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LABORATORY REPORT

January 19, 2016

Glenn La Fevers
Southern California Gas Company
12801 Tampa Ave
Northridge, CA 91326-1045

RE: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Dear Glenn:

Enclosed are the results of the samples submitted to our laboratory on January 18, 2016. For your reference, these analyses have been assigned our service request number P1600219.

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 3:15 pm, Jan 19, 2016

Sue Anderson
Project Manager



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Client: Southern California Gas Company Service Request No: P1600219
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 18, 2016 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

The canister for sample Castlebay Elementary School (P1600219-009) was found to be leaking during the pressurization step. The can was analyzed as soon as pressurization completed. Any data for this canister should be considered estimated due to the anomaly. Because of the canister malfunction the Zefon bag sample was also analyzed for Methane and Volatile Organic Compounds per client request.

Methane Analysis

The Silonite canister 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 Zefon bag samples were 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 Silonite canister samples were also analyzed for selected volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. According to the method, the use of Tedlar bags is considered a method modification. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlab.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: P1600219

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

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)						
								TO-3 Modified - ClC6+ Can	TO-15 - VOC Cans	ASTM D 5504-12 - Sulfur Bag	TO-3 Modified - ClC6+ Bag	TO-15 Modified - VOC Bags	
Mason/Corbin	P1600219-001	Air	1/18/2016	02:05	AS00996	-3.03	1.12	X	X	X			
Porter Ranch Community School	P1600219-002	Air	1/18/2016	02:24	AS00960	-1.76	1.02	X	X	X			
Galileo/Donatello	P1600219-003	Air	1/18/2016	02:43	AS00933	-1.94	1.05	X	X	X			
Porter Ranch Estates	P1600219-004	Air	1/18/2016	03:03	AS00965	-3.04	1.06	X	X	X			
Highlands 1	P1600219-005	Air	1/18/2016	03:24	AS00907	-3.04	1.10	X	X	X			
Highlands 3	P1600219-006	Air	1/18/2016	03:42	AS00911	-2.24	1.22	X	X	X			
Porter Ranch Estates 3	P1600219-007	Air	1/18/2016	04:04	AS00977	-1.66	1.71	X	X	X			
Highlands 2	P1600219-008	Air	1/18/2016	04:22	AS00972	-1.78	1.17	X	X	X			
Castlebay Elementary School	P1600219-009	Air	1/18/2016	04:41	AS00955	-1.63	1.12	X	X	X	X	X	
Starter Set Preschool	P1600219-010	Air	1/18/2016	04:59	AS00980	-1.51	1.19	X	X	X			
Porter Ridge Park	P1600219-011	Air	1/18/2016	05:18	AS00936	-2.25	1.27	X	X	X			



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Air - Chain of Custody Record & Analytical Service Request

Company Name & Address (Reporting Information) AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805 Project Manager SON BUJ		Project Name SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION Project Number 14424 P.O. # / Billing Information		Requested Turnaround Time In Business Days (Surcharges) please circle 1 Day (100%) <u>2</u> Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard		ALS Project No. <u>PA600219</u>	
ALS Contact: Sue Anderson		Analysis Method 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			
Sampler (Print & Sign) <u>Jorge Gonzalez</u>		Flow Controller ID (Bar code # - FC #) <u>AV603616</u>		Canister Start Pressure "Hg" <u>28</u>		Canister End Pressure "Hg/psig" <u>6</u>	
Client Sample ID Mason/Corbin		Collection Vessel Silonite Can.		Canister ID (Bar code # - AC, SC, etc.) <u>AS00996</u>		Canister Start Pressure "Hg" NA	
Time Collected <u>0155</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>1</u>		Time Collected <u>0205</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" NA	
Client Sample ID Porter Ranch Community School		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00960</u>		Canister Start Pressure "Hg" <u>26</u>	
Time Collected <u>0214</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>2</u>		Time Collected <u>0224</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" <u>3</u>	
Client Sample ID Galileo/Donatello		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00933</u>		Canister Start Pressure "Hg" <u>26</u>	
Time Collected <u>0233</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>3</u>		Time Collected <u>0243</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" <u>4</u>	
Client Sample ID Porter Ranch Estates		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00965</u>		Canister Start Pressure "Hg" <u>28</u>	
Time Collected <u>0303</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>4</u>		Time Collected <u>0314</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" <u>6</u>	
Client Sample ID Highlands 1		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00907</u>		Canister Start Pressure "Hg" <u>26</u>	
Time Collected <u>0324</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>5</u>		Time Collected <u>0332</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" <u>5</u>	
Client Sample ID Highlands 3		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00911</u>		Canister Start Pressure "Hg" <u>26</u>	
Time Collected <u>0342</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>6</u>		Time Collected <u>0354</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" <u>3</u>	
Client Sample ID Porter Ranch Estates 3		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00977</u>		Canister Start Pressure "Hg" <u>27</u>	
Time Collected <u>0404</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	
Laboratory ID Number <u>7</u>		Time Collected <u>0404</u>		Canister Start Pressure "Hg" NA		Canister End Pressure "Hg/psig" <u>4</u>	
Client Sample ID Porter Ranch Estates 3		Date Collected 01/18/16		Canister ID (Bar code # - AC, SC, etc.) <u>AS00977</u>		Canister Start Pressure "Hg" <u>27</u>	
Time Collected <u>0404</u>		Date Collected 01/18/16		Canister End Pressure "Hg/psig" NA		Analysis Method TO ₃ modified for Methane	

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 - Type: _____ Units: _____

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

Relinquished by: (Signature) [Signature]

Date: 1-18-16

Time: 9:05

Received by: (Signature) [Signature]

Date: 1/19/16

Time: 0905

Relinquished by: (Signature) [Signature]

Date: _____

Time: _____

Received by: (Signature) _____

Date: _____

Time: _____



Air - Chain of Custody Record & Analytical Service Request

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Company Name & Address (Reporting Information) AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805 Project Manager SON BUJ Phone (714) 254-1945 Fax (714) 956-2350		Project Name SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION Project Number 14424 P.O. # / Billing Information		Requested Turnaround Time in Business Days (Surcharges) please circle <input checked="" type="radio"/> 1 Day (100%) <input type="radio"/> 2 Day (75%) <input type="radio"/> 3 Day (50%) <input type="radio"/> 4 Day (35%) <input type="radio"/> 5 Day (25%) <input type="radio"/> 10 Day-Standard		ALS Project No. 21600219			
ALS Contact: Sue Anderson									
Analysis Method									
ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)									
TO-15 modified for Methane									
TO-15 (BTEX)									
Comment e.g. Actual Preservative or specific instructions									

Sampler (Print & Sign)									
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	Canister
Highlands 2	(8)	01/18/16	0412	Silonite Can.	A500972	AV603930	27	5	X
			0422	Tedlar Bag	NA	NA	NA	NA	X
Castlebay Elementary School	(9)	01/18/16	0431	Silonite Can.	A500955	AV604191	26	4	X
			0441	Tedlar Bag	NA	NA	NA	NA	X
Starter Set Preschool	(10)	01/18/16	0449	Silonite Can.	A500980	AV603721	26	3	X
			0459	Tedlar Bag	NA	NA	NA	NA	X
Porter Ridge Park	(11)	01/18/16	0508	Silonite Can.	A500936	AV604438	26	3	X
			0518	Tedlar Bag	NA	NA	NA	NA	X

Please see Kelly Honuchi for distribution list.

Judy Gonzalez

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____ Tier III (Results + QC & Calibration Summaries) _____ EDD required Yes / No

Tier II (Results + QC Summaries) Tier IV (Data Validation Package) 10% Surcharge _ Type: _____ Units: _____

Relinquished by: (Signature)	Received by: (Signature)	Date: 1-18-16	Time: 905	Chain of Custody Seal: (Circle)	INTACT	BROKEN	ABSENT
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/16/16	Time: 0905				

**ALS Environmental
Sample Acceptance Check Form**

Client: Southern California Gas Company Work order: P1600219
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
 Sample(s) received on: 1/18/16 Date opened: 1/18/16 by: SANDERSON

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|--------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600219-001.01	6.0 L Silonite Can					
P1600219-001.02	1 L Zefon Bag					
P1600219-002.01	6.0 L Silonite Can					
P1600219-002.02	1 L Zefon Bag					
P1600219-003.01	6.0 L Silonite Can					
P1600219-003.02	1 L Zefon Bag					
P1600219-004.01	6.0 L Silonite Can					
P1600219-004.02	1 L Zefon Bag					
P1600219-005.01	6.0 L Silonite Can					
P1600219-005.02	1 L Zefon Bag					
P1600219-006.01	6.0 L Silonite Can					
P1600219-006.02	1 L Zefon Bag					
P1600219-007.01	6.0 L Silonite Can					
P1600219-007.02	1 L Zefon Bag					
P1600219-008.01	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

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Client: Southern California Gas Company

ALS Project ID: P1600219

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

Methane

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

Date(s) Collected: 1/18/16
 Date Received: 1/18/16
 Date Analyzed: 1/18/16

Client Sample ID	ALS Sample ID	Canister Dilution Factor	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
Mason/Corbin	P1600219-001	1.36	1.0	4.7	0.68	
Porter Ranch Community School	P1600219-002	1.21	1.0	3.7	0.61	
Galileo/Donatello	P1600219-003	1.23	1.0	3.3	0.62	
Porter Ranch Estates	P1600219-004	1.35	1.0	3.5	0.68	
Highlands 1	P1600219-005	1.36	1.0	3.6	0.68	
Highlands 3	P1600219-006	1.28	1.0	3.8	0.64	
Porter Ranch Estates 3	P1600219-007	1.26	1.0	3.5	0.63	
Highlands 2	P1600219-008	1.23	1.0	4.6	0.62	
Castlebay Elementary School	P1600219-009	1.21	1.0	4.0	0.61	!
Starter Set Preschool	P1600219-010	1.20	1.0	3.6	0.60	
Porter Ridge Park	P1600219-011	1.28	1.0	4.0	0.64	
Method Blank	P160118-MB	1.00	1.0	ND	0.50	

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

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

! = See case narrative.

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: P1600219

ALS Sample ID: P160118-LCS

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Mike Conejo

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/18/16

Volume(s) Analyzed: NA ml(s)

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

ALS Project ID: P1600219

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

Methane

Test Code: EPA TO-3 Modified
Instrument ID: HP5890 II/GC8/FID
Analyst: Mike Conejo
Sampling Media: 1 L Zefon Bag(s)
Test Notes:

Date(s) Collected: 1/18/16
Date Received: 1/18/16
Date Analyzed: 1/18/16

Client Sample ID	ALS Sample ID	Injection Volume ml(s)	Result ppmV	MRL ppmV	Data Qualifier
Castlebay Elementary School	P1600219-009	1.0	3.7	0.50	
Method Blank	P160118-MB	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: P1600219

ALS Sample ID: P160118-LCS

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Mike Conejo

Sampling Media: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/18/16

Volume(s) Analyzed: NA ml(s)

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Mason/Corbin

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

ALS Project ID: P1600219

ALS Sample ID: P1600219-001

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/18/16

Time Collected: 02:05

Date Received: 1/18/16

Date Analyzed: 1/18/16

Time Analyzed: 09:30

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

Page 1 of 1

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

ALS Project ID: P1600219
 ALS Sample ID: P1600219-002

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 1 L Zefon Bag
 Test Notes:

Date Collected: 1/18/16
 Time Collected: 02:24
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 09:31
 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

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

ALS Project ID: P1600219
 ALS Sample ID: P1600219-003

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

Date Collected: 1/18/16
 Time Collected: 02:43
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 09:42
 Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	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: Porter Ranch Estates
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600219
 ALS Sample ID: P1600219-004

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 1 L Zefon Bag
 Test Notes:

Date Collected: 1/18/16
 Time Collected: 03:03
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 09:42
 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.

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Client: Southern California Gas Company
Client Sample ID: Highlands 1
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600219
 ALS Sample ID: P1600219-005

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

Date Collected: 1/18/16
 Time Collected: 03:24
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 09:52
 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

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Client: Southern California Gas Company

Client Sample ID: Highlands 3

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

ALS Project ID: P1600219

ALS Sample ID: P1600219-006

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/18/16

Time Collected: 03:42

Date Received: 1/18/16

Date Analyzed: 1/18/16

Time Analyzed: 09:53

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

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Client: Southern California Gas Company
Client Sample ID: Porter Ranch Estates 3
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1600219
 ALS Sample ID: P1600219-007

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

Date Collected: 1/18/16
 Time Collected: 04:04
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:03
 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.

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Client: Southern California Gas Company

Client Sample ID: Highlands 2

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

ALS Project ID: P1600219

ALS Sample ID: P1600219-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/18/16

Time Collected: 04:22

Date Received: 1/18/16

Date Analyzed: 1/18/16

Time Analyzed: 10:04

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

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Client: Southern California Gas Company

Client Sample ID: Castlebay Elementary School

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

ALS Project ID: P1600219

ALS Sample ID: P1600219-009

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/18/16

Time Collected: 04:41

Date Received: 1/18/16

Date Analyzed: 1/18/16

Time Analyzed: 10:14

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

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Client: Southern California Gas Company

Client Sample ID: Starter Set Preschool

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

ALS Project ID: P1600219

ALS Sample ID: P1600219-010

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/18/16

Time Collected: 04:59

Date Received: 1/18/16

Date Analyzed: 1/18/16

Time Analyzed: 10:15

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

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

ALS Project ID: P1600219
 ALS Sample ID: P1600219-011

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

Date Collected: 1/18/16
 Time Collected: 05:18
 Date Received: 1/18/16
 Date Analyzed: 1/18/16
 Time Analyzed: 10:26
 Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	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.

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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: P1600219

ALS Sample ID: P160118-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 6890A/GC13/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Time Collected: NA

Date Received: NA

Date Analyzed: 1/18/16

Time Analyzed: 08:21

Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

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

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

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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: P1600219
 ALS Sample ID: P160118-MB

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

Date Collected: NA
 Time Collected: NA
 Date Received: NA
 Date Analyzed: 1/18/16
 Time Analyzed: 08:06
 Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	5.0	
74-93-1	Methyl Mercaptan	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	2.5	
75-18-3	Dimethyl Sulfide	ND	2.5	
75-15-0	Carbon Disulfide	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	2.5	
107-03-9	n-Propyl Mercaptan	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	2.5	

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

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

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

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

ALS Project ID: P1600219
 ALS Sample ID: P160118-LCS

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 1 L Zefon Bag
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 1/18/16
 Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
7783-06-4	Hydrogen Sulfide	2,000	2,440	122	65-138	
463-58-1	Carbonyl Sulfide	2,000	2,570	129	60-135	
74-93-1	Methyl Mercaptan	2,000	2,520	126	57-140	

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

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

ALS Project ID: P1600219
 ALS Sample ID: P160118-LCS

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

Date Collected: NA
 Date Received: NA
 Date Analyzed: 1/18/16
 Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	
					Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	1,000	1,160	116	65-138	
463-58-1	Carbonyl Sulfide	1,000	1,070	107	60-135	
74-93-1	Methyl Mercaptan	1,000	1,100	110	57-140	

ALS ENVIRONMENTAL

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Client: Southern California Gas Company

Client Sample ID: Mason/Corbin

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-001

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00996

Initial Pressure (psig): -3.03 Final Pressure (psig): 1.12

Canister Dilution Factor: 1.36

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.15	0.043	
108-88-3	Toluene	ND	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.16	
95-47-6	o-Xylene	ND	0.16	

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

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

ALS ENVIRONMENTAL

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Community School

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-002

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00960

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	0.10	0.038	
108-88-3	Toluene	ND	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.

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Client: Southern California Gas Company

Client Sample ID: Galileo/Donatello

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-003

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00933

Initial Pressure (psig): -1.94 Final Pressure (psig): 1.05

Canister Dilution Factor: 1.23

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.092	0.039	
108-88-3	Toluene	ND	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.

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RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-004

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00965

Initial Pressure (psig): -3.04 Final Pressure (psig): 1.06

Canister Dilution Factor: 1.35

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.097	0.042	
108-88-3	Toluene	ND	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.16	
95-47-6	o-Xylene	ND	0.16	

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

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

ALS ENVIRONMENTAL

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Client: Southern California Gas Company

Client Sample ID: Highlands 1

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-005

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00907

Initial Pressure (psig): -3.04 Final Pressure (psig): 1.10

Canister Dilution Factor: 1.36

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.092	0.043	
108-88-3	Toluene	ND	0.18	
100-41-4	Ethylbenzene	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.16	
95-47-6	o-Xylene	ND	0.16	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Highlands 3

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-006

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00911

Initial Pressure (psig): -2.24 Final Pressure (psig): 1.22

Canister Dilution Factor: 1.28

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

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates 3

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-007

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00977

Initial Pressure (psig): -1.66 Final Pressure (psig): 1.71

Canister Dilution Factor: 1.26

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.10	0.039	
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

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Client: Southern California Gas Company

Client Sample ID: Highlands 2

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-008

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00972

Initial Pressure (psig): -1.78 Final Pressure (psig): 1.17

Canister Dilution Factor: 1.23

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.13	0.039	
108-88-3	Toluene	ND	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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Castlebay Elementary School

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-009

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes: !

Container ID: AS00955

Initial Pressure (psig): -1.63 Final Pressure (psig): 1.12

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	0.26	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.

! = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Starter Set Preschool

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-010

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00980

Initial Pressure (psig): -1.51 Final Pressure (psig): 1.19

Canister Dilution Factor: 1.20

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.27	0.038	
108-88-3	Toluene	0.35	0.16	
100-41-4	Ethylbenzene	ND	0.14	
179601-23-1	m,p-Xylenes	0.14	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

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Porter Ridge Park

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-011

Test Code: EPA TO-15

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00936

Initial Pressure (psig): -2.25 Final Pressure (psig): 1.27

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	0.21	0.17	
100-41-4	Ethylbenzene	ND	0.15	
179601-23-1	m,p-Xylenes	ND	0.15	
95-47-6	o-Xylene	ND	0.15	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Method Blank

ALS Project ID: P1600219

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

ALS Sample ID: P160118-MB

Test Code: EPA TO-15

Date Collected: NA

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

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	0.031	
108-88-3	Toluene	ND	0.13	
100-41-4	Ethylbenzene	ND	0.12	
179601-23-1	m,p-Xylenes	ND	0.12	
95-47-6	o-Xylene	ND	0.12	

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

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

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Southern California Gas Company

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

ALS Project ID: P1600219

Test Code: EPA TO-15

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

Date(s) Collected: 1/18/16

Analyst: Simon Cao

Date(s) Received: 1/18/16

Sample Type: 6.0 L Silonite Canister(s)

Date(s) Analyzed: 1/18/16

Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P160118-MB	95	104	106	70-130	
Lab Control Sample	P160118-LCS	89	102	109	70-130	
Mason/Corbin	P1600219-001	90	102	107	70-130	
Porter Ranch Community School	P1600219-002	94	103	107	70-130	
Galileo/Donatello	P1600219-003	90	102	107	70-130	
Porter Ranch Estates	P1600219-004	94	102	107	70-130	
Highlands 1	P1600219-005	95	101	107	70-130	
Highlands 3	P1600219-006	101	102	107	70-130	
Porter Ranch Estates 3	P1600219-007	103	100	105	70-130	
Highlands 2	P1600219-008	103	101	106	70-130	
Castlebay Elementary School	P1600219-009	97	101	107	70-130	
Starter Set Preschool	P1600219-010	104	100	105	70-130	
Porter Ridge Park	P1600219-011	99	100	104	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: P1600219

ALS Sample ID: P160118-LCS

Test Code: EPA TO-15

Date Collected: NA

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

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 1/18/16

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	Data Qualifier
					Acceptance Limits	
71-43-2	Benzene	70.8	61.3	87	61-110	
108-88-3	Toluene	57.9	52.0	90	67-117	
100-41-4	Ethylbenzene	50.2	46.9	93	69-123	
179601-23-1	m,p-Xylenes	98.6	92.8	94	67-125	
95-47-6	o-Xylene	48.4	44.8	93	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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Castlebay Elementary School

ALS Project ID: P1600219

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

ALS Sample ID: P1600219-009

Test Code: EPA TO-15 Modified

Date Collected: 1/18/16

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

Date Received: 1/18/16

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 1 L Zefon Bag

Volume(s) Analyzed: 0.10 Liter(s)

Test Notes:

CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	0.31	
108-88-3	Toluene	ND	1.3	
100-41-4	Ethylbenzene	ND	1.2	
179601-23-1	m,p-Xylenes	ND	1.2	
95-47-6	o-Xylene	ND	1.2	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Method Blank

ALS Project ID: P1600219

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

ALS Sample ID: P160118-MB

Test Code: EPA TO-15 Modified

Date Collected: NA

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

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 1 L Zefon Bag

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

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: P1600219

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date(s) Collected: 1/18/16
 Analyst: Simon Cao Date(s) Received: 1/18/16
 Sample Type: 1 L Zefon Bag(s) Date(s) Analyzed: 1/18/16
 Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P160118-MB	95	104	106	70-130	
Lab Control Sample	P160118-LCS	89	102	109	70-130	
Castlebay Elementary School	P1600219-009	96	100	108	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: P1600219

ALS Sample ID: P160118-LCS

Test Code: EPA TO-15 Modified

Date Collected: NA

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

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 1/18/16

Sample Type: 1 L Zefon Bag

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
71-43-2	Benzene	70.8	61.3	87	61-110	
108-88-3	Toluene	57.9	52.0	90	67-117	
100-41-4	Ethylbenzene	50.2	46.9	93	69-123	
179601-23-1	m,p-Xylenes	98.6	92.8	94	67-125	
95-47-6	o-Xylene	48.4	44.8	93	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.