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www.alsglobal.com

LABORATORY REPORT

January 15, 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 14, 2016. For your reference, these analyses have been assigned our service request number P1600169.

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 1:30 pm, Jan 15, 2016

Sue Anderson
Project Manager



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Client: Southern California Gas Company Service Request No: P1600169
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

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: P1600169

Date Received: 1/14/2016
 Time Received: 09:57

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-011316	P1600169-001	Air	1/13/2016	18:07	AS00948	-3.55	1.05	X	X	X
AA-02-B-011316	P1600169-002	Air	1/13/2016	18:20	AS00992	-3.81	1.04	X	X	X
AA-03-B-011316	P1600169-003	Air	1/13/2016	18:30	AS00945	-4.49	1.09	X	X	X
AA-04-B-011316	P1600169-004	Air	1/13/2016	18:42	AS00968	-5.05	1.00	X	X	X
AA-06-B-011316	P1600169-006	Air	1/13/2016	18:58	AS00932	-4.43	1.03	X	X	X
SS-3H-B-011316	P1600169-007	Air	1/13/2016	18:09	AS00929	-4.09	1.04	X	X	X
SF-1-B-011316	P1600169-008	Air	1/13/2016	18:29	AS00970	-3.82	1.06	X	X	X
SF-2/5-B-011316	P1600169-009	Air	1/13/2016	18:37	AS01000	-3.56	1.00	X	X	X



Air - Chain of Custody Record & Analytical Service Request

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

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

ALS Project No. 211600116

Company Name & Address (Reporting Information)		Project Name		ALS Contact:					
AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805		SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION		Sue Anderson					
Project Manager SON BUI		Project Number 14424		Analysis Method					
Phone (714) 254-1945		P.O. # / Billing Information		TO-3 modified for Methane					
Fax (714) 956-2350		Sampler (Print & Sign) <i>Jesus Lopez</i>		ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)					
Email Address for Result Reporting		Please see Kelly Horiuchi for distribution list.		TO-15 (BTEX)					
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	Comment
AA-01-B-011316	1	01/13/16	0636 1807	Silonite Canister	A500948	SFC00111	28	7	
AA-02-B-011316	2	01/13/16	0639 1820	Silonite Canister	A500942	SFC00159	28	7.2	
AA-03-B-011316	3	01/13/16	0717 1830	Silonite Canister	A500945	SFC00158	28	9	
AA-04-B-011316	4	01/13/16	0804 1842	Silonite Canister	A500968	SFC00082	28.5	10	
AA-05-B-011316	5	01/13/16	0815 1852	Silonite Canister	A500940	SFC00074	28.5	*	Bad gauge - ? Check Controller
AA-06-B-011316	6	01/13/16	0826 1858	Silonite Canister	A500932	SFC00117	28.5	9	
SS-3H-B-011316	7	01/13/16	0600 1809	Silonite Canister	A500968 00929	SFC00130	28.5	5	
SF-1-B-011316	8	01/13/16	0625 1829	Silonite Canister	A500970	SFC00910	27.5	6.5	
SF-2-5-B-011316	9	01/13/16	0642 1837	Silonite Canister	A501000	SFC00146	27.5	7.5	

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

Relinquished by: (Signature) *[Signature]* Date: 01-14-16 09:57
 Relinquished by: (Signature) *[Signature]* Date: 01-14-16 09:57

**ALS Environmental
Sample Acceptance Check Form**

Client: Southern California Gas Company Work order: P1600169
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
 Sample(s) received on: 1/14/16 Date opened: 1/14/16 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
P1600169-001.01	6.0 L Silonite Can					
P1600169-002.01	6.0 L Silonite Can					
P1600169-003.01	6.0 L Silonite Can					
P1600169-004.01	6.0 L Silonite Can					
P1600169-005.01	6.0 L Silonite Can					Can received at full vacuum
P1600169-006.01	6.0 L Silonite Can					
P1600169-007.01	6.0 L Silonite Can					
P1600169-008.01	6.0 L Silonite Can					
P1600169-009.01	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

Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 144245 Project ID: P1600169

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: 1/13/16
Date Received: 1/14/16
Date Analyzed: 1/14/16

Client Sample ID	ALS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
AA-01-B-011316	P1600169-001	1.41	1.0	3.2	0.71	
AA-02-B-011316	P1600169-002	1.45	1.0	3.3	0.73	
AA-03-B-011316	P1600169-003	1.55	1.0	3.4	0.78	
AA-04-B-011316	P1600169-004	1.63	1.0	3.8	0.82	
AA-06-B-011316	P1600169-006	1.53	1.0	4.1	0.77	
SS-3H-B-011316	P1600169-007	1.48	1.0	29	0.74	
SF-1-B-011316	P1600169-008	1.45	1.0	3.5	0.73	
SF-2/5-B-011316	P1600169-009	1.41	1.0	3.9	0.71	
Method Blank	P160114-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: P1600169

ALS Sample ID: P160114-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: 1/14/16

Volume(s) Analyzed: NA ml(s)

Compound	Spike Amount ppmV	Result ppmV	% Recovery	ALS	Data Qualifier
				Acceptance Limits	
Methane	1,020	939	92	83-107	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-01-B-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-001

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: AS00948

Date Collected: 1/13/16
 Time Collected: 18:07
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 11:38
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.55 Final Pressure (psig): 1.05

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.1	
463-58-1	Carbonyl Sulfide	ND	7.1	
74-93-1	Methyl Mercaptan	ND	3.5	
75-08-1	Ethyl Mercaptan	ND	3.5	
75-18-3	Dimethyl Sulfide	ND	3.5	
75-15-0	Carbon Disulfide	ND	3.5	
75-33-2	Isopropyl Mercaptan	ND	3.5	
75-66-1	tert-Butyl Mercaptan	ND	3.5	
107-03-9	n-Propyl Mercaptan	ND	3.5	
110-01-0	Tetrahydrothiophene	ND	3.5	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-02-B-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-002

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: AS00992

Date Collected: 1/13/16
 Time Collected: 18:20
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 11:49
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.81 Final Pressure (psig): 1.04

Canister Dilution Factor: 1.45

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.3	
463-58-1	Carbonyl Sulfide	ND	7.3	
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.

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-03-B-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-003

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: AS00945

Date Collected: 1/13/16
 Time Collected: 18:30
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 12:01
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -4.49 Final Pressure (psig): 1.09

Canister Dilution Factor: 1.55

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.8	
463-58-1	Carbonyl Sulfide	ND	7.8	
74-93-1	Methyl Mercaptan	ND	3.9	
75-08-1	Ethyl Mercaptan	ND	3.9	
75-18-3	Dimethyl Sulfide	ND	3.9	
75-15-0	Carbon Disulfide	ND	3.9	
75-33-2	Isopropyl Mercaptan	ND	3.9	
75-66-1	tert-Butyl Mercaptan	ND	3.9	
107-03-9	n-Propyl Mercaptan	ND	3.9	
110-01-0	Tetrahydrothiophene	ND	3.9	

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

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-04-B-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-004

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: AS00968

Date Collected: 1/13/16
 Time Collected: 18:42
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 13:01
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -5.05 Final Pressure (psig): 1.00

Canister Dilution Factor: 1.63

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	8.2	
463-58-1	Carbonyl Sulfide	ND	8.2	
74-93-1	Methyl Mercaptan	ND	4.1	
75-08-1	Ethyl Mercaptan	ND	4.1	
75-18-3	Dimethyl Sulfide	ND	4.1	
75-15-0	Carbon Disulfide	ND	4.1	
75-33-2	Isopropyl Mercaptan	ND	4.1	
75-66-1	tert-Butyl Mercaptan	ND	4.1	
107-03-9	n-Propyl Mercaptan	ND	4.1	
110-01-0	Tetrahydrothiophene	ND	4.1	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-06-B-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-006

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: AS00932

Date Collected: 1/13/16
 Time Collected: 18:58
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 13:12
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -4.43 Final Pressure (psig): 1.03

Canister Dilution Factor: 1.53

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.7	
463-58-1	Carbonyl Sulfide	ND	7.7	
74-93-1	Methyl Mercaptan	ND	3.8	
75-08-1	Ethyl Mercaptan	ND	3.8	
75-18-3	Dimethyl Sulfide	ND	3.8	
75-15-0	Carbon Disulfide	ND	3.8	
75-33-2	Isopropyl Mercaptan	ND	3.8	
75-66-1	tert-Butyl Mercaptan	ND	3.8	
107-03-9	n-Propyl Mercaptan	ND	3.8	
110-01-0	Tetrahydrothiophene	ND	3.8	

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-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-007

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: AS00929

Date Collected: 1/13/16
 Time Collected: 18:09
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 13:24
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -4.09 Final Pressure (psig): 1.04

Canister Dilution Factor: 1.48

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	

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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-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-008

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: AS00970

Date Collected: 1/13/16
 Time Collected: 18:29
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 13:36
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.82 Final Pressure (psig): 1.06

Canister Dilution Factor: 1.45

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.3	
463-58-1	Carbonyl Sulfide	ND	7.3	
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-011316

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

ALS Project ID: P1600169

ALS Sample ID: P1600169-009

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: AS01000

Date Collected: 1/13/16
 Time Collected: 18:37
 Date Received: 1/14/16
 Date Analyzed: 1/14/16
 Time Analyzed: 13:47
 Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.56 Final Pressure (psig): 1.00

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.1	
463-58-1	Carbonyl Sulfide	ND	7.1	
74-93-1	Methyl Mercaptan	ND	3.5	
75-08-1	Ethyl Mercaptan	ND	3.5	
75-18-3	Dimethyl Sulfide	ND	3.5	
75-15-0	Carbon Disulfide	ND	3.5	
75-33-2	Isopropyl Mercaptan	ND	3.5	
75-66-1	tert-Butyl Mercaptan	ND	3.5	
107-03-9	n-Propyl Mercaptan	ND	3.5	
110-01-0	Tetrahydrothiophene	ND	3.5	

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: P1600169

ALS Sample ID: P160114-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: 1/14/16

Time Analyzed: 06:58

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	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Method Blank

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

ALS Project ID: P1600169

ALS Sample ID: P160114-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: 1/14/16
 Time Analyzed: 12:46
 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: P1600169

ALS Sample ID: P160114-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: 1/14/16

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	1,050	105	65-138	
463-58-1	Carbonyl Sulfide	1,000	941	94	60-135	
74-93-1	Methyl Mercaptan	1,000	956	96	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: P1600169
ALS Sample ID: P160114-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: 1/14/16
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	1,100	110	65-138	
463-58-1	Carbonyl Sulfide	1,000	975	98	60-135	
74-93-1	Methyl Mercaptan	1,000	993	99	57-140	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: AA-01-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-001

Test Code: EPA TO-15

Date Collected: 1/13/16

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

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/15/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00948

Initial Pressure (psig): -3.55 Final Pressure (psig): 1.05

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.12	0.044	
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

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Client: Southern California Gas Company

Client Sample ID: AA-02-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-002

Test Code: EPA TO-15

Date Collected: 1/13/16

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

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/15/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00992

Initial Pressure (psig): -3.81 Final Pressure (psig): 1.04

Canister Dilution Factor: 1.45

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.15	0.045	
108-88-3	Toluene	ND	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: AA-03-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-003

Test Code: EPA TO-15

Date Collected: 1/13/16

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

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/15/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00945

Initial Pressure (psig): -4.49 Final Pressure (psig): 1.09

Canister Dilution Factor: 1.55

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.27	0.049	
108-88-3	Toluene	ND	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: AA-04-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-004

Test Code: EPA TO-15

Date Collected: 1/13/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/14/16

Analyst: Wida Ang

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00968

Initial Pressure (psig): -5.05 Final Pressure (psig): 1.00

Canister Dilution Factor: 1.63

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.13	0.051	
108-88-3	Toluene	ND	0.22	
100-41-4	Ethylbenzene	ND	0.19	
179601-23-1	m,p-Xylenes	ND	0.19	
95-47-6	o-Xylene	ND	0.19	

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-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-006

Test Code: EPA TO-15

Date Collected: 1/13/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/14/16

Analyst: Wida Ang

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00932

Initial Pressure (psig): -4.43 Final Pressure (psig): 1.03

Canister Dilution Factor: 1.53

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.048	
108-88-3	Toluene	0.21	0.20	
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.

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RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: SS-3H-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-007

Test Code: EPA TO-15

Date Collected: 1/13/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 1/14/16

Analyst: Simon Cao

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00929

Initial Pressure (psig): -4.09 Final Pressure (psig): 1.04

Canister Dilution Factor: 1.48

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.49	0.046	
108-88-3	Toluene	0.62	0.20	
100-41-4	Ethylbenzene	ND	0.17	
179601-23-1	m,p-Xylenes	0.25	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-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-008

Test Code: EPA TO-15

Date Collected: 1/13/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 1/14/16

Analyst: Simon Cao

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00970

Initial Pressure (psig): -3.82 Final Pressure (psig): 1.06

Canister Dilution Factor: 1.45

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	0.17	
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-2/5-B-011316

ALS Project ID: P1600169

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

ALS Sample ID: P1600169-009

Test Code: EPA TO-15

Date Collected: 1/13/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 1/14/16

Analyst: Simon Cao

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01000

Initial Pressure (psig): -3.56 Final Pressure (psig): 1.00

Canister Dilution Factor: 1.41

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.13	0.044	
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: Method Blank

ALS Project ID: P1600169

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

ALS Sample ID: P160114-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 1/14/16

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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Method Blank

ALS Project ID: P1600169

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

ALS Sample ID: P160114-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 1/14/16

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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Method Blank

ALS Project ID: P1600169

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

ALS Sample ID: P160114-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: 1/14/16

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: P1600169

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date(s) Collected: 1/13/16

Date(s) Received: 1/14/16

Date(s) Analyzed: 1/14 - 1/15/16

Analyst: Simon Cao/Evelyn Alvarez

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	P160114-MB	92	103	108	70-130	
Method Blank	P160114-MB	103	99	101	70-130	
Method Blank	P160114-MB	92	102	112	70-130	
Lab Control Sample	P160114-LCS	90	100	108	70-130	
Lab Control Sample	P160114-LCS	94	98	107	70-130	
Lab Control Sample	P160114-LCS	89	102	117	70-130	
AA-01-B-011316	P1600169-001	91	107	108	70-130	
AA-02-B-011316	P1600169-002	91	107	108	70-130	
AA-03-B-011316	P1600169-003	92	106	107	70-130	
AA-04-B-011316	P1600169-004	95	101	108	70-130	
AA-06-B-011316	P1600169-006	96	102	107	70-130	
SS-3H-B-011316	P1600169-007	94	98	110	70-130	
SF-1-B-011316	P1600169-008	92	98	109	70-130	
SF-2/5-B-011316	P1600169-009	95	99	110	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: P1600169

ALS Sample ID: P160114-LCS

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/14/16

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	52.7	74	61-110	
108-88-3	Toluene	57.9	46.1	80	67-117	
100-41-4	Ethylbenzene	50.2	42.0	84	69-123	
179601-23-1	m,p-Xylenes	98.6	82.2	83	67-125	
95-47-6	o-Xylene	48.4	41.0	85	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: P1600169

ALS Sample ID: P160114-LCS

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/14/16

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	57.4	81	61-110	
108-88-3	Toluene	57.9	46.1	80	67-117	
100-41-4	Ethylbenzene	50.2	41.6	83	69-123	
179601-23-1	m,p-Xylenes	98.6	82.4	84	67-125	
95-47-6	o-Xylene	48.4	39.6	82	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: P1600169

ALS Sample ID: P160114-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: 1/14/16

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	64.1	91	61-110	
108-88-3	Toluene	57.9	55.2	95	67-117	
100-41-4	Ethylbenzene	50.2	52.1	104	69-123	
179601-23-1	m,p-Xylenes	98.6	103	104	67-125	
95-47-6	o-Xylene	48.4	50.3	104	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.