2655 Park Center Dr., Suite A
Simi Valley, CA 93065
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www.alsglobal.com

LABORATORY REPORT

January 16, 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 15, 2016. For your reference, these analyses have been assigned our service request number P1600188.

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 Kelly Horiuchi at 3:00 pm, Jan 16, 2016

For Sue Anderson
Project Manager

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Client: Southern California Gas Company Service Request No: P1600188
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 15, 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.

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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	CA016272015-5
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 Service Request: P1600188

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

Date Received: 1/15/2016

Time Received: 09:20

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-A-011516	P1600188-001	Air	1/15/2016	06:01	AS00977	-3.16	1.03	X	X	X
AA-02-A-011516	P1600188-002	Air	1/15/2016	06:20	AS00933	-4.66	1.00	X	X	X
AA-03-A-011516	P1600188-003	Air	1/15/2016	06:31	AS00973	-2.17	1.15	X	X	X
AA-04-A-011516	P1600188-004	Air	1/15/2016	06:44	AS00941	-2.96	1.17	X	X	X
AA-05-A-011516	P1600188-005	Air	1/15/2016	06:51	AS00965	-3.30	1.13	X	X	X
AA-06-A-011516	P1600188-006	Air	1/15/2016	07:00	AS00906	-3.25	1.05	X	X	X
SS-3H-A-011516	P1600188-007	Air	1/15/2016	06:04	AS00922	-3.25	1.35	X	X	X
SF-1-A-011516	P1600188-008	Air	1/15/2016	06:21	AS00907	-2.85	1.02	X	X	X
SF-2/5-A-011516	P1600188-009	Air	1/15/2016	06:38	AS00987	-1.75	1.14	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. P1600188

Company Name & Address (Reporting Information)	AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805
Project Name	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION
Project Number	14424
Project Manager	SON BUI
P.O. # / Billing Information	
Phone	(714) 254-1945
Fax	(714) 956-2350
Email Address for Result Reporting	Please see Kelly Horiuchi for distribution list.
Sampler (Print & Sign)	
ALS Contact	Sue Anderson

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	Analysis Method: TO-3 modified for Methane	Analysis Method: ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	Analysis Method: TO-15 (BTEX)	Comment e.g. Actual Preservative or specific instructions
AA-01-A-011516	1	01/14/16	1800 - 0601	Silonite Canister	AS 00977	SFC 00132	28	6.2	X	X	X	
AA-02-A-011516	2	01/14/16	1816 - 0620	Silonite Canister	AS 00933	SFC 00088	29.5	10.3	X	X	X	
AA-03-A-011516	3	01/14/16	1833 - 0631	Silonite Canister	AS 00973	SFC 00083	27.5	4.1	X	X	X	
AA-04-A-011516	4	01/14/16	1848 - 0644	Silonite Canister	AS 00941	SFC 00093	27	6	X	X	X	
AA-05-A-011516	5	01/14/16	1859 - 0651	Silonite Canister	AS 00965	SFC 00047	27.2	6	X	X	X	
AA-06-A-011516	6	01/14/16	1906 - 0700	Silonite Canister	AS 00906	SFC 00014	28	8	X	X	X	
SS-3H-A-011516	7	01/14/16	1907 - 0604	Silonite Canister	AS 00922	SFC 00038	30	8.5	X	X	X	
SF-1-A-011516	8	01/14/16	1815 - 0621	Silonite Canister	AS 00907	SFC 00066	30	8	X	X	X	
SF-2/5-A-011516	9	01/14/16	1823 - 0638	Silonite Canister	AS 00987	SFC 00133	27.5	3.5	X	X	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) R. Sookhamony	Date: 01/15/16	Time: 0920	Received by: (Signature)	Date: 1/15/16	Time: 0920	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	

Air - Chain of Custody Record & Analytical Service Request

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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. P1600188

Company Name & Address (Reporting Information)	Project Name	ALS Contact: Sue Anderson
AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION	**Analysis Method**
Project Manager: SON BUI	Project Number: 14424	
Phone: (714) 254-1945 / Fax: (714) 956-2350	P.O. # / Billing Information	
Email Address for Result Reporting: Please see Kelly Horiuchi for distribution list.	Sampler (Print & Sign): WILL BRYANT	

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	TO-3 modified for Methane	ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	TO-15 (BTEX)	Comment e.g. Actual Preservative or specific instructions
AA-01-A-011516	1	~~01/14/16~~ 01/15/16	1800 - 0601	Silonite Canister	AS 00977	SFC 00132	28	6.2	X	X	X	
AA-02-A-011516	2	~~01/14/16~~ 01/15/16	1816 - 0620	Silonite Canister	AS 00933	SFC 00088	29.5	10.3	X	X	X	
AA-03-A-011516	3	~~01/14/16~~ 01/15/16	1833 - 0631	Silonite Canister	AS 00973	SFC 00083	27.5	4.1	X	X	X	
AA-04-A-011516	4	~~01/14/16~~ 01/15/16	1848 - 0644	Silonite Canister	AS 00941	SFC 00093	27	6	X	X	X	
AA-05-A-011516	5	~~01/14/16~~ 01/15/16	1859 - 0651	Silonite Canister	AS 00965	SFC 00047	27.2	6	X	X	X	
AA-06-A-011516	6	~~01/14/16~~ 01/15/16	1906 - 0700	Silonite Canister	AS 00906	SFC 00014	28	8	X	X	X	
SS-3H-A-011516	7	~~01/14/16~~ 01/15/16	1809 - 0604	Silonite Canister	AS 00922	SFC 00038	30	8.5	X	X	X	
SF-1-A-011516	8	~~01/14/16~~ 01/15/16	1815 - 0621	Silonite Canister	AS 00907	SFC 00066	30	8	X	X	X	
SF-2/5-A-011516	9	~~01/14/16~~ 01/15/16	1823 - 0638	Silonite Canister	AS 00987	SFC 00133	27.5	3.5	X	X	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)	Date:	Time:	Received by: (Signature)	Date:	Time:
R. Bookmanny	01/15/16	0920		1/15/16	0920
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

ALS Environmental
Sample Acceptance Check Form

Client: Southern California Gas Company Work order: P1600188

Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Sample(s) received on: 1/15/16 Date opened: 1/15/16 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?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600188-001.01	6.0 L Silonite Can					
P1600188-002.01	6.0 L Silonite Can					
P1600188-003.01	6.0 L Silonite Can					
P1600188-004.01	6.0 L Silonite Can					
P1600188-005.01	6.0 L Silonite Can					
P1600188-006.01	6.0 L Silonite Can					
P1600188-007.01	6.0 L Silonite Can					
P1600188-008.01	6.0 L Silonite Can					
P1600188-009.01	6.0 L Silonite Can					

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

Samples collected 1/14 to 1/15/15.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424**

Methane

Test Code: EPA TO-3 Modified
Instrument ID: HP5890 II/GC8/FID Date(s) Collected: 1/15/16
Analyst: Mike Conejo Date Received: 1/15/16
Sampling Media: 6.0 L Silonite Canister(s) Date Analyzed: 1/15/16
Test Notes:

Client Sample ID	ALS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	**Result ppmV**	MRL ppmV	Data Qualifier
AA-01-A-011516	P1600188-001	1.36	1.0	**5.8**	0.68	
AA-02-A-011516	P1600188-002	1.56	1.0	**4.0**	0.78	
AA-03-A-011516	P1600188-003	1.26	1.0	**3.7**	0.63	
AA-04-A-011516	P1600188-004	1.35	1.0	**3.9**	0.68	
AA-05-A-011516	P1600188-005	1.39	1.0	**6.0**	0.70	
AA-06-A-011516	P1600188-006	1.38	1.0	**3.5**	0.69	
SS-3H-A-011516	P1600188-007	1.40	1.0	**25**	0.70	
SF-1-A-011516	P1600188-008	1.33	1.0	**20**	0.67	
SF-2/5-A-011516	P1600188-009	1.22	1.0	**5.0**	0.61	
Method Blank	P160115-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

Client: **Southern California Gas Company**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-LCS

Test Code: EPA TO-3 Modified Date Collected: NA
Instrument ID: HP5890 II/GC8/FID Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/15/16
Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: NA ml(s)
Test Notes:

Compound	Spike Amount ppmV	**Result ppmV**	**% Recovery**	ALS Acceptance Limits	Data Qualifier
Methane	1,020	**1,020**	**100**	83-107	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **AA-01-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-001

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	06:01
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	10:31
Container ID:	AS00977	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -3.16 Final Pressure (psig): 1.03

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

Client: **Southern California Gas Company**
Client Sample ID: **AA-02-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-002

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	06:20
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	10:39
Container ID:	AS00933	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -4.66 Final Pressure (psig): 1.00

Canister Dilution Factor: 1.56

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.
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

Client: **Southern California Gas Company**
Client Sample ID: **AA-03-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-003

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	06:31
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	10:45
Container ID:	AS00973	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -2.17 Final Pressure (psig): 1.15

Canister Dilution Factor: 1.26

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.3	
463-58-1	Carbonyl Sulfide	ND	6.3	
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

Client: **Southern California Gas Company**
Client Sample ID: **AA-04-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-004

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	06:44
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	10:51
Container ID:	AS00941	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -2.96 Final Pressure (psig): 1.17

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

Client: **Southern California Gas Company**
Client Sample ID: **AA-05-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-005

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	06:51
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	10:57
Container ID:	AS00965	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -3.30 Final Pressure (psig): 1.13

Canister Dilution Factor: 1.39

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	
463-58-1	Carbonyl Sulfide	ND	7.0	
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

Client: **Southern California Gas Company**
Client Sample ID: **AA-06-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-006

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	07:00
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	11:02
Container ID:	AS00906	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -3.25 Final Pressure (psig): 1.05

Canister Dilution Factor: 1.38

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.9	
463-58-1	Carbonyl Sulfide	ND	6.9	
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

Client: **Southern California Gas Company**
Client Sample ID: **SS-3H-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-007

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	06:04
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	11:09
Container ID:	AS00922	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -3.25 Final Pressure (psig): 1.35

Canister Dilution Factor: 1.40

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	
463-58-1	Carbonyl Sulfide	ND	7.0	
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

Client: **Southern California Gas Company**
Client Sample ID: **SF-1-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-008

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	06:21
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	11:13
Container ID:	AS00907	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -2.85 Final Pressure (psig): 1.02

Canister Dilution Factor: 1.33

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	3.3	
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

Client: **Southern California Gas Company**
Client Sample ID: **SF-2/5-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-009

Test Code:	ASTM D 5504-12	Date Collected:	1/15/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	06:38
Analyst:	Mike Conejo	Date Received:	1/15/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	11:20
Container ID:	AS00987	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -1.75 Final Pressure (psig): 1.14

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	

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

Client: **Southern California Gas Company**
Client Sample ID: **Method Blank** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-MB

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 6890A/GC13/SCD Time Collected: NA
Analyst: Mike Conejo Date Received: NA
Sample Type: 6.0 L Silonite Canister Date Analyzed: 1/15/16
Test Notes: Time Analyzed: 07:01
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

Client: **Southern California Gas Company**
Client Sample ID: **Method Blank** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-MB

Test Code:	ASTM D 5504-12	Date Collected:	NA
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	NA
Analyst:	Mike Conejo	Date Received:	NA
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/15/16
Test Notes:		Time Analyzed:	06:52
		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

Client: **Southern California Gas Company**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-LCS

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 6890A/GC13/SCD Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: NA ml(s)
Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	2,000	**2,470**	**124**	65-138	
463-58-1	Carbonyl Sulfide	2,000	**2,380**	**119**	60-135	
74-93-1	Methyl Mercaptan	2,000	**2,370**	**119**	57-140	

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Southern California Gas Company**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-LCS

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 7890A/GC22/SCD Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: NA ml(s)
Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	1,000	**884**	**88**	65-138	
463-58-1	Carbonyl Sulfide	1,000	**823**	**82**	60-135	
74-93-1	Methyl Mercaptan	1,000	**834**	**83**	57-140	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **AA-01-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-001

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00977

Initial Pressure (psig): -3.16 Final Pressure (psig): 1.03

Canister Dilution Factor: 1.36

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.25**	0.043	
108-88-3	Toluene	**0.33**	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

Client:	**Southern California Gas Company**		
Client Sample ID:	**AA-02-A-011516**	ALS Project ID:	P1600188
Client Project ID:	**SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424**	ALS Sample ID:	P1600188-002
Test Code:	EPA TO-15	Date Collected:	1/15/16
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	1/15/16
Analyst:	Wida Ang	Date Analyzed:	1/15/16
Sample Type:	6.0 L Silonite Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	AS00933		

Initial Pressure (psig): -4.66 Final Pressure (psig): 1.00

Canister Dilution Factor: 1.56

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.25**	0.049	
108-88-3	Toluene	**0.30**	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

Client: **Southern California Gas Company**
Client Sample ID: **AA-03-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-003

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00973

Initial Pressure (psig): -2.17 Final Pressure (psig): 1.15

Canister Dilution Factor: 1.26

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.21**	0.039	
108-88-3	Toluene	**0.32**	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

Client: **Southern California Gas Company**
Client Sample ID: **AA-04-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-004

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00941

Initial Pressure (psig): -2.96 Final Pressure (psig): 1.17

Canister Dilution Factor: 1.35

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.24**	0.042	
108-88-3	Toluene	**0.37**	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	**0.16**	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

Client: **Southern California Gas Company**
Client Sample ID: **AA-05-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-005

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00965

Initial Pressure (psig): -3.30 Final Pressure (psig): 1.13

Canister Dilution Factor: 1.39

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.28**	0.044	
108-88-3	Toluene	**0.44**	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	**0.19**	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

Client: **Southern California Gas Company**
Client Sample ID: **AA-06-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-006

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00906

Initial Pressure (psig): -3.25 Final Pressure (psig): 1.05

Canister Dilution Factor: 1.38

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.22**	0.043	
108-88-3	Toluene	**0.37**	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	**0.16**	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

Client: **Southern California Gas Company**
Client Sample ID: **SS-3H-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-007

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00922

Initial Pressure (psig): -3.25 Final Pressure (psig): 1.35

Canister Dilution Factor: 1.40

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.26**	0.044	
108-88-3	Toluene	**0.41**	0.19	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	**0.17**	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

Client: **Southern California Gas Company**
Client Sample ID: **SF-1-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-008

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00907

Initial Pressure (psig): -2.85 Final Pressure (psig): 1.02

Canister Dilution Factor: 1.33

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.45**	0.042	
108-88-3	Toluene	**0.55**	0.18	
100-41-4	Ethylbenzene	ND	0.15	
179601-23-1	m,p-Xylenes	**0.22**	0.15	
95-47-6	o-Xylene	ND	0.15	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **SF-2/5-A-011516** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600188-009

Test Code: EPA TO-15 Date Collected: 1/15/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/15/16
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00987

Initial Pressure (psig): -1.75 Final Pressure (psig): 1.14

Canister Dilution Factor: 1.22

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.23**	0.038	
108-88-3	Toluene	**0.31**	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	ND	0.14	
95-47-6	o-Xylene	ND	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **Method Blank** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/15/16
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

Client: **Southern California Gas Company**
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Project ID: P1600188

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date(s) Collected: 1/15/16
Analyst: Wida Ang Date(s) Received: 1/15/16
Sample Type: 6.0 L Silonite Canister(s) Date(s) Analyzed: 1/15/16
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P160115-MB	**91**	**104**	**106**	70-130	
Lab Control Sample	P160115-LCS	**88**	**101**	**107**	70-130	
AA-01-A-011516	P1600188-001	**89**	**102**	**111**	70-130	
AA-02-A-011516	P1600188-002	**88**	**101**	**110**	70-130	
AA-03-A-011516	P1600188-003	**88**	**101**	**110**	70-130	
AA-04-A-011516	P1600188-004	**89**	**101**	**111**	70-130	
AA-05-A-011516	P1600188-005	**89**	**100**	**111**	70-130	
AA-06-A-011516	P1600188-006	**90**	**102**	**111**	70-130	
SS-3H-A-011516	P1600188-007	**90**	**102**	**112**	70-130	
SF-1-A-011516	P1600188-008	**91**	**101**	**112**	70-130	
SF-2/5-A-011516	P1600188-009	**91**	**101**	**111**	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

Client: **Southern California Gas Company**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1600188
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160115-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/15/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS Acceptance Limits	Data Qualifier
71-43-2	Benzene	70.8	**56.5**	**80**	61-110	
108-88-3	Toluene	57.9	**49.7**	**86**	67-117	
100-41-4	Ethylbenzene	50.2	**45.3**	**90**	69-123	
179601-23-1	m,p-Xylenes	98.6	**88.7**	**90**	67-125	
95-47-6	o-Xylene	48.4	**44.2**	**91**	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.