

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 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 <u>www.alsglobal.com</u>. 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 CompanyService Request No:P1600219Project: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 pressuirization 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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Client:Southern California Gas CompanyService Request No:P1600219Project:SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The canisters were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental - Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
АІНА	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/EnvironmentalLaborat oryAccreditation/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/ga/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 <u>www.alsglobal.com</u>, 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.

DETAIL SUMMARY REPORT

Client: Southern California Gas Company Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 Service Request: P1600219

Date Received: Time Received: Client Sample ID	1/18/2016 09:05 Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1	Pf1	TO-3 Modified - C1C6+ Can	TO-15 - VOC Cans	ASTM D 5504-12 - Sulfur Bag	TO-3 Modified - C1C6+ Bag	TO-15 Modified - VOC Bags	
Mason/Corbin	P1600219-001	Air	1/18/2016	02:05	AS00996	(psig) -3.03	(psig) 1.12	T X	X	X	L	L	
Porter Ranch Community School		Air	1/18/2016	02:03	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	Х	Х	Х			
Highlands 1	P1600219-005	Air	1/18/2016	03:24	AS00907	-3.04	1.10	Х	Х	Х			
Highlands 3	P1600219-006	Air	1/18/2016	03:42	AS00911	-2.24	1.22	Х	Х	Х			
Porter Ranch Estates 3	P1600219-007	Air	1/18/2016	04:04	AS00977	-1.66	1.71	Х	х	х			
Highlands 2	P1600219-008	Air	1/18/2016	04:22	AS00972	-1.78	1.17	Х	Х	Х			
Castlebay Elementary School	P1600219-009	Air	1/18/2016	04:41	AS00955	-1.63	1.12	Х	Х	Х	Х	Х	
Starter Set Preschool	P1600219-010	Air	1/18/2016	04:59	AS00980	-1.51	1.19	Х	Х	Х			
Porter Ridge Park	P1600219-011	Air	1/18/2016	05:18	AS00936	-2.25	1.27	Х	Х	Х			

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(ALS)	Phone (805) 526-7161 Eav (805) 526-770	526-7161 6-7270		Requested Tu 1 Day (100%)	maround Time	Requested Turnaround Time in Business Days (Surcharges) please circle [1 Dav (100%) 2 Dav (75%) 3 Dav (50%) 4 Dav (35%) 5 Dav (25%) 10 Dav-Standard	s (Surcharges (35%) 5 Dav () please circle (25%) 10 Dav-S	tandard	ALS Project No.		
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Project Manager SON BLI			2	P.O. # / Billing information	information				əuer	s cted s		Comment
Phone	Fax								təM	ələ2) 26 (e.g. Actual Preservative
(714) 254-1945	(714) 956-2350	2350							for) 21 2月		or specific
Email Address for Result Reporting				Sampler (Prim & Sign)	Sign)				рə	L % >0	()(3	instructions
Please see Kelly Horiuchi for distribution list	chi for distr	ibution list		Jerge		burealer /	F-J		itibo	spu SS (9T8	
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	om 6-0T	noduloo	I) 81-0T	
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MasolitCorplit	Č		2020	Tedlar Bag	NA	NA	AN	NA		×		
	C	04140146	4140	Silonite Can.	AS00960	Aveousas	26	n	×		×	
	Ù	01/01/10	٢٩٣٥	Tedlar Bag	NA	NA	A	A		×		
- Contraction	M	04/48/48	0233	Silonite Can.	A500453	Av6 035 90	3.6	٢	×		×	
Galifeor Dollaterio			5420	Tedlar Bag	NA	NA	NA	NA		×		
Dadas Danch Estation		01/18/18	eseo	Silonite Can.	A500965	152603VY	à 8	9	×		х	
FORE RANCI Estates	(d.)	01/10/10	0303	Tedlar Bag	NA	ŅA	NA	NA		×		
Linhande 1	(F	01/18/16	DBIH	Silonite Can.	A500%	Aubozy78	26	5	×		×	
	3	2	4250	Tedlar Bag	NA	NA	NA	NA		×		-
	Ć	04140146	2250	Silonite Can.	A50 0911	AVGOYAYS	36	3	×		×	
	ا رو		ሪንዛኤ	Tedlar Bag	NA	NA	NA	NA		×		
Dortor Danch Estatos 3	(4)	01/18/16	0354	Silonite Can.	AS00977	AV604495	そや	۲	×		х	
	>	2	9404	Tedlar Bag	NA	NA	NA	NA		×		
Report Tler Tier I - Results (Default if not specified) Tier II (Results + QC Summaries) X	Report Tier Levels - please select scified) Tier III (Results + QC in Tier IV (Data Validation) Tier IV (Data Validation)	is - please select Tier III (Results + QC & Calibration Summaries) Tier IV (Data Validation Package) 10% Surchar	k Calibration S In Package) 1		EDD required (Type:	Yes No Units:		Chain of Custody Seal: (Circle) INTACT BROKEN ABSE	stody Seal: (Cir BROKEN A	Circle) ABSENT		
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Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A

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Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Collection - Vessel	Cani Bar o AC, S	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Ho	Canister End Pressure "Ha/nsid	.O-3 mod	ounodwo	.8) st-0.	
Highlands 2	6	01/18/16	SUP0	Silonite Can.	ASOOGFL	AV603930	45	ĥ		2	l ×	
	ે	2	OYAA	Tedlar Bag	NA	AN	NA	AN		×		
Castlehav Flementarv School	(6)	01/18/16	1240	Silonite Can.	Asooges	AV604191	36	٦	×		×	
)	2.01.20	1440	Tedlar Bag	NA	NA	M	NA		×		
Starter Set Preschool	(a)	01/18/16	6449	Silonite Can.	A500980	AVGOJAJI	26	M	×		×	
)		وكلاك	Tedlar Bag	M	NA	NA	NA		×		
Porter Ridge Park	(=	01/18/16	0508	Silonite Can.	A500936	AVGOYY38	26	m	×		×	
			0518	Tedlar Bag	M	NA	NA	M		×		
		_										
Tier I - Results (Default if not specified)	Report Tier Levels - please select crifted) Tier III (Results + QC	Is - please select Tier III (Results + QC & Calibration Summaries) Tier IV (Data Validation Package) 10% Surcharge	Calibration Su Package) 10	l e	EDD required	Yes No Units:		Chain of Custody Seal: (Circle) INTACT BROKEN ABSE	stody Seal: (Circ) BROKEN AB;	Circle) ABSENT		
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Air - Chain of Custody Record & Analytical Service Request 2655 Park Center Drive, Suite A

ALS Environmental Sample Acceptance Check Form

		fornia Gas Company	Ĩ	I		Work order:	P1600219			
Project	SOUTHERN	CALIFORNIA GAS -	ALISO CAN	YON STATIO	N / 14424					
Sample	(s) received on:	1/18/16		. 1	Date opened:	1/18/16	by:	SAND	ERSON	1
		samples received by ALS.		-	-	_			dication	of
compliance	e or nonconformity.	Thermal preservation and	pH will only be e	valuated either at t	the request of the	e client and/or as requ	ired by the meth		No	NI/A
1	Were sample	containers properly n	narked with cli	ient sample ID	?			<u>Yes</u>	<u>No</u> □	<u>N/A</u>
2	Did sample co	ontainers arrive in goo	od condition?					X		
3	Were chain-of	f-custody papers used	and filled out	?				X		
4	Did sample co	ntainer labels and/or	tags agree wi	th custody pap	ers?			X		
5	Was sample v	olume received adequ	ate for analysi	is?				X		
6	Are samples w	vithin specified holding	g times?					X		
7	Was proper te	mperature (thermal p	reservation) o	of cooler at rece	eipt adhered t	o?				X
8	Were custody	seals on outside of co	oler/Box/Con	tainer?						X
		Location of seal(s)?					Sealing Lid?			X
	Were signature	e and date included?								X
	Were seals inta	act?								X
9	Do containe:	rs have appropriate pr	eservation, a	ccording to me	thod/SOP or	Client specified i	nformation?			X
	Is there a clier	nt indication that the s	ubmitted samp	ples are pH pre	eserved?					X
	Were VOA v	ials checked for prese	nce/absence of	f air bubbles?						X
	Does the clien	t/method/SOP require	that the analy	st check the sa	mple pH and	if necessary alter	it?			X
10	Tubes:	Are the tubes capp	ed and intact?	?						X
11	Badges:	Are the badges pr	operly capped	and intact?						X
		Are dual bed badg	ges separated a	and individually	y capped and	intact?				X
Lab	Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)		pt / Pres Commer		l
D160021	0.001.01									

Lab Sample ID	Container	Required	Received	Adjusted	VOA Headspace	Receipt / Preservation
	Description	pH *	pH	pH	(Presence/Absence)	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)

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ALS Environmental Sample Acceptance Check Form

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

Work order:

P1600219

by:

Sample(s) received on: 1/18/16

Date opened: 1/18/16

SANDERSON

Lab Sample ID	Container	Required	Received	Adjusted	VOA Headspace	Receipt / Preservation
	Description	pH *	pH	pН	(Presence/Absence)	Comments
P1600219-008.02	1 L Zefon Bag					
P1600219-009.01	6.0 L Silonite Can					
P1600219-009.02	1 L Zefon Bag					
P1600219-010.01	6.0 L Silonite Can					
P1600219-010.02	1 L Zefon Bag					
P1600219-011.01	6.0 L Silonite Can					
P1600219-011.02	1 L Zefon Bag					
	1					

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

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

RESULTS OF ANALYSIS

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Client:Southern California Gas CompanyALS Project ID: P1600219Client 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.

LABORATORY CONTROL SAMPLE SUMMARY

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Client:	Southern California Gas Company	
Client Sample ID:	Lab Control Sample	ALS Project ID: P1600219
Client Project ID:	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Sample ID: P160118-LCS

Test Code:	EPA TO-3 Modified	Date Collected: NA
Instrument ID:	HP5890 II/GC8/FID	Date Received: NA
Analyst:	Mike Conejo	Date Analyzed: 1/18/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: NA ml(s)
Test Notes:		

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

RESULTS OF ANALYSIS

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Client:Southern California Gas CompanyALS Project ID: P1600219Client Project ID:SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Methane

Test Code:	EPA TO-3 Modified	
Instrument ID:	HP5890 II/GC8/FID	Date(s) Collected: 1/18/16
Analyst:	Mike Conejo	Date Received: 1/18/16
Sampling Media:	1 L Zefon Bag(s)	Date Analyzed: 1/18/16
Test Notes:		

		Injection			
Client Sample ID	ALS Sample ID	Volume	Result	MRL	Data
		ml(s)	ppmV	ppmV	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.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client:	Southern California Gas Company	
Client Sample ID:	Lab Control Sample	ALS Project ID: P1600219
Client Project ID:	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Sample ID: P160118-LCS

Test Code:	EPA TO-3 Modified	Date Collected: NA
Instrument ID:	HP5890 II/GC8/FID	Date Received: NA
Analyst:	Mike Conejo	Date Analyzed: 1/18/16
Sampling Media:	1 L Zefon Bag	Volume(s) Analyzed: NA ml(s)
Test Notes:		

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

RESULTS OF ANALYSIS Page 1 of 1

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:	ASTM D 5504-12	Date Collected: 1/18/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 02:05

Test Coue.	ASTNI D 3304-12	Date Confected. 1/16/10
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 02:05
Analyst:	Mike Conejo	Date Received: 1/18/16
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16
Test Notes:		Time Analyzed: 09:30
		Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:Southern California Gas CompanyClient Sample ID:Porter Ranch Community SchoolALS Project ID: P1600219Client Project ID:SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424ALS Sample ID: P1600219-002

Test Code:	ASTM D 5504-12	Date Collected: 1/18/16		
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected: 02:24		
Analyst:	Mike Conejo	Date Received: 1/18/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16		
Test Notes:		Time Analyzed: 09:31		
		Volume(s) Analyzed: 1.0 ml(s)		

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS Page 1 of 1

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:	ASTM D 5504-12	Date Collected: 1/18/16

Test Code:	ASTM D 5504-12	Date Collected: 1/18/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 02:43		
Analyst:	Mike Conejo	Date Received: 1/18/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16		
Test Notes:		Time Analyzed: 09:42		
		Volume(s) Analyzed: 2.0	0 ml(s)	

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS Page 1 of 1

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

Test Code:	ASTM D 5504-12	Date Collected: 1/18/16	
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected: 03:03	
Analyst:	Mike Conejo	Date Received: 1/18/16	
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16	
Test Notes:		Time Analyzed: 09:42	
		Volume(s) Analyzed: 1.0 ml(s)	

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS Page 1 of 1

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 [.]	ASTM D 5504-12	Date Collected: 1/18/16

Test Code:	ASTM D 5504-12	Date Collected: 1/18/16	
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 03:24	
Analyst:	Mike Conejo	Date Received: 1/18/16	
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16	
Test Notes:		Time Analyzed: 09:52	
		Volume(s) Analyzed:	2.0 ml(s)

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS Page 1 of 1

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:	ASTM D 5504-12	Date Collected: 1/18/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected: 03:42

ASTNI D 3304-12	Date Collected. 1/18/10		
Agilent 6890A/GC13/SCD	Time Collected: 03:42		
Mike Conejo	Date Received: 1/18/16		
1 L Zefon Bag	Date Analyzed: 1/18/16		
	Time Analyzed: 09:53		
	Volume(s) Analyzed: 1.0 ml(s)		

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

Analyst:

Sample Type:

Test Notes:

RESULTS OF ANALYSIS Page 1 of 1

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:	ASTM D 5504-12	Date Collected: 1/18/16	
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 04:04	
Analyst:	Mike Conejo	Date Received: 1/18/16	
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16	
Test Notes:		Time Analyzed: 10:03	
		Volume(s) Analyzed: 2.0 ml(s)	

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS Page 1 of 1

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:	ASTM D 5504-12	Date Collected: 1/18/16
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected: 04:22

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	MRL	Data
		ppbV	ppbV	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.

Analyst:

Sample Type:

Test Notes:

Mike Conejo

1 L Zefon Bag

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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:	ASTM D 5504-12	Date Collected: 1/18/16	
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 04:41	
Analyst:	Mike Conejo	Date Received: 1/18/16	
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16	
Test Notes:		Time Analyzed: 10:14	
		Volume(s) Analyzed: 2.0 ml(s)	

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

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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:	ASTM D 5504 12	Data Collected: 1/18/16

Test Code: ASTM D 5504-12	Date Collected: 1/18/16	
Instrument ID: Agilent 6890A/GC13/SCD	Time Collected: 04:59	
Analyst: Mike Conejo	Date Received: 1/18/16	
Sample Type: 1 L Zefon Bag	Date Analyzed: 1/18/16	
Test Notes:	Time Analyzed: 10:15	
	Volume(s) Analyzed: 1.0 ml(s)	

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

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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:	ASTM D 5504-12	Date Collected: 1/18/16	
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 05:18	
Analyst:	Mike Conejo	Date Received: 1/18/16	
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16	
Test Notes:		Time Analyzed: 10:26	
		Volume(s) Analyzed: 2.0 ml(s)	

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

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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:	ASTM D 5504-12	Date Collected: NA		
Instrument ID:	Agilent 6890A/GC13/SCD	Time Collected: NA		
Analyst:	Mike Conejo	Date Received: NA		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16		
Test Notes:		Time Analyzed: 08:21		
		Volume(s) Analyzed: 1.0 ml(s)		

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

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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:	ASTM D 5504-12	Date Collected: NA		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: NA		
Analyst:	Mike Conejo	Date Received: NA		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/18/16		
Test Notes:		Time Analyzed: 08:06		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

LABORATORY CONTROL SAMPLE SUMMARY

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Client:Southern California Gas CompanyClient Sample ID:Lab Control SampleClient Project ID:SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424ALS Sample ID:P160118-LCS

Test Code:	ASTM D 5504-12	Date Collected: NA	
Instrument ID:	Agilent 6890A/GC13/SCD	Date Received: NA	
Analyst:	Mike Conejo	Date Analyzed: 1/18/16	
Sample Type:	1 L Zefon Bag	Volume(s) Analyzed:	NA ml(s)
Test Notes:			

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

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client:Southern California Gas CompanyClient Sample ID:Lab Control SampleClient Project ID:SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424ALS Sample ID:P160118-LCS

Test Code:	ASTM D 5504-12	Date Collected: NA		
Instrument ID:	Agilent 7890A/GC22/SCD	Date Received: NA		
Analyst:	Mike Conejo	Date Analyzed: 1/18/16		
Sample Type:	1 L Zefon Bag	Volume(s) Analyzed: NA ml(s)		
Test Notes:				

					ALS	
CAS #	Compound	Spike Amount	Result	% Recovery	Acceptance	Data
		ppbV	ppbV		Limits	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	

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	Southern California Gas Company Mason/Corbin SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		01
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: Test Notes:	6.0 L Silonite Canister Vo	lume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00996			
	Initial Pressure (psig): -3.03 Final Pressure (psig):	1.12 Caniste	r Dilution Fac	ctor: 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.

RESULTS OF ANALYSIS

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-	Southern California Gas Company Porter Ranch Community School SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:)2
Test Code: Instrument ID: Analyst: Sample Type: Test Notes: Container ID:	EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Simon Cao	Date Collected: Date Received: Date Analyzed: 'olume(s) Analyzed:	1/18/16 1/18/16	
	Initial Pressure (psig): -1.76 Final Pressure (psig)	: 1.02		
		Canister	Dilution Fac	etor: 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	

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

o-Xylene

95-47-6

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

0.14

ND

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	Southern California Gas Company Galileo/Donatello SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		03
Test Code: Instrument ID: Analyst: Sample Type: Test Notes: Container ID:	EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Simon Cao	Date Collected: Date Received: Date Analyzed: olume(s) Analyzed:	1/18/16 1/18/16 1/18/16	
Container ID.	Initial Pressure (psig): -1.94 Final Pressure (psig):	1.05 Caniste	r Dilution Fac	ctor: 1.23
CAS #	Compound	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.092	0.039	<u> </u>
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.

RESULTS OF ANALYSIS

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-	Southern California Gas Company Porter Ranch Estates SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		04
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: Test Notes:	6.0 L Silonite Canister Vo	lume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00965			
	Initial Pressure (psig): -3.04 Final Pressure (psig):	1.06		
		Caniste	r Dilution Fac	ctor: 1.35
CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	Southern California Gas Company Highlands 1 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:)5
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: Test Notes:	6.0 L Silonite Canister Vo	lume(s) Analyzed:	1.00 Lit	er(s)
Container ID:	AS00907			
	Initial Pressure (psig): -3.04 Final Pressure (psig):	1.10		
		Caniste	r Dilution Fac	tor: 1.36
CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Client Sample ID: Client Project ID:	Southern California Gas Company Highlands 3 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		06
Test Code:	EPA TO-15	Date Collected:		
Instrument ID: Analyst:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Simon Cao	Date Received: Date Analyzed:		
Sample Type: Test Notes:		lume(s) Analyzed:		ter(s)
Container ID:	AS00911			
	Initial Pressure (psig): -2.24 Final Pressure (psig):	1.22		
		Caniste	r Dilution Fac	ctor: 1.28
CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS

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Client: Client Sample ID:	Southern California Gas Company Porter Ranch Estates 3	ALS Project ID:	P1600219	
Client Project ID:	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Sample ID:	P1600219-00	7
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 Vol	lume(s) Analyzed:	1.00 Lit	er(s)
Test Notes:				
Container ID:	AS00977			
	Initial Pressure (psig): -1.66 Final Pressure (psig):	1.71 Caniste	r Dilution Fac	tor: 1.26
CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Client Sample ID: Client Project ID:	Southern California Gas Company Highlands 2 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		8
Test Code:	EPA TO-15	Date Collected:	1/18/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9	Date Received:		
Analyst:	Simon Cao	Date Analyzed:	1/18/16	
Sample Type:	6.0 L Silonite Canister V	olume(s) Analyzed:	1.00 Lit	er(s)
Test Notes:				
Container ID:	AS00972			
	Initial Pressure (psig): -1.78 Final Pressure (psig):		r Dilution Fac	tor: 1.23
CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS

Page 1 of 1

-	Southern California Gas Company Castlebay Elementary School SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		9
Test Code: Instrument ID: Analyst:	EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Simon Cao	Date Collected: Date Received: Date Analyzed:	1/18/16	
Sample Type: Test Notes: Container ID:		blue (s) Analyzed:		er(s)
	Initial Pressure (psig): -1.63 Final Pressure (psig):	1.12		
		Caniste	r Dilution Fac	tor: 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	

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

m,p-Xylenes

o-Xylene

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

179601-23-1

95-47-6

0.14

0.14

ND

ND

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	Southern California Gas Company Starter Set Preschool SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	ALS Project ID: ALS Sample ID:		10
Test Code: Instrument ID: Analyst:	EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Simon Cao	Date Collected: Date Received: Date Analyzed:	1/18/16	
Sample Type: Test Notes: Container ID:	6.0 L Silonite Canister Va AS00980	olume(s) Analyzed:	1.00 Li	ter(s)
	Initial Pressure (psig): -1.51 Final Pressure (psig):	1.19		
		Caniste	r Dilution Fa	ctor: 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.

RESULTS OF ANALYSIS

Page 1 of 1

-	Southern California Gas Company Porter Ridge Park SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 1442	ALS Project ID: 4 ALS Sample ID:		11
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 Lit	ter(s)
Test Notes:				
Container ID:	AS00936			
	Initial Pressure (psig): -2.25 Final Pressure (psig)		r Dilution Fac	ctor: 1.28
CAS #	Compound	Result	MRL	Data
		ppbV	ppbV	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.

RESULTS OF ANALYSIS

Page 1 of 1

Client:	Southern California Gas Company		
Client Sample ID:	Method Blank	ALS Project ID: P1	600219
Client Project ID:	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 144	24 ALS Sample ID: P1	60118-MB
Test Code:	EPA TO-15	Date Collected: NA	A
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9	Date Received: NA	A
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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client:Southern California Gas CompanyClient 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
Analyst:	Simon Cao
Sample Type:	6.0 L Silonite Canister(s)
Test Notes:	

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

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	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.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client:	Southern California Gas Company	
Client Sample ID:	Lab Control Sample	ALS Project ID: P1600219
Client Project ID:	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424	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:		

					ALS	
CAS #	Compound	Spike Amount	Result	% Recovery	Acceptance	Data
		ppbV	ppbV		Limits	Qualifier
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.

RESULTS OF ANALYSIS

Page 1 of 1

-	Southern California Gas Company Castlebay Elementary School SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 1442	ALS Project ID: P1600219 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	MRL	Data
		ppbV	ppbV	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.

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	MRL	Data
		ppbV	ppbV	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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client:Southern California Gas CompanyClient Project ID:SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424ALS Proj

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:		

		1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene		
Client Sample ID	ALS Sample ID	Percent	Percent	Percent	Acceptance	Data
		Recovered	Recovered	Recovered	Limits	Qualifier
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.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client:	Southern California Gas Company		
Client Sample ID:	Lab Control Sample	ALS Project ID: P1600219	
Client Project ID:	roject ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P16		
Test Code:	Test Code: EPA TO-15 Modified Date Collected		
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:			

					ALS	
CAS #	Compound	Spike Amount	Result	% Recovery	Acceptance	Data
		ppbV	ppbV		Limits	Qualifier
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.