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www.alsglobal.com

LABORATORY REPORT

January 19, 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 18, 2016. For your reference, these analyses have been assigned our service request number P1600220.

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

By Sue Anderson at 12:45 pm, Jan 19, 2016

Sue Anderson
Project Manager



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Client: Southern California Gas Company Service Request No: P1600220
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 18, 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 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 samples were also 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 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.

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	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: P1600220

Date Received: 1/18/2016
 Time Received: 09:05

TO-3 Modified - C1C6+ Can	ASTM D 5504-12 - Sulfur Can	TO-15 - VOC Cans
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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	ASTM D 5504-12 - Sulfur Can	TO-15 - VOC Cans
AA-01-B-011716	P1600220-001	Air	1/17/2016	18:32	AS00962	-2.42	1.14	X	X	X
AA-02-B-011716	P1600220-002	Air	1/17/2016	18:27	AS00902	-1.48	1.44	X	X	X
AA-03-B-011716	P1600220-003	Air	1/17/2016	18:38	AS00934	-2.50	1.16	X	X	X
AA-04-B-011716	P1600220-004	Air	1/17/2016	17:01	AS00932	-2.39	1.21	X	X	X
AA-05-B-011716	P1600220-005	Air	1/17/2016	18:58	AS00995	-2.94	1.13	X	X	X
AA-06-B-011716	P1600220-006	Air	1/17/2016	19:07	AS00940	-3.03	1.20	X	X	X
SS-3H-B-011716	P1600220-007	Air	1/17/2016	17:53	AS00981	-2.84	1.25	X	X	X
SF-1-B-011716	P1600220-008	Air	1/17/2016	17:51	AS00968	-3.56	1.23	X	X	X
SF-2/5-B-011716	P1600220-009	Air	1/17/2016	17:57	AS00961	-3.83	1.28	X	X	X



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
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 Phone (805) 526-7161
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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		Project Name SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION Project Number 14424 P.O. # / Billing Information		Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) <u>2</u> Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard		ALS Project No. <u>P1600220</u> ALS Contact: Sue Anderson	
Sampler (Print & Sign) Jesus Lopez		Flow Controller ID (Bar code # - FC #) SFC 00130		Canister Start Pressure ⁱⁿHg 28.1		Canister End Pressure ⁱⁿHg/psig 5.75	
Collection Vessel Silonite Canister		Collection Time Start: 01-17-16 End: 01-17-16		Collection Date Start: 01-17-16 End: 01-17-16		Analysis Method ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	
Client Sample ID AA-01-B-011716		Laboratory ID Number 1		Collection Date Start: 01-17-16 End: 01-17-16		TO3 modified for Methane X	
AA-02-B-011716		2		Start: 01-17-16 End: 01-17-16		X	
AA-03-B-011716		3		Start: 01-17-16 End: 01-17-16		X	
AA-04-B-011716		4		Start: 01-17-16 End: 01-17-16		X	
AA-05-B-011716		5		Start: 01-17-16 End: 01-17-16		X	
AA-06-B-011716		6		Start: 01-17-16 End: 01-17-16		X	
SS-3H-B-011716		7		Start: 01-17-16 End: 01-17-16		X	
SF-1-B-011716		8		Start: 01-17-16 End: 01-17-16		X	
SF-25-B-011716		9		Start: 01-17-16 End: 01-17-16		X	
Report Tier Levels - please select Tier I - Results (Default if not specified) _____ Tier II (Results + QC Summaries) <u>X</u> _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Data Validation Package) 10% Surcharge Type: _____		EDD required (Yes / No) Yes / No		Units:		Chain of Custody Seal: (Circle) INTACT <u>BROKEN</u> ABSENT	
Relinquished by: (Signature) [Signature]		Received by: (Signature) [Signature]		Date: 01-18-16		Date: 1/18/16	
Relinquished by: (Signature) [Signature]		Received by: (Signature) [Signature]		Time: 0905		Time: 0905	

**ALS Environmental
Sample Acceptance Check Form**

Client: Southern California Gas Company Work order: P1600220
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
 Sample(s) received on: 1/18/16 Date opened: 1/18/16 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.

- | | 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 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 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
P1600220-001.01	6.0 L Silonite Can					
P1600220-002.01	6.0 L Silonite Can					
P1600220-003.01	6.0 L Silonite Can					
P1600220-004.01	6.0 L Silonite Can					
P1600220-005.01	6.0 L Silonite Can					
P1600220-006.01	6.0 L Silonite Can					
P1600220-007.01	6.0 L Silonite Can					
P1600220-008.01	6.0 L Silonite Can					
P1600220-009.01	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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

ALS Project ID: P1600220

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: 1/18/16
 Date Analyzed: 1/18/16

Client Sample ID	ALS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
AA-01-B-011716	P1600220-001	1.29	1.0	4.9	0.65	
AA-02-B-011716	P1600220-002	1.22	1.0	3.8	0.61	
AA-03-B-011716	P1600220-003	1.30	1.0	6.0	0.65	
AA-04-B-011716	P1600220-004	1.29	1.0	5.6	0.65	
AA-05-B-011716	P1600220-005	1.35	1.0	4.7	0.68	
AA-06-B-011716	P1600220-006	1.36	1.0	2.2	0.68	
SS-3H-B-011716	P1600220-007	1.34	1.0	92	0.67	
SF-1-B-011716	P1600220-008	1.43	1.0	3.3	0.72	
SF-2/5-B-011716	P1600220-009	1.47	1.0	6.2	0.74	
Method Blank	P160118-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: P1600220

ALS Sample ID: P160118-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: 1/18/16

Volume(s) Analyzed: NA ml(s)

Compound	Spike Amount ppmV	Result ppmV	% Recovery	ALS	Data Qualifier
				Acceptance Limits	
Methane	1,020	971	95	83-107	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-01-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-001

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00962

Date Collected: 1/17/16
 Time Collected: 18:32
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:27
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.42 Final Pressure (psig): 1.14

Canister Dilution Factor: 1.29

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.5	
463-58-1	Carbonyl Sulfide	ND	6.5	
74-93-1	Methyl Mercaptan	ND	3.2	
75-08-1	Ethyl Mercaptan	ND	3.2	
75-18-3	Dimethyl Sulfide	ND	3.2	
75-15-0	Carbon Disulfide	ND	3.2	
75-33-2	Isopropyl Mercaptan	ND	3.2	
75-66-1	tert-Butyl Mercaptan	ND	3.2	
107-03-9	n-Propyl Mercaptan	ND	3.2	
110-01-0	Tetrahydrothiophene	ND	3.2	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-02-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-002

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00902

Date Collected: 1/17/16
 Time Collected: 18:27
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:38
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -1.48 Final Pressure (psig): 1.44

Canister Dilution Factor: 1.22

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.1	
463-58-1	Carbonyl Sulfide	ND	6.1	
74-93-1	Methyl Mercaptan	ND	3.1	
75-08-1	Ethyl Mercaptan	ND	3.1	
75-18-3	Dimethyl Sulfide	ND	3.1	
75-15-0	Carbon Disulfide	ND	3.1	
75-33-2	Isopropyl Mercaptan	ND	3.1	
75-66-1	tert-Butyl Mercaptan	ND	3.1	
107-03-9	n-Propyl Mercaptan	ND	3.1	
110-01-0	Tetrahydrothiophene	ND	3.1	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-03-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-003

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00934

Date Collected: 1/17/16
 Time Collected: 18:38
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:39
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.50 Final Pressure (psig): 1.16

Canister Dilution Factor: 1.30

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.5	
463-58-1	Carbonyl Sulfide	ND	6.5	
74-93-1	Methyl Mercaptan	ND	3.3	
75-08-1	Ethyl Mercaptan	ND	3.3	
75-18-3	Dimethyl Sulfide	ND	3.3	
75-15-0	Carbon Disulfide	ND	3.3	
75-33-2	Isopropyl Mercaptan	ND	3.3	
75-66-1	tert-Butyl Mercaptan	ND	3.3	
107-03-9	n-Propyl Mercaptan	ND	3.3	
110-01-0	Tetrahydrothiophene	ND	3.3	

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: AA-04-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-004

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00932

Date Collected: 1/17/16
 Time Collected: 17:01
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:51
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -2.39 Final Pressure (psig): 1.21

Canister Dilution Factor: 1.29

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.5	
463-58-1	Carbonyl Sulfide	ND	6.5	
74-93-1	Methyl Mercaptan	ND	3.2	
75-08-1	Ethyl Mercaptan	ND	3.2	
75-18-3	Dimethyl Sulfide	ND	3.2	
75-15-0	Carbon Disulfide	ND	3.2	
75-33-2	Isopropyl Mercaptan	ND	3.2	
75-66-1	tert-Butyl Mercaptan	ND	3.2	
107-03-9	n-Propyl Mercaptan	ND	3.2	
110-01-0	Tetrahydrothiophene	ND	3.2	

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: AA-05-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-005

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00995

Date Collected: 1/17/16
 Time Collected: 18:58
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:52
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.94 Final Pressure (psig): 1.13

Canister Dilution Factor: 1.35

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.8	
463-58-1	Carbonyl Sulfide	ND	6.8	
74-93-1	Methyl Mercaptan	ND	3.4	
75-08-1	Ethyl Mercaptan	ND	3.4	
75-18-3	Dimethyl Sulfide	ND	3.4	
75-15-0	Carbon Disulfide	ND	3.4	
75-33-2	Isopropyl Mercaptan	ND	3.4	
75-66-1	tert-Butyl Mercaptan	ND	3.4	
107-03-9	n-Propyl Mercaptan	ND	3.4	
110-01-0	Tetrahydrothiophene	ND	3.4	

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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-06-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-006

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00940

Date Collected: 1/17/16
 Time Collected: 19:07
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 11:02
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.03 Final Pressure (psig): 1.20

Canister Dilution Factor: 1.36

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.8	
463-58-1	Carbonyl Sulfide	ND	6.8	
74-93-1	Methyl Mercaptan	ND	3.4	
75-08-1	Ethyl Mercaptan	ND	3.4	
75-18-3	Dimethyl Sulfide	ND	3.4	
75-15-0	Carbon Disulfide	ND	3.4	
75-33-2	Isopropyl Mercaptan	ND	3.4	
75-66-1	tert-Butyl Mercaptan	ND	3.4	
107-03-9	n-Propyl Mercaptan	ND	3.4	
110-01-0	Tetrahydrothiophene	ND	3.4	

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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: SS-3H-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-007

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00981

Date Collected: 1/17/16
 Time Collected: 17:53
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 11:03
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.84 Final Pressure (psig): 1.25

Canister Dilution Factor: 1.34

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.7	
463-58-1	Carbonyl Sulfide	ND	6.7	
74-93-1	Methyl Mercaptan	ND	3.4	
75-08-1	Ethyl Mercaptan	ND	3.4	
75-18-3	Dimethyl Sulfide	ND	3.4	
75-15-0	Carbon Disulfide	ND	3.4	
75-33-2	Isopropyl Mercaptan	ND	3.4	
75-66-1	tert-Butyl Mercaptan	ND	3.4	
107-03-9	n-Propyl Mercaptan	ND	3.4	
110-01-0	Tetrahydrothiophene	ND	3.4	

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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: SF-1-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-008

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00968

Date Collected: 1/17/16
 Time Collected: 17:51
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 11:17
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.56 Final Pressure (psig): 1.23

Canister Dilution Factor: 1.43

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.2	
463-58-1	Carbonyl Sulfide	ND	7.2	
74-93-1	Methyl Mercaptan	ND	3.6	
75-08-1	Ethyl Mercaptan	ND	3.6	
75-18-3	Dimethyl Sulfide	ND	3.6	
75-15-0	Carbon Disulfide	ND	3.6	
75-33-2	Isopropyl Mercaptan	ND	3.6	
75-66-1	tert-Butyl Mercaptan	ND	3.6	
107-03-9	n-Propyl Mercaptan	ND	3.6	
110-01-0	Tetrahydrothiophene	ND	3.6	

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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: SF-2/5-B-011716

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

ALS Project ID: P1600220

ALS Sample ID: P1600220-009

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00961

Date Collected: 1/17/16
 Time Collected: 17:57
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 11:18
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -3.83 Final Pressure (psig): 1.28

Canister Dilution Factor: 1.47

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.4	
463-58-1	Carbonyl Sulfide	ND	7.4	
74-93-1	Methyl Mercaptan	ND	3.7	
75-08-1	Ethyl Mercaptan	ND	3.7	
75-18-3	Dimethyl Sulfide	ND	3.7	
75-15-0	Carbon Disulfide	ND	3.7	
75-33-2	Isopropyl Mercaptan	ND	3.7	
75-66-1	tert-Butyl Mercaptan	ND	3.7	
107-03-9	n-Propyl Mercaptan	ND	3.7	
110-01-0	Tetrahydrothiophene	ND	3.7	

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: P1600220

ALS Sample ID: P160118-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Time Collected: NA

Date Received: NA

Date Analyzed: 1/18/16

Time Analyzed: 08:21

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

Page 1 of 1

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

ALS Project ID: P1600220
 ALS Sample ID: P160118-MB

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 7890A/GC22/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Time Collected: NA
 Date Received: NA
 Date Analyzed: 1/18/16
 Time Analyzed: 08:06
 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	
75-18-3	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: P1600220

ALS Sample ID: P160118-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/18/16

Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	
					Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	2,000	2,440	122	65-138	
463-58-1	Carbonyl Sulfide	2,000	2,570	129	60-135	
74-93-1	Methyl Mercaptan	2,000	2,520	126	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: P1600220

ALS Sample ID: P160118-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/18/16

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	1,160	116	65-138	
463-58-1	Carbonyl Sulfide	1,000	1,070	107	60-135	
74-93-1	Methyl Mercaptan	1,000	1,100	110	57-140	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-01-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-001

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00962

Initial Pressure (psig): -2.42 Final Pressure (psig): 1.14

Canister Dilution Factor: 1.29

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.16	0.040	
108-88-3	Toluene	0.18	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: AA-02-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-002

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00902

Initial Pressure (psig): -1.48 Final Pressure (psig): 1.44

Canister Dilution Factor: 1.22

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.17	0.038	
108-88-3	Toluene	0.31	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	0.28	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: AA-03-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-003

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00934

Initial Pressure (psig): -2.50 Final Pressure (psig): 1.16

Canister Dilution Factor: 1.30

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.17	0.041	
108-88-3	Toluene	0.21	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

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Client: Southern California Gas Company

Client Sample ID: AA-04-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-004

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00932

Initial Pressure (psig): -2.39 Final Pressure (psig): 1.21

Canister Dilution Factor: 1.29

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.15	0.040	
108-88-3	Toluene	0.18	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

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Client: Southern California Gas Company

Client Sample ID: AA-05-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-005

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00995

Initial Pressure (psig): -2.94 Final Pressure (psig): 1.13

Canister Dilution Factor: 1.35

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.15	0.042	
108-88-3	Toluene	ND	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	ND	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: AA-06-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-006

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00940

Initial Pressure (psig): -3.03 Final Pressure (psig): 1.20

Canister Dilution Factor: 1.36

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.14	0.043	
108-88-3	Toluene	ND	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	ND	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-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-007

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00981

Initial Pressure (psig): -2.84 Final Pressure (psig): 1.25

Canister Dilution Factor: 1.34

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	1.9	0.042	
108-88-3	Toluene	2.7	0.18	
100-41-4	Ethylbenzene	0.23	0.15	
179601-23-1	m,p-Xylenes	1.2	0.15	
95-47-6	o-Xylene	0.31	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: SF-1-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-008

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00968

Initial Pressure (psig): -3.56 Final Pressure (psig): 1.23

Canister Dilution Factor: 1.43

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.12	0.045	
108-88-3	Toluene	ND	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	ND	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: SF-2/5-B-011716

ALS Project ID: P1600220

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

ALS Sample ID: P1600220-009

Test Code: EPA TO-15

Date Collected: 1/17/16

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

Date Received: 1/18/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00961

Initial Pressure (psig): -3.83 Final Pressure (psig): 1.28

Canister Dilution Factor: 1.47

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.15	0.046	
108-88-3	Toluene	ND	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: Method Blank

ALS Project ID: P1600220

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

ALS Sample ID: P160118-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: 1/18/16

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: P1600220

Test Code: EPA TO-15

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

Date(s) Collected: 1/17/16

Analyst: Lusine Hakobyan

Date(s) Received: 1/18/16

Sample Type: 6.0 L Silonite Canister(s)

Date(s) Analyzed: 1/18/16

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	P160118-MB	99	102	100	70-130	
Lab Control Sample	P160118-LCS	95	99	104	70-130	
AA-01-B-011716	P1600220-001	101	100	104	70-130	
AA-02-B-011716	P1600220-002	101	100	104	70-130	
AA-03-B-011716	P1600220-003	101	100	104	70-130	
AA-04-B-011716	P1600220-004	102	100	104	70-130	
AA-05-B-011716	P1600220-005	101	100	104	70-130	
AA-06-B-011716	P1600220-006	101	100	104	70-130	
SS-3H-B-011716	P1600220-007	100	100	105	70-130	
SF-1-B-011716	P1600220-008	100	101	103	70-130	
SF-2/5-B-011716	P1600220-009	101	100	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: P1600220

ALS Sample ID: P160118-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: 1/18/16

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	57.8	82	61-110	
108-88-3	Toluene	57.9	53.4	92	67-117	
100-41-4	Ethylbenzene	50.2	49.9	99	69-123	
179601-23-1	m,p-Xylenes	98.6	97.0	98	67-125	
95-47-6	o-Xylene	48.4	47.7	99	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.