



2655 Park Center Dr., Suite A
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www.alsglobal.com

LABORATORY REPORT

January 6, 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 5, 2016. For your reference, these analyses have been assigned our service request number P1600018.

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. 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



Sue Anderson
By Sue Anderson at 1:14 pm, Jan 06, 2016

Sue Anderson
Project Manager



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Client: Southern California Gas Company Service Request No: P1600018
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 5, 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.

C1 through C6 Hydrocarbon and TGNMO Analysis

The Silonite canister samples were analyzed per modified EPA Method TO-3 for C1 through >C6 hydrocarbons and total gaseous non-methane organics as 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 seven sulfur compounds and total reduced sulfur as hydrogen sulfide (TRS as H₂S) 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. The results for TRS as H₂S were determined by obtaining the total response for all chromatographic peaks and quantitating the value against the initial calibration curve for hydrogen sulfide thus generating a result specified as "Total Reduced Sulfur as Hydrogen Sulfide". 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.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L15-398
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-001
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-15-6
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA01627201 5-5
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	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, 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: P1600018

Date Received: 1/5/2016
 Time Received: 09:11

TO-3 Modified - C1C6+ Can	TO-15 - VOC Cans	ASTM D 5504-12 - Sulfur Bag
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Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-3 Modified - C1C6+ Can	TO-15 - VOC Cans	ASTM D 5504-12 - Sulfur Bag
Porter Ridge Park	P1600018-001	Air	1/5/2016	05:39	AS00946	-1.24	3.72	X	X	X
Starter Set Preschool	P1600018-002	Air	1/5/2016	05:54	AS00901	-1.56	3.57	X	X	X
Castlebay Elementary School	P1600018-003	Air	1/5/2016	05:19	AS00902	-1.52	3.70	X	X	X
Highlands 2	P1600018-004	Air	1/5/2016	05:00	AS00941	-1.54	3.57	X	X	X
Porter Ranch Community School	P1600018-005	Air	1/5/2016	03:14	AS00944	-1.73	3.57	X	X	X
Holleigh Bernson Park	P1600018-006	Air	1/5/2016	03:33	AS00948	-2.42	3.59	X	X	X
Porter Ranch Estates	P1600018-007	Air	1/5/2016	03:53	AS00962	-1.66	3.63	X	X	X
Highlands 1	P1600018-008	Air	1/5/2016	04:29	AS00939	-1.66	3.87	X	X	X
SF-2/5	P1600018-009	Air	1/5/2016	07:51	AS00929	-2.01	3.56	X	X	X
SF-1	P1600018-010	Air	1/5/2016	07:28	AS00940	-1.56	3.99	X	X	X
P-40	P1600018-011	Air	1/5/2016	07:00	AS00943	-2.14	3.65	X	X	X
MA1-A	P1600018-012	Air	1/5/2016	02:27	AS00967	-1.28	3.79	X	X	X
T-3 Low Road	P1600018-013	Air	1/5/2016	02:52	AS00945	-1.81	3.72	X	X	X
Porter Ranch Estates 2	P1600018-014	Air	1/5/2016	04:11	AS00942	-1.75	3.63	X	X	X
Highlands 3	P1600018-015	Air	1/5/2016	04:45	AS00928	-1.78	3.76	X	X	X
SS-3H	P1600018-016	Air	1/5/2016	01:57	AS00993	-2.24	3.63	X	X	X
SS-09	P1600018-017	Air	1/5/2016	01:40	AS00935	-2.97	3.90	X	X	X



Air - Chain of Custody Record & Analytical Service Request

2655 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
 ALS Project No. P1600018

Company Name & Address (Reporting Information)		Project Name		ALS Contact:		Sue Anderson		Analysis Method	ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	TO-3 modified C1-C6 & TGNMO as Methane	TO-15 (BTEX)	Comment e.g. Actual Preservative or specific instructions
AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805		SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION		SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION		Sue Anderson						
Project Manager SON BUI		Project Number 14424		P.O. # / Billing Information								
Phone (714) 254-1945		Fax (714) 956-2350		Sampler (Print & Sign) <i>Kenny Lies Kennedy</i>								
Email Address for Result Reporting		Please see Kelly Horiuchi for distribution list.		Canister ID (Bar code # - AC, SC, etc.)		Flow Controller ID (Bar code # - FC #)		Canister Start Pressure ^u Hg		Canister End Pressure ^u Hg/psig		
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 ^u Hg	Canister End Pressure ^u Hg/psig				
Porter Ridge Park	1	01/05/16	0529-0539	Summa Can.	AS00946	0A00185	30	5	X			
Starter Set Preschool	2	01/05/16	0544-0554	Tedlar Bag	NA	NA	NA	NA	X			
Castlebay Elementary School	3	01/05/16	0509-0519	Summa Can.	AS00901	0A00033	27.5	3	X			
Highlands 2	4	01/05/16	0450-0500	Tedlar Bag	NA	NA	NA	NA	X			
Porter Ranch Community School	5	01/05/16	0304-0314	Summa Can.	AS00902	0A01867	30	5	X			
Holleigh Bernson Park	6	01/05/16	0323-0333	Tedlar Bag	NA	NA	NA	NA	X			
Porter Ranch Estates	7	01/05/16	0435-0451 0343-0353	Summa Can.	AS00941	0A01295	29.5	5	X			
				Tedlar Bag	NA	NA	NA	NA	X			
				Summa Can.	AS00944	0A01210	26.5		X			
				Tedlar Bag	NA	NA	NA	NA	X			
				Summa Can.	AS00948	0A01771	25.5	3	X			
				Tedlar Bag	NA	NA	NA	NA	X			
				Summa Can.	AS00962	0A01237	26	2.5	X			
				Tedlar Bag	NA	NA	NA	NA	X			

Report Tier Levels - please select
 Tier I - Results (Default if not specified) _____
 Tier II (Results + QC Summaries) X
 Tier III (Results + QC & Calibration Summaries) Yes / No
 Tier IV (Data Validation Package) 10% Surcharge Type: _____ Units: _____
 Chain of Custody Seal: (Circle)
 INTACT BROKEN ABSENT

Relinquished by: (Signature) *Kenny Lies Kennedy* Date: 01-05-16 Time: 0911
 Relinquished by: (Signature) _____ Date: _____ Time: _____
 Received by: (Signature) _____ Date: 1/5/16 Time: 0711
 Received by: (Signature) _____ Date: _____ Time: _____



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Company Name & Address (Reporting information)

AIRKINETICS, INC.
1308 S. Allec Street
Anaheim, CA 92805

Project Manager
SON BUJ

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

Email Address for Result Reporting

Please see Kelly Horiuchi for distribution list.

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

Sampler (Print & Sign)
Kenny Hies

Highlands 1

8

01/05/16

0419-0429

Summa Can.

AS00939

0A00721

26.5

3

KL 01-05-16
KL 01-05-16

01/05/16

0741-0751

Summa Can.

NA

NA

NA

NA

X

X

X

X

X

SF-2/5

9

01/05/16

0718-0728

Summa Can.

AS00929

0A00994

27

NA

NA

NA

NA

NA

NA

SF-1

10

01/05/16

0650-0700

Tedlar Bag

AS00940

0A00343

24.5

2

NA

NA

NA

NA

NA

P-40

11

01/05/16

0650-0700

Tedlar Bag

AS00943

0A01487

26.5

3

NA

NA

NA

NA

NA

MA1-A

12

01/05/16

0217-0227

Summa Can.

AS00967

0A01056

30

5

NA

NA

NA

NA

NA

T-3 Low Road

13

01/05/16

0242-0252

Summa Can.

AS00945

0A00704

26.5

3

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____

Tier II (Results + QC Summaries) X

Tier III (Results + QC & Calibration Summaries) No

Tier IV (Data Validation Package) 10% Surcharge Type: _____

Yes No

Units: _____

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

Relinquished by: (Signature) *Kenny Hies*

Date: 01-05-16

Time: 0911

Received by: (Signature) *[Signature]*

Date: 1/5/16

Time: 0911

Relinquished by: (Signature) _____

Date: _____

Time: _____

Received by: (Signature) _____

Date: _____

Time: _____

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)

ALS Project No. *21600018*

ALS Contact: *Sue Anderson*

Project Name: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION

Project Number: 14424

P.O. # / Billing Information

Sampler (Print & Sign) *Kenny Hies*

Collection Vessel

Canister ID (Bar code # - AC, SC, etc.)

Flow Controller ID (Bar code # - FC #)

Canister Start Pressure "Hg

Canister End Pressure "Hg/psig

Analysis Method

TO-3 modified C1-C6 & TGMMO as Methane

ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)

TO-15 (BTEX)

Comment

e.g. Actual Preservative or specific instructions



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Company Name & Address (Reporting Information)		Project Name		ALS Project No.	
AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805		SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION		01600018	
Project Manager SON BUI		Project Number 14424		ALS Contact: Sue Anderson	
Phone (714) 254-1945		P.O. # / Billing Information		Analysis Method	
Fax (714) 956-2350		Sampler (Print & Sign) <i>Kenny Lieu</i>		ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	
Email Address for Result Reporting		Flow Controller ID (Bar code # - AC, SC, etc.)		TGMMO as Methane TO3 modified C1-C6 & TO-15 (BTEX)	
Please see Kelly Horiuchi for distribution list.		Canister Pressure "Hg			
Client Sample ID		Canister Pressure End Pressure "Hr/psig			
14 01-05-16 KL 01-05-16		NA		X	
Laboratory ID Number	Date Collected	Collection Vessel	Flow Controller ID (Bar code # - FC #)		
14	01/05/16	Summa Can.	AS00942 0A01276	X	
15	01/05/16	Tedlar Bag	NA	X	
16	01/05/16	Summa Can.	AS00928 0A00100	X	
17	01/05/16	Tedlar Bag	NA	X	
16	01/05/16	Summa Can.	AS00993 0A00534	X	
17	01/05/16	Tedlar Bag	NA	X	
16	01/05/16	Summa Can.	AS00935 0A00606	X	
17	01/05/16	Tedlar Bag	NA	X	
14 01-05-16 14 01-05-16				X	
KL 01-05-16 01-05-16				X	

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
 Tier IV (Data Validation Package) 10% Surcharge Type: _____ Units: _____
 Chain of Custody Seal: (Circle)
 INTACT BROKEN ABSENT

Relinquished by: (Signature) *Kenny Lieu* Date: 01-05-16 Time: 09:11
 Relinquished by: (Signature) _____ Date: _____ Time: _____

**ALS Environmental
Sample Acceptance Check Form**

Client: Southern California Gas Company Work order: P1600018
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
 Sample(s) received on: 1/5/16 Date opened: 1/5/16 by: KKELPE

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.

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume 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 temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input 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 preservation , 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 pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials 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 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: 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
P1600018-001.01	6.0 L Silonite Can					
P1600018-001.02	1 L Zefon Bag					
P1600018-002.01	1 L Zefon Bag					
P1600018-002.02	6.0 L Silonite Can					
P1600018-003.01	6.0 L Silonite Can					
P1600018-003.02	1 L Zefon Bag					
P1600018-004.01	1 L Zefon Bag					
P1600018-004.02	6.0 L Silonite Can					
P1600018-005.01	1 L Zefon Bag					
P1600018-005.02	6.0 L Silonite Can					
P1600018-006.01	6.0 L Silonite Can					
P1600018-006.02	1 L Zefon Bag					
P1600018-007.01	6.0 L Silonite Can					
P1600018-007.02	1 L Zefon Bag					
P1600018-008.01	1 L Zefon Bag					

Explain any discrepancies: (include lab sample ID numbers): _____

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

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: P1600018
 ALS Sample ID: P1600018-001

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00946

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.24 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.37

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.4	0.69	
C ₂ as Ethane	ND	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆₊ as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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RESULTS OF ANALYSIS

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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: P1600018
 ALS Sample ID: P1600018-002

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00901

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.56 Final Pressure (psig): 3.57

Canister Dilution Factor: 1.39

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	1.7	0.70	
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆₊ as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: P1600018
 ALS Sample ID: P1600018-003

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00902

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.52 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.40

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.70	
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆₊ as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: P1600018
 ALS Sample ID: P1600018-004

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00941

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.54 Final Pressure (psig): 3.57

Canister Dilution Factor: 1.39

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.70	
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆₊ as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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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: P1600018
 ALS Sample ID: P1600018-005

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00944

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.73 Final Pressure (psig): 3.57

Canister Dilution Factor: 1.41

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.5	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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

ALS Project ID: P1600018
 ALS Sample ID: P1600018-006

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00948

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.42 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.49

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.4	0.75	
C ₂ as Ethane	ND	0.75	
C ₃ as Propane	ND	0.75	
C ₄ as n-Butane	ND	0.75	
C ₅ as n-Pentane	ND	0.75	
C ₆ as n-Hexane	ND	0.75	
C ₆₊ as n-Hexane	ND	0.75	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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.

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

ALS Project ID: P1600018
 ALS Sample ID: P1600018-007

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00962

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.66 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.41

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.4	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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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: P1600018
 ALS Sample ID: P1600018-008

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00939

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.66 Final Pressure (psig): 3.87

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.4	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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Client: Southern California Gas Company

Client Sample ID: SF-2/5

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-009

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00929

Date Collected: 1/5/16

Date Received: 1/5/16

Date Analyzed: 1/5/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.01 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.44

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	0.72	
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆₊ as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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Client: Southern California Gas Company

Client Sample ID: SF-1

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-010

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00940

Date Collected: 1/5/16

Date Received: 1/5/16

Date Analyzed: 1/5/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.56 Final Pressure (psig): 3.99

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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Client: Southern California Gas Company
Client Sample ID: P-40
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-011

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00943

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.14 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.46

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	0.73	
C ₂ as Ethane	ND	0.73	
C ₃ as Propane	ND	0.73	
C ₄ as n-Butane	ND	0.73	
C ₅ as n-Pentane	ND	0.73	
C ₆ as n-Hexane	ND	0.73	
C ₆₊ as n-Hexane	ND	0.73	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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.

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Client: Southern California Gas Company

Client Sample ID: MA1-A

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-012

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00967

Date Collected: 1/5/16

Date Received: 1/5/16

Date Analyzed: 1/5/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.28

Final Pressure (psig): 3.79

Canister Dilution Factor: 1.38

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	0.69	
C ₂ as Ethane	ND	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆₊ as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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Client: Southern California Gas Company
Client Sample ID: T-3 Low Road
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-013

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00945

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.43

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.5	0.72	
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆₊ as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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Client: Southern California Gas Company
Client Sample ID: Porter Ranch Estates 2
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-014

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00942

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.75 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.1	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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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: P1600018
 ALS Sample ID: P1600018-015

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00928

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.78 Final Pressure (psig): 3.76

Canister Dilution Factor: 1.43

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.4	0.72	
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆₊ as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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.

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Client: Southern California Gas Company
Client Sample ID: SS-3H
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-016

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00993

Date Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.47

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	5.6	0.74	
C ₂ as Ethane	ND	0.74	
C ₃ as Propane	ND	0.74	
C ₄ as n-Butane	ND	0.74	
C ₅ as n-Pentane	ND	0.74	
C ₆ as n-Hexane	ND	0.74	
C ₆₊ as n-Hexane	ND	0.74	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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.

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Client: Southern California Gas Company

Client Sample ID: SS-09

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-017

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00935

Date Collected: 1/5/16

Date Received: 1/5/16

Date Analyzed: 1/5/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.97 Final Pressure (psig): 3.90

Canister Dilution Factor: 1.59

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	46	0.80	
C ₂ as Ethane	ND	0.80	
C ₃ as Propane	ND	0.80	
C ₄ as n-Butane	ND	0.80	
C ₅ as n-Pentane	ND	0.80	
C ₆ as n-Hexane	ND	0.80	
C ₆₊ as n-Hexane	ND	0.80	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

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.

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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: P1600018
 ALS Sample ID: P160105-MB

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 1/05/16
 Volume(s) Analyzed: 1.0 ml(s)

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	ND	0.50	
C ₂ as Ethane	ND	0.50	
C ₃ as Propane	ND	0.50	
C ₄ as n-Butane	ND	0.50	
C ₅ as n-Pentane	ND	0.50	
C ₆ as n-Hexane	ND	0.50	
C ₆₊ as n-Hexane	ND	0.50	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

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

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Client: Southern California Gas Company

Client Sample ID: Lab Control Sample

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

ALS Project ID: P1600018

ALS Sample ID: P160105-LCS

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/05/16

Volume(s) Analyzed: NA ml(s)

Compound	Spike Amount ppmV	Result ppmV	% Recovery	ALS	
				Acceptance Limits	Data Qualifier
Methane	1,020	907	89	83-107	
Ethane	1,010	979	97	77-111	
Propane	1,010	1,000	99	78-110	
n-Butane	1,010	995	99	73-109	
n-Pentane	1,010	1,050	104	75-115	
n-Hexane	1,020	1,090	107	73-121	

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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: P1600018
 ALS Sample ID: P1600018-001

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

Date Collected: 1/5/16
 Time Collected: 05:39
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Time Analyzed: 13:37
 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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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.

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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: P1600018
ALS Sample ID: P1600018-002

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

Date Collected: 1/5/16
Time Collected: 05:54
Date Received: 1/5/16
Date Analyzed: 1/5/16
Time Analyzed: 14:08
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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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.

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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: P1600018

ALS Sample ID: P1600018-003

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 05:19

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 14:24

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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.

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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: P1600018
 ALS Sample ID: P1600018-004

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

Date Collected: 1/5/16
 Time Collected: 05:00
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Time Analyzed: 14:40
 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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: P1600018

ALS Sample ID: P1600018-005

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 03:14

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 14:56

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: Holleigh Bernson Park
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-006

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

Date Collected: 1/5/16
 Time Collected: 03:33
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Time Analyzed: 15:11
 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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: Porter Ranch Estates
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
ALS Sample ID: P1600018-007

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

Date Collected: 1/5/16
Time Collected: 03:53
Date Received: 1/5/16
Date Analyzed: 1/5/16
Time Analyzed: 15:26
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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: P1600018

ALS Sample ID: P1600018-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 04:29

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 15:42

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: SF-2/5

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-009

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 07:51

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 15:58

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: SF-1

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-010

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 07:28

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 16:13

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: P-40

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-011

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 07:00

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 16:29

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: MA1-A

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-012

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 02:27

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 17:43

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: T-3 Low Road
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-013

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

Date Collected: 1/5/16
 Time Collected: 02:52
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Time Analyzed: 17:59
 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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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 2

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-014

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 04:11

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 18:37

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: P1600018

ALS Sample ID: P1600018-015

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 04:45

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 18:53

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: SS-3H
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600018
 ALS Sample ID: P1600018-016

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

Date Collected: 1/5/16
 Time Collected: 01:57
 Date Received: 1/5/16
 Date Analyzed: 1/5/16
 Time Analyzed: 19:09
 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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: SS-09

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

ALS Project ID: P1600018

ALS Sample ID: P1600018-017

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/5/16

Time Collected: 01:40

Date Received: 1/5/16

Date Analyzed: 1/5/16

Time Analyzed: 19:25

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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 Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Project ID: P1600018

Total Reduced Sulfur as Hydrogen Sulfide

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Wade Henton
 Sample Type: 1 L Zefon Bag(s)
 Test Notes:

Date(s) Collected: 1/5/16
 Date Received: 1/5/16
 Date Analyzed: 1/5/16

Client Sample ID	ALS Sample ID	Injection Volume ml(s)	Time Analyzed	Result ppbV	MRL ppbV
Porter Ridge Park	P1600018-001	2.0	13:37	ND	5.0
Starter Set Preschool	P1600018-002	2.0	14:08	ND	5.0
Castlebay Elementary School	P1600018-003	2.0	14:24	ND	5.0
Highlands 2	P1600018-004	2.0	14:40	ND	5.0
Porter Ranch Community School	P1600018-005	2.0	14:56	ND	5.0
Holleigh Bernson Park	P1600018-006	2.0	15:11	ND	5.0
Porter Ranch Estates	P1600018-007	2.0	15:26	ND	5.0
Highlands 1	P1600018-008	2.0	15:42	ND	5.0
SF-2/5	P1600018-009	2.0	15:58	ND	5.0
SF-1	P1600018-010	2.0	16:13	ND	5.0
P-40	P1600018-011	2.0	16:29	ND	5.0
MA1-A	P1600018-012	2.0	17:43	ND	5.0
T-3 Low Road	P1600018-013	2.0	17:59	ND	5.0
Porter Ranch Estates 2	P1600018-014	2.0	18:37	ND	5.0
Highlands 3	P1600018-015	2.0	18:53	ND	5.0
SS-3H	P1600018-016	2.0	19:09	ND	5.0
SS-09	P1600018-017	2.0	19:25	ND	5.0
Method Blank	P160105-MB	2.0	10:06	ND	5.0
Method Blank	P160105-MB	2.0	17:27	ND	5.0

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 me

Data
Qualifier

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: P1600018

ALS Sample ID: P160105-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Time Collected: NA

Date Received: NA

Date Analyzed: 1/05/16

Time Analyzed: 10:06

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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: P1600018
 ALS Sample ID: P160105-MB

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

Date Collected: NA
 Time Collected: NA
 Date Received: NA
 Date Analyzed: 1/05/16
 Time Analyzed: 17:27
 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	
75-15-0	Carbon Disulfide	ND	2.5	
75-66-1	tert-Butyl 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: P1600018
ALS Sample ID: P160105-LCS

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

Date Collected: NA
Date Received: NA
Date Analyzed: 1/05/16
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	1,080	108	65-138	
463-58-1	Carbonyl Sulfide	1,000	1,070	107	60-135	
74-93-1	Methyl Mercaptan	1,000	1,010	101	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: P1600018

ALS Sample ID: P160105-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/05/16

Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	
					Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	1,000	1,070	107	65-138	
463-58-1	Carbonyl Sulfide	1,000	980	98	60-135	
74-93-1	Methyl Mercaptan	1,000	1,020	102	57-140	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Porter Ridge Park

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-001

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00946

Initial Pressure (psig): -1.24 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.37

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.27	0.043	
108-88-3	Toluene	0.49	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.23	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: Starter Set Preschool

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-002

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00901

Initial Pressure (psig): -1.56 Final Pressure (psig): 3.57

Canister Dilution Factor: 1.39

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.25	0.044	
108-88-3	Toluene	0.47	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.22	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

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Client: Southern California Gas Company

Client Sample ID: Castlebay Elementary School

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-003

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00902

Initial Pressure (psig): -1.52 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.40

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.28	0.044	
108-88-3	Toluene	0.52	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.25	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

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Client: Southern California Gas Company

Client Sample ID: Highlands 2

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-004

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00941

Initial Pressure (psig): -1.54 Final Pressure (psig): 3.57

Canister Dilution Factor: 1.39

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.31	0.044	
108-88-3	Toluene	0.56	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.27	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

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Community School

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-005

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00944

Initial Pressure (psig): -1.73 Final Pressure (psig): 3.57

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.34	0.044	
108-88-3	Toluene	0.62	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.31	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

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Client: Southern California Gas Company

Client Sample ID: Holleigh Bernson Park

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-006

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00948

Initial Pressure (psig): -2.42 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.49

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.32	0.047	
108-88-3	Toluene	0.62	0.20	
100-41-4	Ethylbenzene	ND	0.17	
179601-23-1	m,p-Xylenes	0.31	0.17	
95-47-6	o-Xylene	ND	0.17	

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.

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RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-007

Test Code: EPA TO-15

Date Collected: 1/5/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/5/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00962

Initial Pressure (psig): -1.66 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.33	0.044	
108-88-3	Toluene	0.64	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.32	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

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Client: Southern California Gas Company

Client Sample ID: Highlands 1

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-008

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00939

Initial Pressure (psig): -1.66 Final Pressure (psig): 3.87

Canister Dilution Factor: 1.42

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.30	0.044	
108-88-3	Toluene	0.51	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.27	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

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Client: Southern California Gas Company

Client Sample ID: SF-2/5

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-009

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00929

Initial Pressure (psig): -2.01 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.44

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.18	0.045	
108-88-3	Toluene	0.26	0.19	
100-41-4	Ethylbenzene	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.17	
95-47-6	o-Xylene	ND	0.17	

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: SF-1

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-010

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00940

Initial Pressure (psig): -1.56 Final Pressure (psig): 3.99

Canister Dilution Factor: 1.42

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.21	0.044	
108-88-3	Toluene	0.35	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.63	0.16	
95-47-6	o-Xylene	0.37	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

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Client: Southern California Gas Company

Client Sample ID: P-40

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-011

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00943

Initial Pressure (psig): -2.14 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.46

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.20	0.046	
108-88-3	Toluene	0.25	0.19	
100-41-4	Ethylbenzene	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.17	
95-47-6	o-Xylene	ND	0.17	

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: MA1-A

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-012

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00967

Initial Pressure (psig): -1.28 Final Pressure (psig): 3.79

Canister Dilution Factor: 1.38

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.043	
108-88-3	Toluene	0.48	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.25	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

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Client: Southern California Gas Company

Client Sample ID: T-3 Low Road

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-013

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00945

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.43

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.33	0.045	
108-88-3	Toluene	0.57	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.29	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

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates 2

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-014

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00942

Initial Pressure (psig): -1.75 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.42

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.33	0.044	
108-88-3	Toluene	0.56	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.29	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

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Client: Southern California Gas Company

Client Sample ID: Highlands 3

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-015

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00928

Initial Pressure (psig): -1.78 Final Pressure (psig): 3.76

Canister Dilution Factor: 1.43

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.33	0.045	
108-88-3	Toluene	0.51	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	0.26	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

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Client: Southern California Gas Company

Client Sample ID: SS-3H

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-016

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00993

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.47

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.18	0.046	
108-88-3	Toluene	0.21	0.20	
100-41-4	Ethylbenzene	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.17	
95-47-6	o-Xylene	ND	0.17	

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: SS-09

ALS Project ID: P1600018

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

ALS Sample ID: P1600018-017

Test Code: EPA TO-15

Date Collected: 1/5/16

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

Date Received: 1/5/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00935

Initial Pressure (psig): -2.97 Final Pressure (psig): 3.90

Canister Dilution Factor: 1.59

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.27	0.050	
108-88-3	Toluene	0.29	0.21	
100-41-4	Ethylbenzene	ND	0.18	
179601-23-1	m,p-Xylenes	ND	0.18	
95-47-6	o-Xylene	ND	0.18	

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

ALS Project ID: P1600018

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

ALS Sample ID: P160105-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: NA

Analyst: Evelyn Alvarez

Date Analyzed: 1/5/16

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Method Blank

ALS Project ID: P1600018

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

ALS Sample ID: P160105-MB

Test Code: EPA TO-15

Date Collected: NA

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

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 1/5/16

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

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Client: Southern California Gas Company

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

ALS Project ID: P1600018

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date(s) Collected: 1/5/16

Date(s) Received: 1/5/16

Analyst: Lusine Hakobyan/Evelyn Alvarez

Date(s) Analyzed: 1/5/16

Sample Type: 6.0 L Silonite Canister(s)

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	P160105-MB	97	101	104	70-130	
Method Blank	P160105-MB	103	98	98	70-130	
Lab Control Sample	P160105-LCS	93	101	107	70-130	
Lab Control Sample	P160105-LCS	103	93	100	70-130	
Porter Ridge Park	P1600018-001	103	101	101	70-130	
Starter Set Preschool	P1600018-002	103	100	99	70-130	
Castlebay Elementary School	P1600018-003	106	100	99	70-130	
Highlands 2	P1600018-004	104	99	98	70-130	
Porter Ranch Community School	P1600018-005	107	100	97	70-130	
Holleigh Bernson Park	P1600018-006	106	100	98	70-130	
Porter Ranch Estates	P1600018-007	107	100	96	70-130	
Highlands 1	P1600018-008	103	97	97	70-130	
SF-2/5	P1600018-009	98	104	104	70-130	
SF-1	P1600018-010	103	98	99	70-130	
P-40	P1600018-011	108	92	99	70-130	
MA1-A	P1600018-012	99	99	104	70-130	
T-3 Low Road	P1600018-013	106	105	102	70-130	
Porter Ranch Estates 2	P1600018-014	105	97	96	70-130	
Highlands 3	P1600018-015	106	91	98	70-130	
SS-3H	P1600018-016	104	97	96	70-130	
SS-09	P1600018-017	110	90	89	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: P1600018

ALS Sample ID: P160105-LCS

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Analyst: Evelyn Alvarez

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/5/16

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	69.0	97	61-110	
108-88-3	Toluene	57.9	59.0	102	67-117	
100-41-4	Ethylbenzene	50.2	56.1	112	69-123	
179601-23-1	m,p-Xylenes	98.6	111	113	67-125	
95-47-6	o-Xylene	48.4	54.4	112	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.

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: P1600018

ALS Sample ID: P160105-LCS

Test Code: EPA TO-15

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

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/5/16

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	68.0	96	61-110	
108-88-3	Toluene	57.9	49.6	86	67-117	
100-41-4	Ethylbenzene	50.2	47.3	94	69-123	
179601-23-1	m,p-Xylenes	98.6	91.7	93	67-125	
95-47-6	o-Xylene	48.4	44.4	92	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.