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[www.alsglobal.com](http://www.alsglobal.com)

## LABORATORY REPORT

January 18, 2016

Glenn La Fevers  
Southern California Gas Company  
12801 Tampa Ave  
Northridge, CA 91326-1045

**RE: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424**

Dear Glenn:

Enclosed are the results of the samples submitted to our laboratory on January 17, 2016. For your reference, these analyses have been assigned our service request number P1600216.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at [www.alsglobal.com](http://www.alsglobal.com). Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

**ALS | Environmental**

By Sue Anderson at 12:40 pm, Jan 18, 2016

Sue Anderson  
Project Manager



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Client: Southern California Gas Company Service Request No: P1600216  
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

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## CASE NARRATIVE

The samples were received intact under chain of custody on January 17, 2016 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

### Methane Analysis

The Silonite canister samples were analyzed per modified EPA Method TO-3 for methane using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TO3C1C6. This method is included on the laboratory's DoD-ELAP scope of accreditation, however it is not part of the NELAP or AIHA-LAP accreditation.

### Sulfur Analysis

The Zefon bag samples were analyzed for ten sulfur compounds per ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). All compounds with the exception of hydrogen sulfide and carbonyl sulfide are quantitated against the initial calibration curve for methyl mercaptan. This method is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP or AIHA-LAP accreditation.

### Volatile Organic Compound Analysis

The Silonite canister samples were also analyzed for selected volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The canisters were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

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*The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.*

*Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.*



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	<a href="http://www.aihaaccreditedlabs.org">http://www.aihaaccreditedlabs.org</a>	101661
Arizona DHS	<a href="http://www.azdhs.gov/lab/license/env.htm">http://www.azdhs.gov/lab/license/env.htm</a>	AZ0694
DoD ELAP	<a href="http://www.pjlab.com/search-accredited-labs">http://www.pjlab.com/search-accredited-labs</a>	L15-398
Florida DOH (NELAP)	<a href="http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm">http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm</a>	E871020
Maine DHHS	<a href="http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm">http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm</a>	2014025
Minnesota DOH (NELAP)	<a href="http://www.health.state.mn.us/accreditation">http://www.health.state.mn.us/accreditation</a>	977273
New Jersey DEP (NELAP)	<a href="http://www.nj.gov/dep/oqa/">http://www.nj.gov/dep/oqa/</a>	CA009
New York DOH (NELAP)	<a href="http://www.wadsworth.org/labcert/elap/elap.html">http://www.wadsworth.org/labcert/elap/elap.html</a>	11221
Oregon PHD (NELAP)	<a href="http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx">http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx</a>	4068-001
Pennsylvania DEP	<a href="http://www.depweb.state.pa.us/labs">http://www.depweb.state.pa.us/labs</a>	68-03307 (Registration)
Texas CEQ (NELAP)	<a href="http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html">http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html</a>	T104704413-15-6
Utah DOH (NELAP)	<a href="http://www.health.utah.gov/lab/labimp/certification/index.html">http://www.health.utah.gov/lab/labimp/certification/index.html</a>	CA01627201 5-5
Washington DOE	<a href="http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html">http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html</a>	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at [www.alsglobal.com](http://www.alsglobal.com), or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

# ALS ENVIRONMENTAL

## DETAIL SUMMARY REPORT

Client: Southern California Gas Company  
 Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Service Request: P1600216

Date Received: 1/17/2016  
 Time Received: 09:25

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	2nd Pi (psig)	2nd Pf (psig)	TO-3 Modified - C1C6+ Can		
										TO-15 - VOC Cans	ASTM D 5504-12 - Sulfur Bag	
Mason/Corbin	P1600216-001	Air	1/17/2016	02:00	AS00992	-1.47	1.02	-1.37	1.07	X	X	X
Porter Ranch Community School	P1600216-002	Air	1/17/2016	02:19	AS00913	-1.98	1.03			X	X	X
Galileo/Donatello	P1600216-003	Air	1/17/2016	02:39	AS00978	-1.60	1.04			X	X	X
Porter Ranch Estates	P1600216-004	Air	1/17/2016	02:58	AS00976	-1.97	1.00			X	X	X
Highlands 1	P1600216-005	Air	1/17/2016	03:15	AS00918	-2.22	1.01			X	X	X
Highlands 3	P1600216-006	Air	1/17/2016	03:32	AS00929	-0.60	1.01			X	X	X
Porter Ranch Estates 3	P1600216-007	Air	1/17/2016	03:52	AS00921	-1.04	1.06			X	X	X
Highlands 2	P1600216-008	Air	1/17/2016	04:10	AS00944	-2.30	1.04			X	X	X
Castlebay Elementary School	P1600216-009	Air	1/17/2016	04:29	AS01000	-1.76	1.03			X	X	X
Starter Set Preschool	P1600216-010	Air	1/17/2016	04:45	AS00970	-2.00	1.06			X	X	X
Porter Ridge Park	P1600216-011	Air	1/17/2016	05:01	AS00948	-1.71	1.03			X	X	X



# Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A  
 Simi Valley, California 93085  
 Phone (805) 526-7161  
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle  
 1 Day (100%)  2 Day (75%)  3 Day (60%)  4 Day (35%)  5 Day (25%)  10 Day-Standard

ALS Project No. **AV600216**

Company Name & Address (Reporting Information) <b>AIRKINETICS, INC.</b> 1308 S. Allec Street Anaheim, CA 92805		Project Name SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION		ALS Contact: <b>Sue Anderson</b>		Comment e.g. Actual Preservative or specific instructions		
Project Manager SON BUI		Project Number 14424		Analysis Method ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)				
P.O. # / Billing Information (714) 254-1945		P.O. # / Billing Information (714) 956-2350		TO <sub>2</sub> modified for Methane		TO-15 (BTEX)		
Email Address for Result Reporting Please see Kelly Horiuchi for distribution list.		Sampler (Print & Sign) <b>Jorge Gonzalez</b>		TO <sub>2</sub> modified for Methane				
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Collection Vessel	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller/ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig
Mason/Corbin	1	01/17/16	0150 0200	Silonite Can.	A5500992	AV604463	29	5
Porter Ranch Community School	2	01/17/16	0209 0219	Tedlar Bag	NA	NA	NA	NA
Galileo/Donatello	3	01/17/16	0229 0239	Silonite Can.	A5500913	AV604519	29	5
Porter Ranch Estates	4	01/17/16	0248 0258	Tedlar Bag	NA	NA	NA	NA
Highlands 1	5	01/17/16	0305 0315	Silonite Can.	A5500978	AV604425	27	4
Highlands 3	6	01/17/16	0322 0332	Tedlar Bag	NA	NA	NA	NA
Porter Ranch Estates 3	7	01/17/16	0342 0352	Silonite Can.	A500976	AV603700	28	4
				Tedlar Bag	NA	NA	NA	NA
				Silonite Can.	A500918	AV604155	27	5
				Tedlar Bag	NA	NA	NA	NA
				Silonite Can.	A500929	AV603866	30	5
				Tedlar Bag	NA	NA	NA	NA
				Silonite Can.	A55921	AV603906	27	4
				Tedlar Bag	NA	NA	NA	NA

**Report Tier Levels - please select**  
 Tier I - Results (Default if not specified) \_\_\_\_\_  
 Tier II (Results + QC Summaries)  \_\_\_\_\_  
 Tier III (Results + QC & Calibration Summaries) \_\_\_\_\_ EDD required  Yes  No  
 Tier IV (Data Validation Package) 10% Surcharge - Type: \_\_\_\_\_ Units: \_\_\_\_\_

Chain of Custody Seal: (Circle)  
 INTACT  BROKEN  ABSENT

Relinquished by: (Signature) \_\_\_\_\_ Date: 1-17-16 Time: 925  
 Received by: (Signature) **Sue Anderson** Date: 1/14/16 Time: 0925



# Air - Chain of Custody Record & Analytical Service Request

2855 Park Center Drive, Suite A  
 Simi Valley, California 93065  
 Phone (805) 526-7161  
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle  
 1 Day (100%)  2 Day (75%)  3 Day (50%)  4 Day (35%)  5 Day (25%)  10 Day-Standard

Company Name & Address (Reporting Information)  
 AIRKINETICS, INC.  
 1308 S. Allec Street  
 Anaheim, CA 92805

Project Manager  
 SON BUI

Phone (714) 254-1945 Fax (714) 956-2350

Email Address for Result Reporting  
 Please see Kelly Horiuchi for distribution list.

Project Name  
 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION

Project Number  
 14424

P.O. # / Billing Information

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Collection Vessel	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hgpsig	ALS Contact:		Comment e.g. Actual Preservative or specific instructions			
									Sue Anderson	Analysis Method				
Highlands 2	8	01/17/16	0400	Silonite Can.	AS00944	AV603312	27	5	X	TO-3 modified for Methane	ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	TO-15 (BTEX)	X	
Castlebay Elementary School	9	01/17/16	0419	Silonite Can.	AS01000	AV603136	27	3	X				X	
Starter Set Preschool	10	01/17/16	0435	Silonite Can.	AS00970	AV604007	27	4	X				X	
Porter Ridge Park	11	01/17/16	0451	Silonite Can.	AS00948	AV604305	26	5	X				X	
			0501	Tedlar Bag	NA	NA	NA	NA					X	

ALS Project No: **PK600716**

Chain of Custody Seal: (Circle)  
 INTACT  BROKEN  ABSENT

Report Tier Levels - please select  
 Tier I - Results (Default if not specified) \_\_\_\_\_  
 Tier II (Results + QC Summaries)  X \_\_\_\_\_  
 Tier III (Results + QC & Calibration Summaries) \_\_\_\_\_ EDD required (Yes/No)  Yes  No  
 Tier IV (Data Validation Package) 10% Surcharge Type: \_\_\_\_\_ Units: \_\_\_\_\_

Relinquished by: (Signature) *[Signature]* Date: 1-17-16 9:25 Time: 0925  
 Received by: (Signature) *[Signature]* Date: 1/17/16 Time: 0925

**ALS Environmental  
Sample Acceptance Check Form**

Client: Southern California Gas Company Work order: P1600216  
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424  
 Sample(s) received on: 1/17/16 Date opened: 1/17/16 by: SANDERSON

**Note:** This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- |   | <b>Yes</b>                          | <b>No</b>                | <b>N/A</b>                          |
|---|-------------------------------------|--------------------------|-------------------------------------|
| 1 Were <b>sample containers</b> properly marked with client sample ID?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 2 Did <b>sample containers</b> arrive in good condition?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 3 Were <b>chain-of-custody</b> papers used and filled out?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 4 Did <b>sample container labels</b> and/or tags agree with custody papers?                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 5 Was <b>sample volume</b> received adequate for analysis?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 6 Are samples within specified holding times?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 7 Was proper <b>temperature</b> (thermal preservation) of cooler at receipt adhered to?                         | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were <b>custody seals</b> on outside of cooler/Box/Container?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate <b>preservation</b> , according to method/SOP or Client specified information? | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are <b>pH</b> preserved?                                | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were <b>VOA vials</b> checked for presence/absence of air bubbles?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 <b>Tubes:</b> Are the tubes capped and intact?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 <b>Badges:</b> Are the badges properly capped and intact?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600216-001.01	6.0 L Silonite Can					
P1600216-001.02	1 L Zefon Bag					
P1600216-002.01	6.0 L Silonite Can					
P1600216-002.02	1 L Zefon Bag					
P1600216-003.01	6.0 L Silonite Can					
P1600216-003.02	1 L Zefon Bag					
P1600216-004.01	6.0 L Silonite Can					
P1600216-004.02	1 L Zefon Bag					
P1600216-005.01	6.0 L Silonite Can					
P1600216-005.02	1 L Zefon Bag					
P1600216-006.01	6.0 L Silonite Can					
P1600216-006.02	1 L Zefon Bag					
P1600216-007.01	6.0 L Silonite Can					
P1600216-007.02	1 L Zefon Bag					
P1600216-008.01	6.0 L Silonite Can					

Explain any discrepancies: (include lab sample ID numbers): \_\_\_\_\_

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS Environmental  
Sample Acceptance Check Form

Client: Southern California Gas Company Work order: P1600216  
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424  
Sample(s) received on: 1/17/16 Date opened: 1/17/16 by: SANDERSON

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600216-008.02	1 L Zefon Bag					
P1600216-009.01	6.0 L Silonite Can					
P1600216-009.02	1 L Zefon Bag					
P1600216-010.01	6.0 L Silonite Can					
P1600216-010.02	1 L Zefon Bag					
P1600216-011.01	6.0 L Silonite Can					
P1600216-011.02	1 L Zefon Bag					

Explain any discrepancies: (include lab sample ID numbers): \_\_\_\_\_



# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

### Methane

Test Code: EPA TO-3 Modified  
 Instrument ID: HP5890 II/GC8/FID  
 Analyst: Mike Conejo  
 Sampling Media: 6.0 L Silonite Canister(s)  
 Test Notes:

Date(s) Collected: 1/17/16  
 Date Received: 1/17/16  
 Date Analyzed: 1/17/16

Client Sample ID	ALS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
Mason/Corbin	P1600216-001	1.19	1.0	3.0	0.60	
Porter Ranch Community School	P1600216-002	1.24	1.0	3.0	0.62	
Galileo/Donatello	P1600216-003	1.20	1.0	3.0	0.60	
Porter Ranch Estates	P1600216-004	1.23	1.0	3.2	0.62	
Highlands 1	P1600216-005	1.26	1.0	3.1	0.63	
Highlands 3	P1600216-006	1.11	1.0	3.1	0.56	
Porter Ranch Estates 3	P1600216-007	1.15	1.0	3.0	0.58	
Highlands 2	P1600216-008	1.27	1.0	2.8	0.64	
Castlebay Elementary School	P1600216-009	1.22	1.0	2.7	0.61	
Starter Set Preschool	P1600216-010	1.24	1.0	2.8	0.62	
Porter Ridge Park	P1600216-011	1.21	1.0	3.0	0.61	
Method Blank	P160117-MB	1.00	1.0	ND	0.50	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P160117-LCS

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Mike Conejo

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/17/16

Volume(s) Analyzed: NA ml(s)

<b>Compound</b>	<b>Spike Amount ppmV</b>	<b>Result ppmV</b>	<b>% Recovery</b>	<b>ALS Acceptance Limits</b>	<b>Data Qualifier</b>
Methane	1,020	<b>1,060</b>	<b>104</b>	83-107	

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Mason/Corbin

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-001

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 02:00

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 10:10

Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company  
**Client Sample ID:** Porter Ranch Community School  
**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216  
 ALS Sample ID: P1600216-002

Test Code: ASTM D 5504-12  
 Instrument ID: Agilent 7890A/GC22/SCD  
 Analyst: Mike Conejo  
 Sample Type: 1 L Zefon Bag  
 Test Notes:

Date Collected: 1/17/16  
 Time Collected: 02:19  
 Date Received: 1/17/16  
 Date Analyzed: 1/17/16  
 Time Analyzed: 10:21  
 Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Galileo/Donatello

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-003

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 02:39

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 10:32

Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ranch Estates

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-004

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 02:58

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 10:26

Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company  
**Client Sample ID:** Highlands 1  
**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216  
 ALS Sample ID: P1600216-005

Test Code: ASTM D 5504-12  
 Instrument ID: Agilent 6890A/GC13/SCD  
 Analyst: Mike Conejo  
 Sample Type: 1 L Zefon Bag  
 Test Notes:

Date Collected: 1/17/16  
 Time Collected: 03:15  
 Date Received: 1/17/16  
 Date Analyzed: 1/17/16  
 Time Analyzed: 10:37  
 Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Highlands 3

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-006

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 03:32

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 10:51

Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ranch Estates 3

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-007

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 03:52

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 10:43

Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Highlands 2

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 04:10

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 10:54

Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company  
**Client Sample ID:** Castlebay Elementary School  
**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216  
 ALS Sample ID: P1600216-009

Test Code: ASTM D 5504-12  
 Instrument ID: Agilent 7890A/GC22/SCD  
 Analyst: Mike Conejo  
 Sample Type: 1 L Zefon Bag  
 Test Notes:

Date Collected: 1/17/16  
 Time Collected: 04:29  
 Date Received: 1/17/16  
 Date Analyzed: 1/17/16  
 Time Analyzed: 11:05  
 Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

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**Client:** Southern California Gas Company  
**Client Sample ID:** Starter Set Preschool  
**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216  
 ALS Sample ID: P1600216-010

Test Code: ASTM D 5504-12  
 Instrument ID: Agilent 6890A/GC13/SCD  
 Analyst: Mike Conejo  
 Sample Type: 1 L Zefon Bag  
 Test Notes:

Date Collected: 1/17/16  
 Time Collected: 04:45  
 Date Received: 1/17/16  
 Date Analyzed: 1/17/16  
 Time Analyzed: 11:02  
 Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ridge Park

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P1600216-011

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/17/16

Time Collected: 05:01

Date Received: 1/17/16

Date Analyzed: 1/17/16

Time Analyzed: 11:13

Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

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**Client:** Southern California Gas Company  
**Client Sample ID:** Method Blank  
**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216  
 ALS Sample ID: P160117-MB

Test Code: ASTM D 5504-12  
 Instrument ID: Agilent 7890A/GC22/SCD  
 Analyst: Mike Conejo  
 Sample Type: 1 L Zefon Bag  
 Test Notes:

Date Collected: NA  
 Time Collected: NA  
 Date Received: NA  
 Date Analyzed: 1/17/16  
 Time Analyzed: 09:50  
 Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company  
**Client Sample ID:** Method Blank  
**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216  
 ALS Sample ID: P160117-MB

Test Code: ASTM D 5504-12  
 Instrument ID: Agilent 6890A/GC13/SCD  
 Analyst: Mike Conejo  
 Sample Type: 1 L Zefon Bag  
 Test Notes:

Date Collected: NA  
 Time Collected: NA  
 Date Received: NA  
 Date Analyzed: 1/17/16  
 Time Analyzed: 10:11  
 Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P160117-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/17/16

Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
7783-06-4	Hydrogen Sulfide	1,000	<b>1,070</b>	<b>107</b>	65-138	
463-58-1	Carbonyl Sulfide	1,000	<b>960</b>	<b>96</b>	60-135	
74-93-1	Methyl Mercaptan	1,000	<b>996</b>	<b>100</b>	57-140	



# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P160117-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/17/16

Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
7783-06-4	Hydrogen Sulfide	2,000	1,740	87	65-138	
463-58-1	Carbonyl Sulfide	2,000	1,870	94	60-135	
74-93-1	Methyl Mercaptan	2,000	1,820	91	57-140	

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Mason/Corbin

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-001

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00992

Initial Pressure (psig):	-1.47	Final Pressure (psig):	1.02
Initial Pressure 2 (psig):	-1.37	Final Pressure 2 (psig):	1.07

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.31</b>	0.044	
108-88-3	Toluene	<b>0.56</b>	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	<b>0.27</b>	0.16	
95-47-6	o-Xylene	ND	0.16	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ranch Community School

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-002

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00913

Initial Pressure (psig): -1.98      Final Pressure (psig): 1.03

Canister Dilution Factor: 1.24

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.31	0.039	
108-88-3	Toluene	0.55	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	0.27	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Galileo/Donatello

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-003

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00978

Initial Pressure (psig): -1.60      Final Pressure (psig): 1.04

Canister Dilution Factor: 1.20

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.31</b>	0.038	
108-88-3	Toluene	<b>0.62</b>	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	<b>0.28</b>	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ranch Estates

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-004

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00976

Initial Pressure (psig): -1.97      Final Pressure (psig): 1.00

Canister Dilution Factor: 1.23

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.31</b>	0.039	
108-88-3	Toluene	<b>0.59</b>	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	<b>0.26</b>	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Highlands 1

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-005

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00918

Initial Pressure (psig): -2.22      Final Pressure (psig): 1.01

Canister Dilution Factor: 1.26

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.26	0.039	
108-88-3	Toluene	0.49	0.17	
100-41-4	Ethylbenzene	ND	0.15	
179601-23-1	m,p-Xylenes	0.22	0.15	
95-47-6	o-Xylene	ND	0.15	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Highlands 3

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-006

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00929

Initial Pressure (psig): -0.60      Final Pressure (psig): 1.01

Canister Dilution Factor: 1.11

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.25	0.035	
108-88-3	Toluene	0.46	0.15	
100-41-4	Ethylbenzene	ND	0.13	
179601-23-1	m,p-Xylenes	0.21	0.13	
95-47-6	o-Xylene	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ranch Estates 3

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-007

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00921

Initial Pressure (psig): -1.04      Final Pressure (psig): 1.06

Canister Dilution Factor: 1.15

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.26	0.036	
108-88-3	Toluene	0.49	0.15	
100-41-4	Ethylbenzene	ND	0.13	
179601-23-1	m,p-Xylenes	0.22	0.13	
95-47-6	o-Xylene	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Highlands 2

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-008

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00944

Initial Pressure (psig): -2.30      Final Pressure (psig): 1.04

Canister Dilution Factor: 1.27

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.073</b>	0.040	
108-88-3	Toluene	ND	0.17	
100-41-4	Ethylbenzene	ND	0.15	
179601-23-1	m,p-Xylenes	ND	0.15	
95-47-6	o-Xylene	ND	0.15	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Castlebay Elementary School

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-009

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01000

Initial Pressure (psig): -1.76      Final Pressure (psig): 1.03

Canister Dilution Factor: 1.22

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.064</b>	0.038	
108-88-3	Toluene	ND	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	ND	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Starter Set Preschool

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-010

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00970

Initial Pressure (psig): -2.00      Final Pressure (psig): 1.06

Canister Dilution Factor: 1.24

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.070</b>	0.039	
108-88-3	Toluene	ND	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	ND	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Porter Ridge Park

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P1600216-011

Test Code: EPA TO-15

Date Collected: 1/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 1/17/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00948

Initial Pressure (psig): -1.71      Final Pressure (psig): 1.03

Canister Dilution Factor: 1.21

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	<b>0.076</b>	0.038	
108-88-3	Toluene	ND	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	ND	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Method Blank

ALS Project ID: P1600216

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Sample ID: P160117-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Evelyn Alvarez

Date Analyzed: 1/17/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	0.031	
108-88-3	Toluene	ND	0.13	
100-41-4	Ethylbenzene	ND	0.12	
179601-23-1	m,p-Xylenes	ND	0.12	
95-47-6	o-Xylene	ND	0.12	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

**ALS ENVIRONMENTAL**

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date(s) Collected: 1/17/16

Analyst: Evelyn Alvarez

Date(s) Received: 1/17/16

Sample Type: 6.0 L Silonite Canister(s)

Date(s) Analyzed: 1/17/16

Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P160117-MB	101	102	99	70-130	
Lab Control Sample	P160117-LCS	97	99	102	70-130	
Mason/Corbin	P1600216-001	100	101	103	70-130	
Porter Ranch Community School	P1600216-002	100	101	103	70-130	
Galileo/Donatello	P1600216-003	100	101	103	70-130	
Porter Ranch Estates	P1600216-004	101	100	102	70-130	
Highlands 1	P1600216-005	100	101	102	70-130	
Highlands 3	P1600216-006	100	101	103	70-130	
Porter Ranch Estates 3	P1600216-007	101	100	102	70-130	
Highlands 2	P1600216-008	101	101	103	70-130	
Castlebay Elementary School	P1600216-009	101	101	103	70-130	
Starter Set Preschool	P1600216-010	100	101	102	70-130	
Porter Ridge Park	P1600216-011	100	102	103	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600216

ALS Sample ID: P160117-LCS

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Evelyn Alvarez

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/17/16

Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
71-43-2	Benzene	70.8	59.3	84	61-110	
108-88-3	Toluene	57.9	54.8	95	67-117	
100-41-4	Ethylbenzene	50.2	51.5	103	69-123	
179601-23-1	m,p-Xylenes	98.6	100	101	67-125	
95-47-6	o-Xylene	48.4	49.3	102	67-124	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly.