aliso Canyon Storage Facility	26.14
11/2/2010	172	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.78
11/2/2010	174	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	29.07
11/2/2010	173	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	25.16
11/2/2010	171	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.98
11/2/2010	170	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	27.07
			Total tons for Date = 11/2/2010 (24 trucks)	615.90
			11/4/2010	
11/4/2010	175	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.03
11/4/2010	176	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.77
11/4/2010	178	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.95
11/4/2010	179	OK	So Cal Gas -Aliso Canyon Storage Facility	22.94
11/4/2010	177	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	23.63
11/4/2010	184	BB	So Cal Gas -Aliso Canyon Storage Facility	26.80
11/4/2010	183	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.97
11/4/2010	182	JLKM	So Cal Gas -Aliso Canyon Storage Facility	28.80
11/4/2010	180	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.00
11/4/2010	186	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.43
11/4/2010	181	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	26.84
11/4/2010	185	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	24.70
11/4/2010	188	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	25.96
11/4/2010	189	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.71
11/4/2010	187	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.94
11/4/2010	190	OK	So Cal Gas -Aliso Canyon Storage Facility	23.95
11/4/2010	191	BB	So Cal Gas -Aliso Canyon Storage Facility	26.19
11/4/2010	194	JLKM	So Cal Gas -Aliso Canyon Storage Facility	27.02
11/4/2010	193	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.87
11/4/2010	192	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	22.85
11/4/2010	195	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.69
11/4/2010	196	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.06
11/4/2010	198	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.87
11/4/2010	197	VERSTEEG	So Cal Gas -Aliso Canyon Storage Facility	27.93
			Total tons for Date = 11/4/2010 (24 trucks)	616.90
			11/5/2010	
11/5/2010	199	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.40
11/5/2010	200	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.12
11/5/2010	202	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	26.13
11/5/2010	201	OK	So Cal Gas -Aliso Canyon Storage Facility	25.60
11/5/2010	203	OK	So Cal Gas -Aliso Canyon Storage Facility	22.24
11/5/2010	204	bb	So Cal Gas -Aliso Canyon Storage Facility	25.89
11/5/2010	205	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.93
11/5/2010	206	OGGY	So Cal Gas -Aliso Canyon Storage Facility	24.17
11/5/2010	207	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.95
11/5/2010	208	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	24.72
11/5/2010	210	JLKM	So Cal Gas -Aliso Canyon Storage Facility	26.78
11/5/2010	209	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.91
11/5/2010	211	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	25.70
11/5/2010	212	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	29.90
11/5/2010	213	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	25.01

Date	Log #	Truck Company	Site Name	Net
11/5/2010	214	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	25.36
11/5/2010	216	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.95
11/5/2010	215	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	22.78
11/5/2010	217	OK	So Cal Gas -Aliso Canyon Storage Facility	24.52
11/5/2010	218	OK	So Cal Gas -Aliso Canyon Storage Facility	23.86
11/5/2010	219	BB	So Cal Gas -Aliso Canyon Storage Facility	26.31
11/5/2010	220	OGGY	So Cal Gas -Aliso Canyon Storage Facility	23.58
11/5/2010	221	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.97
11/5/2010	222	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	25.62
11/5/2010	224	JLKM	So Cal Gas -Aliso Canyon Storage Facility	27.21
11/5/2010	227	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.99
11/5/2010	228	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	24.69
11/5/2010	226	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	28.15
11/5/2010	223	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.75
11/5/2010	225	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.49
			Total tons for Date = 11/5/2010 (30 trucks)	764.68
			11/8/2010	
11/8/2010	229	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.40
11/8/2010	230	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	23.34
11/8/2010	231	OK	So Cal Gas -Aliso Canyon Storage Facility	20.16
11/8/2010	232	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.32
11/8/2010	233	OK	So Cal Gas -Aliso Canyon Storage Facility	23.07
11/8/2010	234	BB	So Cal Gas -Aliso Canyon Storage Facility	26.42
11/8/2010	235	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.10
11/8/2010	236	OGGY	So Cal Gas -Aliso Canyon Storage Facility	19.65
11/8/2010	237	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.11
11/8/2010	238	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	24.17
11/8/2010	239	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	26.30
11/8/2010	240	JLKM	So Cal Gas -Aliso Canyon Storage Facility	26.47
11/8/2010	241	VANKAMPEN	So Cal Gas -Aliso Canyon Storage Facility	25.46
11/8/2010	242	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	22.50
11/8/2010	243	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	25.28
			Total tons for Date = 11/8/2010 (15 trucks)	362.75
			11/9/2010	
11/9/2010	244	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.56
11/9/2010	245	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	21.08
11/9/2010	246	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	23.63
11/9/2010	248	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.92
11/9/2010	247	OK	So Cal Gas -Aliso Canyon Storage Facility	23.74
11/9/2010	249	OK	So Cal Gas -Aliso Canyon Storage Facility	23.86
11/9/2010	250	BB	So Cal Gas -Aliso Canyon Storage Facility	25.73
11/9/2010	251	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.06
11/9/2010	252	OGGY	So Cal Gas -Aliso Canyon Storage Facility	22.36
11/9/2010	253	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.33
11/9/2010	254	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	24.34
11/9/2010	256	JLKM	So Cal Gas -Aliso Canyon Storage Facility	26.59
11/9/2010	255	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.76
11/9/2010	258	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.57
11/9/2010	257	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.00

Date	Log #	Truck Company	Site Name	Net
11/9/2010	259	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	25.13
11/9/2010	261	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	21.86
11/9/2010	262	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	25.55
11/9/2010	260	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.60
11/9/2010	263	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.34
11/9/2010	265	OK	So Cal Gas -Aliso Canyon Storage Facility	22.70
11/9/2010	264	OK	So Cal Gas -Aliso Canyon Storage Facility	25.17
11/9/2010	266	BB	So Cal Gas -Aliso Canyon Storage Facility	25.87
11/9/2010	268	OGGY	So Cal Gas -Aliso Canyon Storage Facility	22.99
11/9/2010	267	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.90
11/9/2010	269	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	27.01
11/9/2010	270	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	23.80
11/9/2010	272	JLKM	So Cal Gas -Aliso Canyon Storage Facility	26.91
11/9/2010	271	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.46
11/9/2010	273	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.89
			Total tons for Date = 11/9/2010 (30 trucks)	739.71
			11/10/2010	
11/10/2010	274	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.69
11/10/2010	275	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.08
11/10/2010	276	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.01
11/10/2010	277	OK	So Cal Gas -Aliso Canyon Storage Facility	23.51
11/10/2010	278	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	24.40
11/10/2010	279	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	26.16
11/10/2010	280	OK	So Cal Gas -Aliso Canyon Storage Facility	23.33
11/10/2010	281	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.10
11/10/2010	282	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.25
11/10/2010	283	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	24.67
11/10/2010	284	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.01
11/10/2010	285	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.66
11/10/2010	286	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.02
11/10/2010	288	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.91
11/10/2010	287	OK	So Cal Gas -Aliso Canyon Storage Facility	23.58
11/10/2010	289	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.48
11/10/2010	290	OK	So Cal Gas -Aliso Canyon Storage Facility	23.25
11/10/2010	293	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	26.44
11/10/2010	292	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	25.67
11/10/2010	291	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.49
			Total tons for Date = 11/10/2010 (20 trucks)	496.71
			11/12/2010	
11/12/2010	294	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.43
11/12/2010	295	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.80
11/12/2010	296	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.15
11/12/2010	297	OK	So Cal Gas -Aliso Canyon Storage Facility	24.14
11/12/2010	299	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	26.52
11/12/2010	298	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.37
11/12/2010	300	OK	So Cal Gas -Aliso Canyon Storage Facility	22.94
11/12/2010	302	BB	So Cal Gas -Aliso Canyon Storage Facility	26.22
11/12/2010	304	EL JEREZANO	So Cal Gas -Aliso Canyon Storage Facility	24.39
11/12/2010	301	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	22.54

Date	Log #	Truck Company	Site Name	Net
11/12/2010	303	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.27
11/12/2010	305	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	26.03
11/12/2010	306	JLKM	So Cal Gas -Aliso Canyon Storage Facility	24.24
11/12/2010	307	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.72
11/12/2010	308	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.84
11/12/2010	309	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	25.75
11/12/2010	310	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	23.36
11/12/2010	311	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	26.07
11/12/2010	312	OK	So Cal Gas -Aliso Canyon Storage Facility	23.27
11/12/2010	313	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.50
11/12/2010	314	OK	So Cal Gas -Aliso Canyon Storage Facility	24.42
			Total tons for Date = 11/12/2010 (21 trucks)	521.97
			11/16/2010	
11/16/2010	315	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.60
11/16/2010	316	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	23.11
11/16/2010	317	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.30
11/16/2010	319	OK	So Cal Gas -Aliso Canyon Storage Facility	23.51
11/16/2010	318	OK	So Cal Gas -Aliso Canyon Storage Facility	23.27
11/16/2010	320	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.41
11/16/2010	321	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	24.35
11/16/2010	323	JLKM	So Cal Gas -Aliso Canyon Storage Facility	26.50
11/16/2010	322	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	24.49
11/16/2010	324	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.78
11/16/2010	325	SIN	So Cal Gas -Aliso Canyon Storage Facility	23.27
11/16/2010	326	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	24.55
11/16/2010	327	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	27.86
11/16/2010	328	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	26.10
11/16/2010	329	MIKE AND SON	So Cal Gas -Aliso Canyon Storage Facility	25.42
11/16/2010	330	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	22.37
11/16/2010	331	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	25.23
11/16/2010	333	OK	So Cal Gas -Aliso Canyon Storage Facility	23.89
11/16/2010	332	OK	So Cal Gas -Aliso Canyon Storage Facility	24.01
11/16/2010	336	JLKM	So Cal Gas -Aliso Canyon Storage Facility	27.01
11/16/2010	334	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	25.55
11/16/2010	335	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	25.12
11/16/2010	337	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	21.30
11/16/2010	338	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	25.84
11/16/2010	339	SIN	So Cal Gas -Aliso Canyon Storage Facility	23.18
11/16/2010	340	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.30
11/16/2010	341	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	28.22
11/16/2010	342	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	25.56
11/16/2010	343	MIKE AND SON	So Cal Gas -Aliso Canyon Storage Facility	25.44
			Total tons for Date = 11/16/2010 (29 trucks)	725.54
			11/18/2010	
11/18/2010	344	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	22.71
11/18/2010	346	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	24.93
11/18/2010	345	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.09
11/18/2010	348	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	26.50
11/18/2010	347	OK	So Cal Gas -Aliso Canyon Storage Facility	19.59

Date	Log #	Truck Company	Site Name	Net	
11/18/2010	349	OK	So Cal Gas -Aliso Canyon Storage Facility	22.45	
11/18/2010	350	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.57	
11/18/2010	351	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	25.35	
11/18/2010	352	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	24.85	
11/18/2010	353	OGGY	So Cal Gas -Aliso Canyon Storage Facility	25.25	
11/18/2010	354	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	26.45	
11/18/2010	355	SIN	So Cal Gas -Aliso Canyon Storage Facility	23.59	
11/18/2010	356	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.77	
11/18/2010	357	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.58	
11/18/2010	358	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	23.81	
11/18/2010	359	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.57	
11/18/2010	360	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	21.54	
11/18/2010	361	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	28.48	
11/18/2010	363	OK	So Cal Gas -Aliso Canyon Storage Facility	23.66	
11/18/2010	362	OK	So Cal Gas -Aliso Canyon Storage Facility	24.24	
11/18/2010	364	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	24.78	
11/18/2010	365	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.12	
11/18/2010	366	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	23.84	
11/18/2010	367	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	22.54	
11/18/2010	368	OGGY	So Cal Gas -Aliso Canyon Storage Facility	23.47	
11/18/2010	369	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	25.94	
11/18/2010	372	SIN	So Cal Gas -Aliso Canyon Storage Facility	23.28	
11/18/2010	370	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	25.88	
11/18/2010	371	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	25.72	
11/18/2010	873	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	26.15	
			Total tons for Date = 11/18/2010 (30 trucks)		736.70
			11/19/2010		
11/19/2010	374	GAUNT	So Cal Gas -Aliso Canyon Storage Facility	24.38	
11/19/2010	375	FREEMAN	So Cal Gas -Aliso Canyon Storage Facility	22.01	
11/19/2010	376	DON FAIN	So Cal Gas -Aliso Canyon Storage Facility	27.14	
11/19/2010	378	CARRILLO	So Cal Gas -Aliso Canyon Storage Facility	25.17	
11/19/2010	379	OK	So Cal Gas -Aliso Canyon Storage Facility	22.95	
11/19/2010	377	OK	So Cal Gas -Aliso Canyon Storage Facility	23.14	
11/19/2010	381	CAMACHO	So Cal Gas -Aliso Canyon Storage Facility	27.02	
11/19/2010	380	ESTRADA	So Cal Gas -Aliso Canyon Storage Facility	26.50	
11/19/2010	382	OGGY	So Cal Gas -Aliso Canyon Storage Facility	25.24	
11/19/2010	383	GONZALEZ	So Cal Gas -Aliso Canyon Storage Facility	26.39	
11/19/2010	384	ESQUEDA	So Cal Gas -Aliso Canyon Storage Facility	24.92	
11/19/2010	385	SIN	So Cal Gas -Aliso Canyon Storage Facility	23.50	
11/19/2010	386	MIRAMONTES	So Cal Gas -Aliso Canyon Storage Facility	26.97	
11/19/2010	387	KEVIN MEAD	So Cal Gas -Aliso Canyon Storage Facility	26.11	
11/19/2010	388	SANDOVAL	So Cal Gas -Aliso Canyon Storage Facility	25.88	
			Total tons for Date = 11/19/2010 (15 trucks)		377.32
Total tons for Approval Number' = A3-6138 (388 trucks)					9725.08
Grand Total				9725.08	

APPENDIX D

LABORATORY REPORTS

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Southern California Gas Company **555 W. 5th St.-GT16 G2** **Los Angeles, CA 90013-1011**	**Number of Pages 14** **Date Received 11/23/2010** **Date Reported 12/01/2010**

Telephone: (213)244-3292
Attention: Masood Hosseini

Job Number	Order Date	Client
59123	11/23/2010	SC/G

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility
Site: Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64535

AETL JOB No. 59123

Page 1 of 1

COMPANY: Eco & Associates, Inc.
PROJECT MANAGER:
COMPANY ADDRESS: 1855 W. Katella Ave., Ste. 340, Orange, CA
PHONE:
FAX:
PROJECT NAME: SCG/Aliso Canyon - Sump 2
PROJECT #:
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 c.c.)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	CS-SW14	59123.01	11.23.10	1153	Soil	One 4oz Glass	Ice	X	X	
2	CS-SW15	59123.02	↓	1156	↓	↓	↓	X	X	
3	CS-SW16	59123.03	↓	1200	↓	↓	↓	X	X	
4	CS-SW17	59123.04	↓	1204	↓	↓	↓	X	X	
5	CS-SW18	59123.05	↓	1209	↓	↓	↓	X	X	
6	CS-SW19	59123.06	↓	1213	↓	↓	↓	X	X	
7	CS-SW20	59123.07	↓	1220	↓	↓	↓	X	X	
8	CS-SW21	59123.08	↓	1229	↓	↓	↓	X	X	
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	8	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS Y / N / NA		SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Quin Kinnebrew	Signature:	Signature:
Printed Name: Quin Kinnebrew	Printed Name:	Printed Name:
Date: 11.23.10 Time: 1501	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Juan Chavez
Date: Time:	Date: Time:	Date: 11/23/10 Time: 1501

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 2

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1

Our Lab I.D.			Method Blank	59123.01	59123.02	59123.03	59123.04
Client Sample I.D.				CS-SW14	CS-SW15	CS-SW16	CS-SW17
Date Sampled				11/23/2010	11/23/2010	11/23/2010	11/23/2010
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1

Our Lab I.D.			Method Blank	59123.01	59123.02	59123.03	59123.04
Client Sample I.D.				CS-SW14	CS-SW15	CS-SW16	CS-SW17
Date Sampled				11/23/2010	11/23/2010	11/23/2010	11/23/2010
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	5.0	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1

Our Lab I.D.			Method Blank	**59123.01**	**59123.02**	**59123.03**	**59123.04**
Client Sample I.D.				CS-SW14	CS-SW15	CS-SW16	CS-SW17
Date Sampled				11/23/2010	11/23/2010	11/23/2010	11/23/2010
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59123.01**	**59123.02**	**59123.03**	**59123.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		99.4	100	107	98.8	96.8
Dibromofluoromethane	75-125		93.9	96.9	96.8	93.4	97.7
Toluene-d8	75-125		105	104	102	103	105

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 5

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1

Our Lab I.D.			59123.05	59123.06	59123.07	59123.08	
Client Sample I.D.			CS-SW18	CS-SW19	CS-SW20	CS-SW21	
Date Sampled			11/23/2010	11/23/2010	11/23/2010	11/23/2010	
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1

Our Lab I.D.			59123.05	59123.06	59123.07	59123.08	
Client Sample I.D.			CS-SW18	CS-SW19	CS-SW20	CS-SW21	
Date Sampled			11/23/2010	11/23/2010	11/23/2010	11/23/2010	
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	5.0	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1

Our Lab I.D.			**59123.05**	**59123.06**	**59123.07**	**59123.08**	
Client Sample I.D.			CS-SW18	CS-SW19	CS-SW20	CS-SW21	
Date Sampled			11/23/2010	11/23/2010	11/23/2010	11/23/2010	
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			**59123.05**	**59123.06**	**59123.07**	**59123.08**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		97.8	97.6	97.4	100	
Dibromofluoromethane	75-125		96.6	90.1	88.3	89.5	
Toluene-d8	75-125		105	105	107	104	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 8

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112410NB1

Our Lab I.D.			Method Blank	**59123.01**	**59123.02**	**59123.03**	**59123.04**
Client Sample I.D.				CS-SW14	CS-SW15	CS-SW16	CS-SW17
Date Sampled				11/23/2010	11/23/2010	11/23/2010	11/23/2010
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59123.01**	**59123.02**	**59123.03**	**59123.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		82.8	81.6	84.2	81.4	92.0

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 9

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112410NB1

Our Lab I.D.			**59123.05**	**59123.06**	**59123.07**	**59123.08**	
Client Sample I.D.			CS-SW18	CS-SW19	CS-SW20	CS-SW21	
Date Sampled			11/23/2010	11/23/2010	11/23/2010	11/23/2010	
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			**59123.05**	**59123.06**	**59123.07**	**59123.08**	
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		93.6	84.0	83.0	82.8	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 10

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112410DB1

Our Lab I.D.			Method Blank	**59123.01**	**59123.02**	**59123.03**	**59123.04**
Client Sample I.D.				CS-SW14	CS-SW15	CS-SW16	CS-SW17
Date Sampled				11/23/2010	11/23/2010	11/23/2010	11/23/2010
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	369
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	5.90	ND	2.18J	3,990
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	5.90	ND	2.18J	4,360
Our Lab I.D.			Method Blank	**59123.01**	**59123.02**	**59123.03**	**59123.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		101	86.7	87.6	86.2	87.3

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 11

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112410DB1

Our Lab I.D.			**59123.05**	**59123.06**	**59123.07**	**59123.08**	
Client Sample I.D.			CS-SW18	CS-SW19	CS-SW20	CS-SW21	
Date Sampled			11/23/2010	11/23/2010	11/23/2010	11/23/2010	
Date Prepared			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/24/2010	11/24/2010	11/24/2010	11/24/2010	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	20.1	ND	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	29.4	96.1	ND	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	29.4	116	ND	
Our Lab I.D.			**59123.05**	**59123.06**	**59123.07**	**59123.08**	
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		88.5	86.8	86.5	88.8	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 12

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1124102A1; Dup or Spiked Sample: B1124102A1; LCS: Clean Sand; QC Prepared: 11/24/2010; QC Analyzed: 11/24/2010; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	45.2	90.4	50.0	46.8	93.6	3.48	75-125	<20
Chlorobenzene	0.00	50.0	52.0	104	50.0	54.5	109	4.69	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.5	89.0	50.0	45.2	90.4	1.56	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	44.9	89.8	50.0	45.9	91.8	2.20	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	46.0	92.0	50.0	49.2	98.4	6.72	75-125	<20
Trichloroethene	0.00	50.0	47.2	94.4	50.0	49.7	99.4	5.16	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.3	90.5	50.0	45.7	91.3	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	45.2	90.4	50.0	44.6	89.2	1.33	75-125	<20
Toluene-d8	0.00	50.0	48.9	97.8	50.0	49.2	98.3	<1	75-125	<20

QC Batch No: 1124102A1; Dup or Spiked Sample: B1124102A1; LCS: Clean Sand; QC Prepared: 11/24/2010; QC Analyzed: 11/24/2010; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	47.1	94.2	75-125						
Chlorobenzene	50.0	56.3	113	75-125						
1,1-Dichloroethene	50.0	44.6	89.2	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	46.2	92.4	75-125						
Toluene (Methyl benzene)	50.0	50.1	100	75-125						
Trichloroethene	50.0	49.7	99.4	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	45.6	91.2	75-125						
Ethylbenzene	50.0	54.9	110	75-125						
1,1,1-Trichloroethane	50.0	48.6	97.2	75-125						
o-Xylene	50.0	57.2	114	75-125						
m,p-Xylenes	100	113	113	75-125						
Surrogates										
Bromofluorobenzene	50.0	45.0	90.0	75-125						
Dibromofluoromethane	50.0	45.7	91.4	75-125						
Toluene-d8	50.0	50.5	101	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 13

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SCG

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 112410DB1; Dup or Spiked Sample: B112410; LCS: Clean Sand; QC Prepared: 11/24/2010; QC Analyzed: 11/24/2010; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	465 X	93.0	500	467 X	93.4	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	99.8 X	99.8	100	100 X	100	<1	75-125	<20

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 14

Site

Aliso Cyn Gas Storage Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Storage Facility

AETL Job Number	Submitted	Client
59123	11/23/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 112410NB1; Dup or Spiked Sample: B112410NB1; LCS: Clean Sand; QC Prepared: 11/24/2010; QC Analyzed: 11/24/2010; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	1.14	114	1.00	0.980	98.3	14.8	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0505	101	0.0500	0.0432	86.4	14.5	75-125	<20

QC Batch No: 112410NB1; Dup or Spiked Sample: B112410NB1; LCS: Clean Sand; QC Prepared: 11/24/2010; QC Analyzed: 11/24/2010; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.06	106	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0514	103	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Southern California Gas Company **555 W. 5th St.-GT16 G2** **Los Angeles, CA 90013-1011**	**Number of Pages 34** **Date Received 11/30/2010** **Date Reported 12/06/2010**

Telephone: (213)244-3292
Attention: Masood Hosseini

Job Number	Order Date	Client
59167	11/30/2010	SC/G

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility
Site: Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Enclosed please find results of analyses of 17 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64533

AETL JOB No. 59167

COMPANY: So Cal Gas - Eco & Associates
PROJECT MANAGER: Masood Hosseini
COMPANY ADDRESS: 1855 W. Katella Ave, Ste 340, Orange CA
PHONE:
FAX:
PROJECT NAME: Aliso Canyon - Sump 2
PROJECT #: Eco-05-205.2
SITE NAME AND ADDRESS:
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 e.c.)	VOCs (8260B)									TEST INSTRUCTIONS & COMMENTS
1	CS-SW22	59167.01	11/30/10	0920	Soil	1/4oz Jar	Ice	✓	✓									
2	CS-SW23	59167.02		0922				✓	✓									
3	CS-SW24	59167.03		1144				✓	✓									
4	CS-SW25	59167.04		1140				✓	✓									
5	CS-SW26	59167.05		1130				✓	✓									
6	CS-SW27	59167.06		1134				✓	✓									
7	CS-SW28	59167.07		1136				✓	✓									
8	CS-SW29	59167.08		1124				✓	✓									
9	CS-SW30	59167.09		1126				✓	✓									
10	CS-SW31	59167.10		1128				✓	✓									
11	CS-SW32	59167.11		1118				✓	✓									
12	CS-SW33	59167.12		1120				✓	✓									
13	CS-SW34	59167.13		1148				✓	✓									
14	CS-SW35	59167.14		1150				✓	✓									
15	CS-SW36	59167.15		1155				✓	✓									

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS Y / N / NA		SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Carlos Hernandez	Printed Name:	Printed Name:
Date: 11/30/10 Time: 1530	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Jean Claude
Date: Time:	Date: Time:	Date: 11/30/10 Time: 1530

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64534

AETL JOB No. 59167

COMPANY: So Cal Gas - Eco & Associates
PROJECT MANAGER: Masood Hosseini
COMPANY ADDRESS: 1855 W Katella Ave, Ste 340, Orange CA
PHONE:
FAX:
PROJECT NAME: Aliso Canyon - Sump 2
PROJECT #: Eco-05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015 ce)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	CS-SW37	59167-16	11/30/10	1157	Soil	1 / 4oz. Jar	Ice	✓	✓	
2	CS-SW38	59167-17	"	1158	"	"	"	✓	✓	
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	2	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS Y / N / NA		SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Carlos Hernandez	Printed Name:	Printed Name:
Date: 11/30/10 Time: 1530	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Dan Lande
Date: Time:	Date: Time:	Date: 11/30/10 Time: 1530

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 2

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Client Sample I.D.				CS-SW22	CS-SW23	CS-SW24	CS-SW25
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/01/2010	12/01/2010	12/01/2010	12/01/2010	12/01/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/01/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Client Sample I.D.				CS-SW22	CS-SW23	CS-SW24	CS-SW25
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/01/2010	12/01/2010	12/01/2010	12/01/2010	12/01/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/01/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	5.0	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Client Sample I.D.				CS-SW22	CS-SW23	CS-SW24	CS-SW25
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/01/2010	12/01/2010	12/01/2010	12/01/2010	12/01/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/01/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		109	110	107	110	110
Dibromofluoromethane	75-125		108	116	112	114	114
Toluene-d8	75-125		110	101	102	100	104

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 5

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.05**				
Client Sample I.D.			CS-SW26				
Date Sampled			11/30/2010				
Date Prepared			12/01/2010				
Preparation Method			5030B				
Date Analyzed			12/02/2010				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.05**				
Client Sample I.D.			CS-SW26				
Date Sampled			11/30/2010				
Date Prepared			12/01/2010				
Preparation Method			5030B				
Date Analyzed			12/02/2010				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	5.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	5.0	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.05**				
Client Sample I.D.			CS-SW26				
Date Sampled			11/30/2010				
Date Prepared			12/01/2010				
Preparation Method			5030B				
Date Analyzed			12/02/2010				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	15	30	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**59167.05**				
Surrogates	%Rec. Limit		% Rec.				
Bromofluorobenzene	75-125		109				
Dibromofluoromethane	75-125		113				
Toluene-d8	75-125		105				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 8

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1202102A1

Our Lab I.D.			Method Blank	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Client Sample I.D.				CS-SW27	CS-SW28	CS-SW29	CS-SW30
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1202102A1

Our Lab I.D.			Method Blank	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Client Sample I.D.				CS-SW27	CS-SW28	CS-SW29	CS-SW30
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	5.0	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1202102A1

Our Lab I.D.			Method Blank	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Client Sample I.D.				CS-SW27	CS-SW28	CS-SW29	CS-SW30
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		108	108	104	103	102
Dibromofluoromethane	75-125		106	107	110	109	110
Toluene-d8	75-125		106	101	101	103	99.3

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 11

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A1

Our Lab I.D.			Method Blank	**59167.10**	**59167.11**		
Client Sample I.D.				CS-SW31	CS-SW32		
Date Sampled				11/30/2010	11/30/2010		
Date Prepared			12/01/2010	12/01/2010	12/01/2010		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			12/01/2010	12/01/2010	12/01/2010		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	Results	Results	Results		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A1

Our Lab I.D.			Method Blank	**59167.10**	**59167.11**		
Client Sample I.D.				CS-SW31	CS-SW32		
Date Sampled				11/30/2010	11/30/2010		
Date Prepared			12/01/2010	12/01/2010	12/01/2010		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			12/01/2010	12/01/2010	12/01/2010		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	5.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	5.0	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A1

Our Lab I.D.			Method Blank	**59167.10**	**59167.11**		
Client Sample I.D.				CS-SW31	CS-SW32		
Date Sampled				11/30/2010	11/30/2010		
Date Prepared			12/01/2010	12/01/2010	12/01/2010		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			12/01/2010	12/01/2010	12/01/2010		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	Results	Results	Results		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**59167.10**	**59167.11**		
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		106	108	106		
Dibromofluoromethane	75-125		106	108	109		
Toluene-d8	75-125		105	100	102		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 14

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.12**	**59167.13**	**59167.14**	**59167.15**	**59167.16**
Client Sample I.D.			CS-SW33	CS-SW34	CS-SW35	CS-SW36	CS-SW37
Date Sampled			11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/01/2010	12/01/2010	12/01/2010	12/01/2010	12/01/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/01/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.12**	**59167.13**	**59167.14**	**59167.15**	**59167.16**
Client Sample I.D.			CS-SW33	CS-SW34	CS-SW35	CS-SW36	CS-SW37
Date Sampled			11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/01/2010	12/01/2010	12/01/2010	12/01/2010	12/01/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/01/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	5.0	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.12**	**59167.13**	**59167.14**	**59167.15**	**59167.16**
Client Sample I.D.			CS-SW33	CS-SW34	CS-SW35	CS-SW36	CS-SW37
Date Sampled			11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/01/2010	12/01/2010	12/01/2010	12/01/2010	12/01/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/01/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			**59167.12**	**59167.13**	**59167.14**	**59167.15**	**59167.16**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		104	107	113	107	106
Dibromofluoromethane	75-125		112	111	114	114	113
Toluene-d8	75-125		103	104	108	107	104

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 17

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.17**				
Client Sample I.D.			CS-SW38				
Date Sampled			11/30/2010				
Date Prepared			12/01/2010				
Preparation Method			5030B				
Date Analyzed			12/02/2010				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.17**				
Client Sample I.D.			CS-SW38				
Date Sampled			11/30/2010				
Date Prepared			12/01/2010				
Preparation Method			5030B				
Date Analyzed			12/02/2010				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	5.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	5.0	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2

Our Lab I.D.			**59167.17**				
Client Sample I.D.			CS-SW38				
Date Sampled			11/30/2010				
Date Prepared			12/01/2010				
Preparation Method			5030B				
Date Analyzed			12/02/2010				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	15	30	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**59167.17**				
Surrogates	%Rec. Limit		% Rec.				
Bromofluorobenzene	75-125		106				
Dibromofluoromethane	75-125		112				
Toluene-d8	75-125		102				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 20

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB1

Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Client Sample I.D.				CS-SW22	CS-SW23	CS-SW24	CS-SW25
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/03/2010	12/04/2010	12/04/2010	12/04/2010	12/04/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		89.8	96.4	96.6	92.4	91.6

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 21

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB1

Our Lab I.D.			**59167.05**				
Client Sample I.D.			CS-SW26				
Date Sampled			11/30/2010				
Date Prepared			12/03/2010				
Preparation Method			5030B				
Date Analyzed			12/04/2010				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	Results				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**59167.05**				
Surrogates	%Rec. Limit		% Rec.				
Bromofluorobenzene	75-125		93.2				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 22

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB2

Our Lab I.D.			Method Blank	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Client Sample I.D.				CS-SW27	CS-SW28	CS-SW29	CS-SW30
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/04/2010	12/04/2010	12/04/2010	12/04/2010	12/04/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		87.6	93.0	93.4	92.8	93.4

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 23

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB2

Our Lab I.D.			**59167.10**	**59167.11**	**59167.12**	**59167.13**	**59167.14**
Client Sample I.D.			CS-SW31	CS-SW32	CS-SW33	CS-SW34	CS-SW35
Date Sampled			11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			12/04/2010	12/04/2010	12/04/2010	12/04/2010	12/04/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			**59167.10**	**59167.11**	**59167.12**	**59167.13**	**59167.14**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		92.8	92.0	92.4	91.0	90.8

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 24

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB2

Our Lab I.D.			**59167.15**	**59167.16**	**59167.17**		
Client Sample I.D.			CS-SW36	CS-SW37	CS-SW38		
Date Sampled			11/30/2010	11/30/2010	11/30/2010		
Date Prepared			12/03/2010	12/03/2010	12/03/2010		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			12/04/2010	12/04/2010	12/04/2010		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	Results	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			**59167.15**	**59167.16**	**59167.17**		
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		97.8	93.6	92.2		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 25

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120210DB1

Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Client Sample I.D.				CS-SW22	CS-SW23	CS-SW24	CS-SW25
Date Sampled				11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	105
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	17.5	29.1	68.6	1,130
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	17.5	29.1	68.6	1,240
Our Lab I.D.			Method Blank	**59167.01**	**59167.02**	**59167.03**	**59167.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		97.6	82.7	93.8	91.8	95.6

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 26

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120210DB1

Our Lab I.D.			**59167.05**	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Client Sample I.D.			CS-SW26	CS-SW27	CS-SW28	CS-SW29	CS-SW30
Date Sampled			11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	53.0	21.1	87.0	ND	396
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	533	268	496	100	2,490
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	586	289	583	100	2,890
Our Lab I.D.			**59167.05**	**59167.06**	**59167.07**	**59167.08**	**59167.09**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		94.0	97.7	88.9	95.6	95.1

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 27

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SC/G

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120210DB1

Our Lab I.D.			**59167.10**	**59167.11**	**59167.12**	**59167.13**	**59167.14**
Client Sample I.D.			CS-SW31	CS-SW32	CS-SW33	CS-SW34	CS-SW35
Date Sampled			11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
Date Prepared			12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			12/02/2010	12/02/2010	12/02/2010	12/03/2010	12/03/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	20.1	196	116	60.7	112
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	280	1,890	1,180	646	1,170
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	300	2,090	1,300	707	1,280
Our Lab I.D.			**59167.10**	**59167.11**	**59167.12**	**59167.13**	**59167.14**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		94.1	97.2	94.5	93.3	92.9

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 28

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120210DB1

Our Lab I.D.			**59167.15**	**59167.16**	**59167.17**		
Client Sample I.D.			CS-SW36	CS-SW37	CS-SW38		
Date Sampled			11/30/2010	11/30/2010	11/30/2010		
Date Prepared			12/02/2010	12/02/2010	12/02/2010		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			12/03/2010	12/03/2010	12/03/2010		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	Results	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	15.2	60.0	31.5		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	186	468	265		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	201	528	297		
Our Lab I.D.			**59167.15**	**59167.16**	**59167.17**		
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.		
Chlorobenzene	75-125		96.6	96.0	95.9		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 29

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A1; Dup or Spiked Sample: B1201102A1; LCS: Clean Sand; QC Prepared: 12/01/2010; QC Analyzed: 12/01/2010; Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	52.6	105	50.0	54.1	108	2.82	75-125	<20	
Chlorobenzene	50.0	49.8	99.6	50.0	51.1	102	2.38	75-125	<20	
1,1-Dichloroethene	50.0	52.6	105	50.0	54.0	108	2.82	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	59.2	118	50.0	60.4	121	2.51	75-125	<20	
Toluene (Methyl benzene)	50.0	48.0	96.0	50.0	49.0	98.0	2.06	75-125	<20	
Trichloroethene	50.0	49.0	98.0	50.0	51.1	102	4.00	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.7	97.4	50.0	49.3	98.5	1.13	75-125	<20	
Dibromofluoromethane	50.0	53.9	108	50.0	54.2	108	<1	75-125	<20	
Toluene-d8	50.0	47.8	95.6	50.0	48.4	96.8	1.26	75-125	<20	

QC Batch No: 1201102A1; Dup or Spiked Sample: B1201102A1; LCS: Clean Sand; QC Prepared: 12/01/2010; QC Analyzed: 12/01/2010; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	50.6	101	75-125						
Chlorobenzene	50.0	49.4	98.8	75-125						
1,1-Dichloroethene	50.0	51.6	103	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	56.7	113	75-125						
Toluene (Methyl benzene)	50.0	48.1	96.2	75-125						
Trichloroethene	50.0	47.7	95.4	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	55.3	111	75-125						
Ethylbenzene	50.0	50.0	100	75-125						
1,1,1-Trichloroethane	50.0	50.1	100	75-125						
o-Xylene	50.0	47.3	94.6	75-125						
m,p-Xylenes	100	98.0	98.0	75-125						
Surrogates										
Bromofluorobenzene	50.0	49.9	99.7	75-125						
Dibromofluoromethane	50.0	52.9	106	75-125						
Toluene-d8	50.0	49.0	98.0	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 30

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1201102A2; Dup or Spiked Sample: B1201102A2; LCS: Clean Sand; QC Prepared: 12/01/2010; QC Analyzed: 12/02/2010; Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	49.2	98.4	50.0	51.0	102	3.59	75-125	<20	
Chlorobenzene	50.0	45.8	91.6	50.0	48.9	97.8	6.55	75-125	<20	
1,1-Dichloroethene	50.0	50.3	101	50.0	51.6	103	1.96	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	54.3	109	50.0	57.8	116	6.22	75-125	<20	
Toluene (Methyl benzene)	50.0	43.6	87.2	50.0	47.2	94.4	7.93	75-125	<20	
Trichloroethene	50.0	45.7	91.4	50.0	47.2	94.4	3.23	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.6	97.3	50.0	49.4	98.9	1.64	75-125	<20	
Dibromofluoromethane	50.0	53.1	106	50.0	54.1	108	1.89	75-125	<20	
Toluene-d8	50.0	48.3	96.5	50.0	49.4	98.8	2.38	75-125	<20	

QC Batch No: 1201102A2; Dup or Spiked Sample: B1201102A2; LCS: Clean Sand; QC Prepared: 12/01/2010; QC Analyzed: 12/02/2010; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	50.5	101	75-125						
Chlorobenzene	50.0	48.3	96.6	75-125						
1,1-Dichloroethene	50.0	50.3	101	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	56.0	112	75-125						
Toluene (Methyl benzene)	50.0	47.2	94.4	75-125						
Trichloroethene	50.0	48.6	97.2	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	56.5	113	75-125						
Ethylbenzene	50.0	48.2	96.4	75-125						
1,1,1-Trichloroethane	50.0	50.3	101	75-125						
o-Xylene	50.0	46.3	92.6	75-125						
m,p-Xylenes	100	94.6	94.6	75-125						
Surrogates										
Bromofluorobenzene	50.0	48.1	96.2	75-125						
Dibromofluoromethane	50.0	55.6	111	75-125						
Toluene-d8	50.0	49.3	98.6	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 31

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1202102A1; Dup or Spiked Sample: B1202102A1; LCS: Clean Sand; QC Prepared: 12/02/2010; QC Analyzed: 12/02/2010; Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	49.0	98.0	50.0	51.9	104	5.94	75-125	<20	
Chlorobenzene	50.0	48.0	96.0	50.0	49.7	99.4	3.48	75-125	<20	
1,1-Dichloroethene	50.0	49.5	99.0	50.0	52.6	105	5.88	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	56.7	113	50.0	58.2	116	2.62	75-125	<20	
Toluene (Methyl benzene)	50.0	45.7	91.4	50.0	47.6	95.2	4.07	75-125	<20	
Trichloroethene	50.0	44.8	89.6	50.0	48.8	97.6	8.55	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.2	96.3	50.0	49.0	98.0	1.77	75-125	<20	
Dibromofluoromethane	50.0	53.5	107	50.0	53.4	107	<1	75-125	<20	
Toluene-d8	50.0	49.1	98.1	50.0	48.4	96.8	1.33	75-125	<20	

QC Batch No: 1202102A1; Dup or Spiked Sample: B1202102A1; LCS: Clean Sand; QC Prepared: 12/02/2010; QC Analyzed: 12/02/2010; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	50.0	100	75-125						
Chlorobenzene	50.0	48.6	97.2	75-125						
1,1-Dichloroethene	50.0	52.9	106	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	59.9	120	75-125						
Toluene (Methyl benzene)	50.0	46.5	93.0	75-125						
Trichloroethene	50.0	47.9	95.8	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	57.4	115	75-125						
Ethylbenzene	50.0	48.7	97.4	75-125						
1,1,1-Trichloroethane	50.0	50.9	102	75-125						
o-Xylene	50.0	46.5	93.0	75-125						
m,p-Xylenes	100	95.5	95.5	75-125						
Surrogates										
Bromofluorobenzene	50.0	49.0	98.0	75-125						
Dibromofluoromethane	50.0	56.0	112	75-125						
Toluene-d8	50.0	48.1	96.2	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 32

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120210DB1; LCS: Clean Sand; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	511	102	500	526	105	2.90	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	98.9	98.9	100	97.7	97.7	1.21	75-125	<20

QC Batch No: 120210DB1; LCS: Clean Sand; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	514	103	75-125						
Surrogates										
Chlorobenzene	100	94.2	94.2	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 33

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB1; Dup or Spiked Sample: B120310NB1; LCS: Clean Sand; QC Prepared: 12/03/2010; QC Analyzed: 12/04/2010; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.760	76.2	1.00	0.770	76.6	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0453	90.6	0.0500	0.0476	95.2	5.08	75-125	<20

QC Batch No: 120310NB1; Dup or Spiked Sample: B120310NB1; LCS: Clean Sand; QC Prepared: 12/03/2010; QC Analyzed: 12/04/2010; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.01	101	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0505	101	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 34

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59167	11/30/2010	SCG

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120310NB2; Dup or Spiked Sample: B120310NB2; LCS: Clean Sand; QC Prepared: 12/03/2010; QC Analyzed: 12/04/2010; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.960	95.5	1.00	0.990	98.9	3.50	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0472	94.4	0.0500	0.0535	107	13.3	75-125	<20

QC Batch No: 120310NB2; Dup or Spiked Sample: B120310NB2; LCS: Clean Sand; QC Prepared: 12/03/2010; QC Analyzed: 12/04/2010; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.800	80.0	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0458	91.6	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attention: Masood Hosseini

Number of Pages 15
Date Received 12/07/2010
Date Reported 12/13/2010

Job Number	Order Date	Client
59266	12/07/2010	SC/G

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility
Site: Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 64536

AETL JOB No. 59266

Page 1 of 1

COMPANY: So Cal Gas - Eco & Associates
PROJECT MANAGER: Masood Hosseini
COMPANY ADDRESS: 1855 W Katella Ave. Ste 340, Orange CA
PHONE: 213-220-1470
FAX:
PROJECT NAME: Aliso Canyon - Sump 2
PROJECT #: Eco-05-205.2
SITE NAME AND ADDRESS:
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH (8015cc)	VOCs (8260B)	TEST INSTRUCTIONS & COMMENTS
1	CS-SW39	59266.01	12/7/2010	1132	Soil	1/4oz Jar	Ice	✓	✓	
2	CS-SW40	59266.02	↓	1134	↓	↓	↓	✓	✓	
3	CS-SW41	59266.03		1129				✓	✓	
4	CS-SW42	59266.04		1130				✓	✓	
5	CS-SW43	59266.05		1136				✓	✓	
6	CS-SW44	59266.06	↓	1138	↓	↓	↓	✓	✓	
7										
8										
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	6	PROPERLY COOLED (Y) N / NA	
CUSTODY SEALS Y (N) NA		SAMPLES INTACT (Y) N / NA	
RECEIVED IN GOOD COND. (Y) N		SAMPLES ACCEPTED (Y) N	

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature:
Printed Name: Carlos Hernandez	Printed Name:	Printed Name:
Date: 12-7-10 Time: 1503	Date: Time:	Date: Time:

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature: [signature]
Printed Name:	Printed Name:	Printed Name: [illegible]
Date: Time:	Date: Time:	Date: 12/07/10 Time: 1503

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 2

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A1

Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Client Sample I.D.				CS-SW39	CS-SW40	CS-SW41	CS-SW42
Date Sampled				12/07/2010	12/07/2010	12/07/2010	12/07/2010
Date Prepared			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A1

Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Client Sample I.D.				CS-SW39	CS-SW40	CS-SW41	CS-SW42
Date Sampled				12/07/2010	12/07/2010	12/07/2010	12/07/2010
Date Prepared			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	5.0	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A1

Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Client Sample I.D.				CS-SW39	CS-SW40	CS-SW41	CS-SW42
Date Sampled				12/07/2010	12/07/2010	12/07/2010	12/07/2010
Date Prepared			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		107	103	105	115	110
Dibromofluoromethane	75-125		105	110	112	109	111
Toluene-d8	75-125		99.9	101	102	111	100

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 5

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A2

Our Lab I.D.			Method Blank	**59266.05**	**59266.06**		
Client Sample I.D.				CS-SW43	CS-SW44		
Date Sampled				12/07/2010	12/07/2010		
Date Prepared			12/08/2010	12/08/2010	12/08/2010		
Preparation Method			5030	5030	5030		
Date Analyzed			12/08/2010	12/08/2010	12/08/2010		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A2

Our Lab I.D.			Method Blank	**59266.05**	**59266.06**		
Client Sample I.D.				CS-SW43	CS-SW44		
Date Sampled				12/07/2010	12/07/2010		
Date Prepared			12/08/2010	12/08/2010	12/08/2010		
Preparation Method			5030	5030	5030		
Date Analyzed			12/08/2010	12/08/2010	12/08/2010		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	5.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	5.0	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A2

Our Lab I.D.			Method Blank	**59266.05**	**59266.06**		
Client Sample I.D.				CS-SW43	CS-SW44		
Date Sampled				12/07/2010	12/07/2010		
Date Prepared			12/08/2010	12/08/2010	12/08/2010		
Preparation Method			5030	5030	5030		
Date Analyzed			12/08/2010	12/08/2010	12/08/2010		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	Results	Results	Results		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**59266.05**	**59266.06**		
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		103	104	120		
Dibromofluoromethane	75-125		100	108	110		
Toluene-d8	75-125		105	102	111		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 8

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120810NB1

Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Client Sample I.D.				CS-SW39	CS-SW40	CS-SW41	CS-SW42
Date Sampled				12/07/2010	12/07/2010	12/07/2010	12/07/2010
Date Prepared			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		78.8	87.2	87.0	85.0	88.0

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Page: 9

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120810NB1

Our Lab I.D.			**59266.05**	**59266.06**			
Client Sample I.D.			CS-SW43	CS-SW44			
Date Sampled			12/07/2010	12/07/2010			
Date Prepared			12/08/2010	12/08/2010			
Preparation Method			5030	5030			
Date Analyzed			12/08/2010	12/08/2010			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			**59266.05**	**59266.06**			
Surrogates	%Rec. Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		85.0	85.2			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 10

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SC/G

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120810DB1

Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Client Sample I.D.				CS-SW39	CS-SW40	CS-SW41	CS-SW42
Date Sampled				12/07/2010	12/07/2010	12/07/2010	12/07/2010
Date Prepared			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			12/08/2010	12/08/2010	12/08/2010	12/08/2010	12/08/2010
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	35.0	15.8	22.1	5.83
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	310	133	311	136
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	345	149	333	142
Our Lab I.D.			Method Blank	**59266.01**	**59266.02**	**59266.03**	**59266.04**
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		97.7	96.0	90.6	97.1	92.8

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 11

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120810DB1

Our Lab I.D.			**59266.05**	**59266.06**			
Client Sample I.D.			CS-SW43	CS-SW44			
Date Sampled			12/07/2010	12/07/2010			
Date Prepared			12/08/2010	12/08/2010			
Preparation Method			3550B	3550B			
Date Analyzed			12/08/2010	12/08/2010			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	Results	Results			
TPH as Diesel (C13-C22)	1.0	5.0	126	19.7			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	1,200	189			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	1,330	209			
Our Lab I.D.			**59266.05**	**59266.06**			
Surrogates	%Rec. Limit		% Rec.	% Rec.			
Chlorobenzene	75-125		93.4	83.4			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 12

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A1; Dup or Spiked Sample: B1208102A1; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	49.5	99.0	50.0	48.7	97.4	1.63	75-125	<20
Chlorobenzene	0.00	50.0	48.9	97.8	50.0	49.2	98.4	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	51.5	103	50.0	51.0	102	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	52.0	104	50.0	50.0	100	3.92	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	47.4	94.8	50.0	48.1	96.2	1.47	75-125	<20
Trichloroethene	0.00	50.0	45.7	91.4	50.0	46.1	92.2	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	49.1	98.2	50.0	51.0	102	3.87	75-125	<20
Dibromofluoromethane	0.00	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20
Toluene-d8	0.00	50.0	49.6	99.1	50.0	51.5	103	3.94	75-125	<20

QC Batch No: 1208102A1; Dup or Spiked Sample: B1208102A1; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	50.8	102	75-125						
Chlorobenzene	50.0	50.4	101	75-125						
1,1-Dichloroethene	50.0	51.3	103	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	53.3	107	75-125						
Toluene (Methyl benzene)	50.0	47.8	95.6	75-125						
Trichloroethene	50.0	47.2	94.4	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	50.3	101	75-125						
Ethylbenzene	50.0	48.0	96.0	75-125						
1,1,1-Trichloroethane	50.0	42.4	84.8	75-125						
o-Xylene	50.0	47.1	94.2	75-125						
m,p-Xylenes	100	98.8	98.8	75-125						
Surrogates										
Bromofluorobenzene	50.0	48.2	96.5	75-125						
Dibromofluoromethane	50.0	51.7	103	75-125						
Toluene-d8	50.0	49.9	99.9	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 13

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1208102A2; Dup or Spiked Sample: B1208102A2; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	47.5	95.0	50.0	49.4	98.8	3.92	75-125	<20	
Chlorobenzene	50.0	44.2	88.4	50.0	46.4	92.8	4.86	75-125	<20	
1,1-Dichloroethene	50.0	47.5	95.0	50.0	50.8	102	7.11	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	53.1	106	50.0	51.8	104	1.90	75-125	<20	
Toluene (Methyl benzene)	50.0	42.9	85.8	50.0	45.6	91.2	6.10	75-125	<20	
Trichloroethene	50.0	43.2	86.4	50.0	46.5	93.0	7.36	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.9	97.8	50.0	47.8	95.5	2.35	75-125	<20	
Dibromofluoromethane	50.0	54.0	108	50.0	52.7	105	2.78	75-125	<20	
Toluene-d8	50.0	48.9	97.8	50.0	49.6	99.1	1.33	75-125	<20	

QC Batch No: 1208102A2; Dup or Spiked Sample: B1208102A2; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	46.8	93.6	75-125						
Chlorobenzene	50.0	43.8	87.6	75-125						
1,1-Dichloroethene	50.0	47.9	95.8	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	51.6	103	75-125						
Toluene (Methyl benzene)	50.0	43.3	86.6	75-125						
Trichloroethene	50.0	42.8	85.6	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	52.1	104	75-125						
Ethylbenzene	50.0	43.9	87.8	75-125						
1,1,1-Trichloroethane	50.0	44.6	89.2	75-125						
o-Xylene	50.0	42.2	84.4	75-125						
m,p-Xylenes	100	86.0	86.0	75-125						
Surrogates										
Bromofluorobenzene	50.0	48.7	97.4	75-125						
Dibromofluoromethane	50.0	53.0	106	75-125						
Toluene-d8	50.0	49.1	98.2	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 14

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 120810DB1; Dup or Spiked Sample: 59265.07; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	529	106	500	529	106	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	91.0	91.0	100	91.0	91.0	<1	75-125	<20

QC Batch No: 120810DB1; Dup or Spiked Sample: 59265.07; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	501	100	75-125						
Surrogates										
Chlorobenzene	100	94.6	94.6	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Southern California Gas Company
555 W. 5th St.-GT16 G2
Los Angeles, CA 90013-1011

Telephone: (213)244-3292
Attn: Masood Hosseini
Page: 15

Site

Aliso Cyn Gas Facility
12801 Tampa Avenue
Northridge, CA 91326

Project ID: ALISO CANYON SUMP 2
Project Name: Aliso Cyn Gas Facility

AETL Job Number	Submitted	Client
59266	12/07/2010	SCG

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 120810NB1; Dup or Spiked Sample: B120810NB1; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.910	91.1	1.00	1.07	107	16.1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0469	93.8	0.0500	0.0437	87.4	6.82	75-125	<20

QC Batch No: 120810NB1; Dup or Spiked Sample: B120810NB1; LCS: Clean Sand; QC Prepared: 12/08/2010; QC Analyzed: 12/08/2010; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.10	110	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0430	86.0	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX E

SOIL COMPACTION REPORT

(GEOTECHNICAL SOLUTIONS, INC.)

Geotechnical Soilutions, Inc.
501 S. Fairfax Ave, Suite 101, Los Angeles, CA 90036 – Phone (323) 937-1097 – Fax (323) 937-1099

Compaction Report
GS 10B8
January 13, 2011

Southern California Gas Company
555 West Fifth Street, GT 16G2
Los Angeles, CA 90013

Attention: Mr. Masood Hosseini

Subject: Backfill observation and testing for oil sump #2 in Aliso Canyon.

Dear Mr. Hosseini:

At your request, Geotechnical Soilutions, Inc. is providing this report on observation and compaction testing of backfill soil in oil sump #2.

Project Description:

The area of the removal and backfill was approximately 50 feet by 100 feet. It is our understanding that the depth of the excavation at the deep end was approximately 31 feet and shallow end approximately 26 feet below the ground surface. The sides of the excavation maintained approximately 1:1 slope. The location of the excavation and backfill is shown on the attached Plot Plan.

Laboratory Testing:

The maximum dry density and optimum moisture content of the backfill soil materials were determined per Laboratory Standard Test Method ASTM D1557-91 which utilizes a four inch diameter mold having 1/30 cubic foot of volume and a ten pound hammer dropped eighteen inches for five layers, twenty five blows per layer. The maximum density results are as follows:

Soil Description	Optimum Moisture (%)	Maximum Dry Density (pcf)
Backfill, Clayey Sand	16.4	106.2
Backfill, Silty Sand	9	130.5

Grading and Test Results:

Fill was placed in approximately 8-inch thick lifts, moisture conditioned as necessary, and compacted to the required minimum 90% relative compaction.

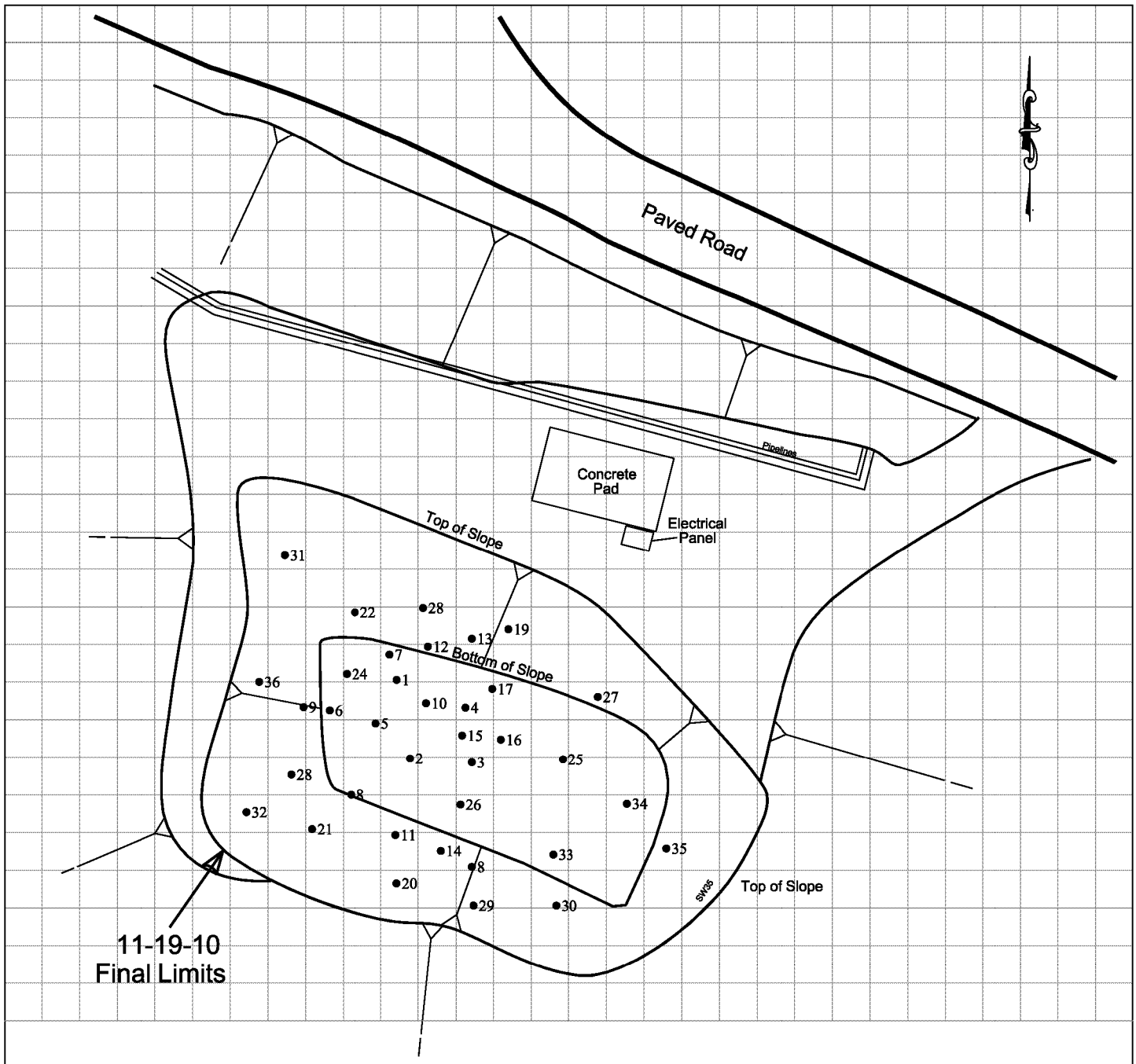
Geotechnical Soilutions, Inc. performed periodic observation, and compaction testing of the fill. Compaction testing was performed at about two-foot vertical intervals. The backfill material consisted of clayey and silty sand from within Aliso Canyon vicinity.

TABLE 1
Compaction Test Results

Test No.	Test Depth Below Ground Surface (ft)	Date	Dry Density (pcf)	Moisture Content (%)	Maximum Dry Density (pcf), Soil Type	Relative Compaction (%)	Comments
1	29	11/23/10	104.1	18	113.1/13.8	92	Pass
2	29	11/23/10	101.7	18	113.1/13.8	90	Pass
3	27	11/23/10	103.6	18	113.1/13.8	92	Pass
4	27	11/23/10	105.1	18	113.1/13.8	93	Pass
5	26	11/24/10	127.3	11	130.5/9	98	Pass
6	26	11/24/10	128.2	11	130.5/9	98	Pass
7	27	11/24/10	124.9	11	130.5/9	96	Pass
8	27	11/24/10	120.12	11	130.5/9	92	Pass
9	25	11/29/10	128.3	8	130.5/9	98	Pass
10	25	11/29/10	122.9	8	130.5/9	94	Pass
11	23	11/29/10	123.9	8	130.5/9	95	Pass
12	23	11/29/10	122.8	8	130.5/9	94	Pass
13	21	11/30/10	125.2	9	130.5/9	96	Pass
14	21	11/30/10	126.2	9	130.5/9	97	Pass
15	19	11/30/10	121.4	9	130.5/9	93	Pass
16	19	11/30/10	118.7	9	130.5/9	91	Pass
17	17	12/01/10	121.8	10	130.5/9	93	Pass
18	17	12/01/10	118.4	10	130.5/9	91	Pass
19	15	12/02/10	123.7	9.5	130.5/9	95	Pass
20	15	12/02/10	126.7	9.5	130.5/9	97	Pass
21	13	12/03/10	125.0	11	130.5/9	96	Pass
22	13	12/03/10	126.2	11	130.5/9	97	Pass
23	11	12/07/10	121.6	11	130.5/9	93	Pass

Compaction Report
GS 10B8
January 13, 2011

24	11	12/07/10	120.5	11	130.5/9	92	Pass
25	9	12/08/10	125.1	11	130.5/9	96	Pass
26	9	12/08/10	120.1	10	130.5/9	92	Pass
27	7	12/09/10	126.5	10	130.5/9	97	Pass
28	7	12/09/10	119.1	9	130.5/9	91	Pass
29	5	12/10/10	119.9	8	130.5/9	91	Pass
30	5	12/10/10	127.2	8	130.5/9	98	Pass
31	3	12/13/10	122.2	8	130.5/9	94	Pass
32	3	12/13/10	121.4	9	130.5/9	93	Pass
33	1.5	12/15/10	124.7	9	130.5/9	96	Pass
34	1.5	12/15/10	125.7	11	130.5/9	96	Pass
35	G.S.	01/06/11	125.2	11	130.5/9	96	Pass
36	G.S.	01/06/11	125.8	11	130.5/9	96	Pass



This map is taken from
Eco & Associates, Inc.
1855 W. Katella Avenue, Suite 340
Orange, California 92867
Dated NOV.2010

LEGEND & NOTES

•30 - COMPACTION TEST LOCATION

Scale:
0 20 40 feet

SUMP 2
ALISO CANYON STORAGE FACILITY
NORTHRIDGE, CALIFORNIA

SCALE: 1" = 40'	DATE: 1-20-11	JOB No. GS 10B8

ALISO CANYON
SUMP #2 COMPACTION TEST LOCATIONS

Geotechnical Soilutions, Inc.
501 SOUTH FAIRFAX AVE., SUITE 101, LOS ANGELES, CA 90036

PLATE No. 1

The relative compaction of the fill material was determined by the sand cone test method ASTM D1557-91. The results of the in-situ density testing and the maximum dry density/ optimum moisture content relationships are shown on the attached Table, Compaction Test Results. Test locations are shown on the attached Compaction Test Location Map (Plate 1).

Review

The relative compaction of the backfill, as indicated by the tests taken, is a minimum 90 percent relative compaction, as requested by the gas company.

A geotechnical investigation should be performed for any future structures in this area.

If you have any questions regarding the content of this report, please do not hesitate to contact us. This opportunity to be of professional service is greatly appreciated.

Sincerely,
Geotechnical Soilutions, Inc.
Mesrop A. Mesrop
RGE 2561

Attachment: Plot Plan