2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

January 25, 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 24, 2016. For your reference, these analyses have been assigned our service request number P1600341.

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 1:38 pm, Jan 25, 2016

Sue Anderson
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: Southern California Gas Company Service Request No: P1600341
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 24, 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.

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

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: P1600341

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

Date Received: 1/24/2016

Time Received: 09:00

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-012316	P1600341-001	Air	1/23/2016	18:06	AS00918	-2.89	1.04	X	X	X
AA-02-B-012316	P1600341-002	Air	1/23/2016	18:21	AS00913	-2.39	1.13	X	X	X
AA-03-B-012316	P1600341-003	Air	1/23/2016	18:32	AS00938	-1.60	1.09	X	X	X
AA-04-B-012316	P1600341-004	Air	1/23/2016	18:49	AS00978	-1.76	1.02	X	X	X
AA-05-B-012316	P1600341-005	Air	1/23/2016	18:12	AS00794	-2.41	1.07	X	X	X
AA-06-B-012316	P1600341-006	Air	1/23/2016	17:58	AS00966	-2.83	1.02	X	X	X
SS-3H-B-012316	P1600341-007	Air	1/23/2016	18:36	AS00990	-0.80	1.10	X	X	X
SF-1-B-012316	P1600341-008	Air	1/23/2016	18:47	AS00970	-2.36	1.01	X	X	X
SF-2/5-B-012316	P1600341-009	Air	1/23/2016	18:59	AS01000	-2.76	1.01	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: P1600341

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): Jesus Lopez

ALS Contact: Sue Anderson

Client Sample ID	Laboratory ID Number	Collection Date	Collection Time	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-B-012316	1	Start: 01/23/16 End: 01/23/16	0640 - 1806	Silonite Canister	AS 00918	SFC 00059	30	7.1	X	X	X	
AA-02-B-012316	2	Start: 01/23/16 End: 01/23/16	0631 - 1821	Silonite Canister	AS 00913	SFC 00094	30+	7	X	X	X	
AA-03-B-012316	3	Start: 01/23/16 End: 01/23/16	0624 - 1832	Silonite Canister	AS 00938	SFC 00164	28	4.5	X	X	X	
AA-04-B-012316	4	Start: 01/23/16 End: 01/23/16	0613 - 1849	Silonite Canister	AS 00978	SFC 00146	29	4	X	X	X	
AA-05-B-012316	5	Start: 01/23/16 End: 01/23/16	0604 - 1812	Silonite Canister	AS 00794	SFC 00084	29	5	X	X	X	
AA-06-B-012316	6	Start: 01/23/16 End: 01/23/16	0600 - 1758	Silonite Canister	AS 00966	SFC 00114	28.8	6	X	X	X	
SS-3H-B-012316	7	Start: 01/23/16 End: 01/23/16	0603 - 1836	Silonite Canister	AS 00990	SFC 00024	26	0	X	X	X	
SF-1-B-012316	8	Start: 01/23/16 End: 01/23/16	0613 - 1847	Silonite Canister	AS 00970	SFC 00077	27	4	X	X	X	
SF-2/5-B-012316	9	Start: 01/23/16 End: 01/23/16	0623 - 1859	Silonite Canister	AS 01000	SFC 00145	27.3	5.5	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) __
Tier IV (Data Validation Package) 10% Surcharge

EDD required (Yes) / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	1-24-16	0900		1/24/16	0900
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

ALS Environmental
Sample Acceptance Check Form

Client: Southern California Gas Company Work order: P1600341

Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Sample(s) received on: 1/24/16 Date opened: 1/24/16 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?	☒	☐	☐
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
P1600341-001.01	6.0 L Silonite Can					
P1600341-002.01	6.0 L Silonite Can					
P1600341-003.01	6.0 L Silonite Can					
P1600341-004.01	6.0 L Silonite Can					
P1600341-005.01	6.0 L Silonite Can					
P1600341-006.01	6.0 L Silonite Can					
P1600341-007.01	6.0 L Silonite Can					
P1600341-008.01	6.0 L Silonite Can					
P1600341-009.01	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

Client: **Southern California Gas Company**

Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Project ID: P1600341

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: 1/23/16
Date Received: 1/24/16
Date Analyzed: 1/24/16

Client Sample ID	ALS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
AA-01-B-012316	P1600341-001	1.33	1.0	**3.1**	0.67	
AA-02-B-012316	P1600341-002	1.29	1.0	**3.3**	0.65	
AA-03-B-012316	P1600341-003	1.21	1.0	**4.6**	0.61	
AA-04-B-012316	P1600341-004	1.21	1.0	**4.8**	0.61	
AA-05-B-012316	P1600341-005	1.28	1.0	**3.7**	0.64	
AA-06-B-012316	P1600341-006	1.32	1.0	**3.5**	0.66	
SS-3H-B-012316	P1600341-007	1.14	1.0	**41**	0.57	
SF-1-B-012316	P1600341-008	1.27	1.0	**3.3**	0.64	
SF-2/5-B-012316	P1600341-009	1.32	1.0	**5.1**	0.66	
Method Blank	P160124-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: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-LCS

Test Code: EPA TO-3 Modified Date Collected: NA
Instrument ID: HP5890 II/GC8/FID Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/24/16
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	**1,050**	**103**	83-107	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **AA-01-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-001

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	18:06
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	10:31
Container ID:	AS00918	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -2.89 Final Pressure (psig): 1.04

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: **AA-02-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-002

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	18:21
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	10:42
Container ID:	AS00913	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -2.39 Final Pressure (psig): 1.13

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

Client: **Southern California Gas Company**
Client Sample ID: **AA-03-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-003

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	18:32
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	10:41
Container ID:	AS00938	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -1.60 Final Pressure (psig): 1.09

Canister Dilution Factor: 1.21

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	3.0	
75-08-1	Ethyl Mercaptan	ND	3.0	
75-18-3	Dimethyl Sulfide	ND	3.0	
75-15-0	Carbon Disulfide	ND	3.0	
75-33-2	Isopropyl Mercaptan	ND	3.0	
75-66-1	tert-Butyl Mercaptan	ND	3.0	
107-03-9	n-Propyl Mercaptan	ND	3.0	
110-01-0	Tetrahydrothiophene	ND	3.0	

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **AA-04-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-004

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	18:49
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	10:53
Container ID:	AS00978	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -1.76 Final Pressure (psig): 1.02

Canister Dilution Factor: 1.21

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	3.0	
75-08-1	Ethyl Mercaptan	ND	3.0	
75-18-3	Dimethyl Sulfide	ND	3.0	
75-15-0	Carbon Disulfide	ND	3.0	
75-33-2	Isopropyl Mercaptan	ND	3.0	
75-66-1	tert-Butyl Mercaptan	ND	3.0	
107-03-9	n-Propyl Mercaptan	ND	3.0	
110-01-0	Tetrahydrothiophene	ND	3.0	

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **AA-05-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-005

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	18:12
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	10:53
Container ID:	AS00794	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -2.41 Final Pressure (psig): 1.07

Canister Dilution Factor: 1.28

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.4	
463-58-1	Carbonyl Sulfide	ND	6.4	
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-06-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-006

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	17:58
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	11:05
Container ID:	AS00966	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -2.83 Final Pressure (psig): 1.02

Canister Dilution Factor: 1.32

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.6	
463-58-1	Carbonyl Sulfide	ND	6.6	
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: **SS-3H-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-007

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	18:36
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	11:04
Container ID:	AS00990	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -0.80 Final Pressure (psig): 1.10

Canister Dilution Factor: 1.14

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.7	
463-58-1	Carbonyl Sulfide	ND	5.7	
74-93-1	Methyl Mercaptan	ND	2.9	
75-08-1	Ethyl Mercaptan	ND	2.9	
75-18-3	Dimethyl Sulfide	ND	2.9	
75-15-0	Carbon Disulfide	ND	2.9	
75-33-2	Isopropyl Mercaptan	ND	2.9	
75-66-1	tert-Butyl Mercaptan	ND	2.9	
107-03-9	n-Propyl Mercaptan	ND	2.9	
110-01-0	Tetrahydrothiophene	ND	2.9	

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: **SF-1-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-008

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected:	18:47
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	11:16
Container ID:	AS00970	Volume(s) Analyzed:	2.0 ml(s)

Initial Pressure (psig): -2.36 Final Pressure (psig): 1.01

Canister Dilution Factor: 1.27

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.4	
463-58-1	Carbonyl Sulfide	ND	6.4	
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: **SF-2/5-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-009

Test Code:	ASTM D 5504-12	Date Collected:	1/23/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected:	18:59
Analyst:	Mike Conejo	Date Received:	1/24/16
Sample Type:	6.0 L Silonite Canister	Date Analyzed:	1/24/16
Test Notes:		Time Analyzed:	11:16
Container ID:	AS01000	Volume(s) Analyzed:	1.0 ml(s)

Initial Pressure (psig): -2.76 Final Pressure (psig): 1.01

Canister Dilution Factor: 1.32

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	6.6	
463-58-1	Carbonyl Sulfide	ND	6.6	
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: **Method Blank** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-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: 1/24/16
Test Notes: Time Analyzed: 09:06
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: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-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: 1/24/16
Test Notes: Time Analyzed: 08:52
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: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-LCS

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 6890A/GC13/SCD Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/24/16
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	**2,030**	**102**	65-138	
463-58-1	Carbonyl Sulfide	2,000	**1,960**	**98**	60-135	
74-93-1	Methyl Mercaptan	2,000	**1,990**	**100**	57-140	

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Southern California Gas Company**
Client Sample ID: **Lab Control Sample** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-LCS

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 7890A/GC22/SCD Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/24/16
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	**1,220**	**122**	65-138	
463-58-1	Carbonyl Sulfide	1,000	**1,130**	**113**	60-135	
74-93-1	Methyl Mercaptan	1,000	**1,140**	**114**	57-140	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **AA-01-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-001

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00918

Initial Pressure (psig): -2.89 Final Pressure (psig): 1.04

Canister Dilution Factor: 1.33

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.11**	0.042	
108-88-3	Toluene	ND	0.18	
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-02-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-002

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00913

Initial Pressure (psig): -2.39 Final Pressure (psig): 1.13

Canister Dilution Factor: 1.29

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.13**	0.040	
108-88-3	Toluene	**0.20**	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-03-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-003

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00938

Initial Pressure (psig): -1.60 Final Pressure (psig): 1.09

Canister Dilution Factor: 1.21

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.18**	0.038	
108-88-3	Toluene	**0.45**	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	**0.19**	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: **AA-04-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-004

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00978

Initial Pressure (psig): -1.76 Final Pressure (psig): 1.02

Canister Dilution Factor: 1.21

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.14**	0.038	
108-88-3	Toluene	**0.22**	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: **AA-05-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-005

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00794

Initial Pressure (psig): -2.41 Final Pressure (psig): 1.07

Canister Dilution Factor: 1.28

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.18**	0.040	
108-88-3	Toluene	**0.24**	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-06-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-006

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00966

Initial Pressure (psig): -2.83 Final Pressure (psig): 1.02

Canister Dilution Factor: 1.32

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.15**	0.041	
108-88-3	Toluene	**0.28**	0.18	
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: **SS-3H-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-007

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00990

Initial Pressure (psig): -0.80 Final Pressure (psig): 1.10

Canister Dilution Factor: 1.14

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.50**	0.036	
108-88-3	Toluene	**0.85**	0.15	
100-41-4	Ethylbenzene	ND	0.13	
179601-23-1	m,p-Xylenes	**0.34**	0.13	
95-47-6	o-Xylene	ND	0.13	

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **SF-1-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-008

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00970

Initial Pressure (psig): -2.36 Final Pressure (psig): 1.01

Canister Dilution Factor: 1.27

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.099**	0.040	
108-88-3	Toluene	ND	0.17	
100-41-4	Ethylbenzene	ND	0.15	
179601-23-1	m,p-Xylenes	ND	0.15	
95-47-6	o-Xylene	ND	0.15	

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Southern California Gas Company**
Client Sample ID: **SF-2/5-B-012316** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P1600341-009

Test Code: EPA TO-15 Date Collected: 1/23/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/24/16
Analyst: Wida Ang Date Analyzed: 1/24/16
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01000

Initial Pressure (psig): -2.76 Final Pressure (psig): 1.01

Canister Dilution Factor: 1.32

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	**0.12**	0.041	
108-88-3	Toluene	ND	0.18	
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: **Method Blank** ALS Project ID: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-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: 1/24/16
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: P1600341

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date(s) Collected: 1/23/16
Analyst: Simon Cao Date(s) Received: 1/24/16
Sample Type: 6.0 L Silonite Canister(s) Date(s) Analyzed: 1/24/16
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	P160124-MB	**77**	**111**	**103**	70-130	
Lab Control Sample	P160124-LCS	**75**	**108**	**103**	70-130	
AA-01-B-012316	P1600341-001	**76**	**108**	**107**	70-130	
AA-02-B-012316	P1600341-002	**76**	**107**	**105**	70-130	
AA-03-B-012316	P1600341-003	**77**	**108**	**105**	70-130	
AA-04-B-012316	P1600341-004	**77**	**107**	**106**	70-130	
AA-05-B-012316	P1600341-005	**78**	**107**	**105**	70-130	
AA-06-B-012316	P1600341-006	**78**	**107**	**105**	70-130	
SS-3H-B-012316	P1600341-007	**78**	**108**	**105**	70-130	
SF-1-B-012316	P1600341-008	**78**	**107**	**105**	70-130	
SF-2/5-B-012316	P1600341-009	**78**	**107**	**105**	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: P1600341
Client Project ID: **SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424** ALS Sample ID: P160124-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Simon Cao Date Analyzed: 1/24/16
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	**59.6**	**84**	61-110	
108-88-3	Toluene	57.9	**56.3**	**97**	67-117	
100-41-4	Ethylbenzene	50.2	**50.5**	**101**	69-123	
179601-23-1	m,p-Xylenes	98.6	**97.9**	**99**	67-125	
95-47-6	o-Xylene	48.4	**49.0**	**101**	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.