

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 3, 2016

Glen La Fever Southern California Gas Company P.O. Box 513249 Los Angeles, CA 90051

RE: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Dear Glen:

Enclosed are the results of the samples submitted to our laboratory on January 2, 2016. For your reference, these analyses have been assigned our service request number P1600003.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 1:09 pm, Jan 03, 2016

Sue Anderson Project Manager



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Client: Southern California Gas Company Service Request No: P1600003

Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 2, 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.

C1 through C6 Hydrocarbon and TGNMO Analysis

The samples were analyzed per modified EPA Method TO-3 for C1 through >C6 hydrocarbons and total gaseous non-methane organics as 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.

Volatile Organic Compound Analysis

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

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

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

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



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ALS Environmental - Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L15-398
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-001
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413- 15-6
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA01627201 5-5
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

DETAIL SUMMARY REPORT

Service Request: P1600003

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VOC Cans

Client: Southern California Gas Company

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

Date Received: 1
Time Received: 0

1/2/2016 09:40

			Date	Time	Container	Pi1	Pf1	-3 Mo	-15 -	
Client Sample ID	Lab Code	Matrix	Collected	Collected	ID	(psig)	(psig)	ŢŌ	TO	
Porter Ridge Park	P1600003-001	Air	1/2/2016	05:40	AS00981	-1.45	3.89	X	X	
Starter Set Preschool	P1600003-002	Air	1/2/2016	05:23	AS00977	-2.39	3.28	X	X	
Castlebay Elementary School	P1600003-003	Air	1/2/2016	05:05	AS00986	-1.53	3.73	X	X	
Highlands 2	P1600003-004	Air	1/2/2016	04:44	AS00988	-1.38	3.48	X	X	
Porter Ranch Community School	P1600003-005	Air	1/2/2016	03:00	AS00983	-1.09	3.37	X	X	
Holleigh Bernson Park	P1600003-006	Air	1/2/2016	03:18	AS00978	-1.52	3.43	X	X	
Porter Ranch Estates	P1600003-007	Air	1/2/2016	03:35	AS00980	-1.05	3.86	X	X	
Highlands 1	P1600003-008	Air	1/2/2016	04:10	AS00975	-1.81	3.38	X	X	
R-1	P1600003-009	Air	1/2/2016	07:59	AS00976	-5.96	3.36	X	X	
SF-2/5	P1600003-010	Air	1/2/2016	07:27	AS00991	-1.92	4.52	X	X	
SF-1	P1600003-011	Air	1/2/2016	07:08	AS00992	-2.17	3.38	X	X	
P-40	P1600003-012	Air	1/2/2016	06:47	AS00984	-1.37	3.97	X	X	
MA1-A	P1600003-013	Air	1/2/2016	06:18	AS00987	-1.89	3.29	X	X	
T-3 Low Road	P1600003-014	Air	1/2/2016	02:35	AS00996	-1.99	3.43	X	X	
T-3 High Road	P1600003-015	Air	1/2/2016	02:17	AS00990	-1.94	3.37	X	X	
Porter Ranch Estates 2	P1600003-016	Air	1/2/2016	03:52	AS00973	-1.50	3.37	X	X	
Highlands 3	P1600003-017	Air	1/2/2016	04:27	AS00979	-1.58	3.43	X	X	
SS-3H	P1600003-018	Air	1/2/2016	01:41	AS00974	-2.00	3.56	X	X	
SS-09	P1600003-019	Air	1/2/2016	01:26	AS00985	-3.04	3.38	X	X	

Page 1 of 2

Air - Chain of Custody Record & Analytical Service Request



2655 Park Center Drive, Suite A Simi Valley, California 93065 Phone (805) 526-7161

Phone (805) E Fax (805) E Company Name & Address (Reporting Information) AIRKINETICS, INC.	Phone (805) 526-716 Fax (805) 526-7270	526-7161 6-7270		Requested Tu	aquested Turnaround Time in Business Days (Surcharges) please circle	Business Day	s (Surcharges) p	lease circle		ALS Project No.	0	
Company Name & Address (Reporting AIRKINET					2 Day (75%) 3 Day	v (50%) 4 Dav	Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day Standard	%) 10 Day	Standard		Change of the Company	ρ C
Company Name & Address (Reporting AIRKINET			7				2 (2 2)	, (a)	ALS Contact:			7
AIRKINET	Information)			Project Name					0,	Sue Anderson		
70000	ICS, INC.			SOUTH	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION	GAS - ALISO	CANYON STATIC	_ Z	Ana	Analysis Method	po	
,	1308 S. Allec Street Anaheim, CA 92805			Project Number 14424					OMV	יחונער		
Project Manager				P.O. # / Billing Information	Information				IĐL ĩ	SS) qeq a		Comment
Phone	Z X								8 90	oələ H se		e.g. Actual
(714) 254-1945	(714) 956-2350	50							cı-0	S) S		Preservative
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Please see Kelly Horluchi for distribution list	ICNI TOF DISTRI	Dution list		_	Ī	27 273	John De	1		spu 39 (IT8	
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canfisfer End Pressure S "Hg/psig V	Sample Volume	m 6-OT dteM es	US¥ MTS¥)	
Porter Ridge Park	0	01/02/16	0530-	A\$ 00981	OMO 177	25			×		. ×	
Starter Set Preschool	(2)	01/02/16	0513-	AS 00977	0400HG	27	4		×		×	
Castlebay Elementary School	(3)	01/02/16			OA 00033	27	3.5		×		×	
Highlands 2	(F)	01/02/16	व्यड्ड-	AS00988	0A01295	30	5		×		×	
Porter Ranch Community School	(9)	01/02/16	0250-	As 00985	0401056	30	4.5		×		×	
Holleigh Bernson Park	9	01/02/16	0308-	A500978	0A01487	28	4		×		×	
Porter Ranch Estates	0	01/02/16	0325-	A500980	OA00345	2.6	2.5		×		×	
Highlands 1	8	01/02/16	0400-	AS00975	0A00534	27	2		×		×	
R-1	9	01/02/16		A500 476	0A01867	30	11		×		×	
SF-2/5	٩	01/02/16	. ~	ASOOGGI	0800100	26.5	3.5		×		×	
SF-1	9	01/02/16	0658-	Aso 0992	ONOOGOH	25	2.5		×		×	
P-40	<u>@</u>	01/02/16	0637-	AS0 0984	OR01035	25	5		×		×	
MA1-A	(g)	01/02/16		ASO 0987	0401299	27	4		×		×	
T-3 Low Road	(<u>1</u>)		0225	AS00946	0A01278	28.5	5		×		×	
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Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A Simi Valley, California 93065 Phone (805) 526-7161 Fax (805) 526-7270

	(ALS)	Phone (805) 526-7161	526-7161 526-7161		Requested T	Requested Turnaround Time in Business Days (Surcharges) please circle	in Business Da	ys (Surcharge	s) please circ	el:	ALS Project No.	કુ	
		rax (603) 320-1210	0-1210	9	1 Day (100%)	Lay (100%) 2 Day (75%) 3 Day (30%) 4 Day (35%)	Day (50%) 4 Da		5 Day (25%) 10 Day	10 Day-Standard		1 1600003	
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	Phone (714) 254-1945	Fax (714) 956-2350	 								-2) SI - & sbi		Preservative or specific
	Email Address for Result Reporting Please see Kellv Horiuchi for distribution list.	chi for distri	bution lis		Sampler (Print & Sign)	k Sign)	Lieu	Kom	1		- 1 099	(XЭTE	instructions
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	T-3 High Road	®	01/02/16	0207-	A500990	0400704	27	ν. /ι			3	×	
	Porter Ranch Estates 2	(1)	01/02/16	0342-	AS 00973	0401237	27	2.5		×		×	
	Highlands 3	(i)	01/02/16	-2168	A500979	0400721	26	20		×		×	
	HS-SS 6	(9)	01/02/16	0131-	A500974	0401210	23.5	2.5		×		×	
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ALS Environmental

		fornia Gas Company	•	e Acceptance	_		P1600003			
	e(s) received on:	CALIFORNIA GAS -	ALISO CAN			1/2/16	h	ИПОD	IUCHI	
Sample	e(s) received on	. 1/2/10			Date opened:	1/2/10	by:	KHUK	исп	
<i>lote:</i> Thi	s form is used for al	ll samples received by ALS.	The use of this f	orm for custody se	eals is strictly m	eant to indicate presen	ce/absence and no	ot as an ir	ndication	of
omplianc	ce or nonconformity	. Thermal preservation and	pH will only be e	valuated either at	the request of th	e client and/or as requ	ired by the metho	d/SOP.		
								Yes	<u>No</u>	<u>N/A</u>
1	_	containers properly n		ient sample ID	?			X		
2	Did sample c	ontainers arrive in goo	od condition?					X		
3	Were chain-o	of-custody papers used	and filled out	?				X		
4	Did sample c	ontainer labels and/or	tags agree wi	th custody pap	ers?			X		
5	Was sample v	volume received adequ	ate for analys	is?				X		
6	Are samples v	within specified holding	g times?					X		
7	Was proper to	emperature (thermal p	reservation) o	f cooler at rece	eipt adhered	to?				X
	1 1		,		1					
8	Were custody	y seals on outside of co	ooler/Box/Con	tainer?						X
	Were custous	Location of seal(s)?					Sealing Lid?			X
	Were signatur	re and date included?					beaming Dia.			×
	Were seals in									\boxtimes
9			occompation a	accrding to ma	thod/SOD or	Client enecified in	nformation?			X
9		ers have appropriate pr ent indication that the s		•		Chefit specified in	mormation?			X
			_		eserveu?					
		vials checked for prese								X
		nt/method/SOP require	-		mple pH and	if necessary alter	it?			×
10	Tubes:	Are the tubes capp								X
11	Badges:	Are the badges pr	operly capped	and intact?						X
		Are dual bed badg	ges separated a	and individuall	y capped and	intact?				X
Lal	h Sample ID	Container	Required	Received	Adjusted	VOA Headspace	Receir	pt / Preservation		
Lab Sample ID		Description	pH*	рН	pH	(Presence/Absence)		Commei		1
21.6000	02.001.01		pm	pii	pii	(Tresence/Tresence)			163	
	03-001.01	6.0 L Silonite Can								
	03-002.01	6.0 L Silonite Can 6.0 L Silonite Can								
	03-004.01	6.0 L Silonite Can								
	03-005.01	6.0 L Silonite Can								
P16000	03-006.01	6.0 L Silonite Can								
P16000	03-007.01	6.0 L Silonite Can								
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			ID numba\:							
Expl	пп апу шкстерапс	eies: (include lab sample	numbers):							

ALS Environmental Sample Acceptance Check Form

Client: Southern California Gas Company	Work order:	P1600003	
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STAT	IO N / 14424		
Sample(s) received on: 1/2/16	Date opened: 1/2/16	by:	KHORIUCHI

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600003-016.01	6.0 L Silonite Can					
	6.0 L Silonite Can					
	6.0 L Silonite Can					
	6.0 L Silonite Can					

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

RESULTS OF ANALYSIS Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Porter Ridge Park

Client Project ID: P1600003

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

ALS Sample ID: P1600003-001

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00981

Initial Pressure (psig): -1.45 Final Pressure (psig): 3.89

Canister Dilution Factor: 1.40

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.0	0.70	_
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	_
C ₆ + as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: Starter Set Preschool

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

ALS Project ID: P1600003-002

Test Code: EPA TO-3 Modified Date Collected: 1/2/16
Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16
Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00977

Initial Pressure (psig): -2.39 Final Pressure (psig): 3.28

Canister Dilution Factor: 1.46

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.4	0.73	
C ₂ as Ethane	ND	0.73	
C ₃ as Propane	ND	0.73	
C ₄ as n-Butane	ND	0.73	
C ₅ as n-Pentane	ND	0.73	
C ₆ as n-Hexane	ND	0.73	
C ₆ + as n-Hexane	ND	0.73	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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 Company

Client Sample ID: Castlebay Elementary School

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

ALS Project ID: P1600003-003

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00986

Initial Pressure (psig): -1.53 Final Pressure (psig): 3.73

Canister Dilution Factor: 1.40

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.3	0.70	_
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆ + as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-004

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00988

Initial Pressure (psig): -1.38 Final Pressure (psig): 3.48

Canister Dilution Factor: 1.36

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	6.6	0.68	_
C ₂ as Ethane	ND	0.68	
C ₃ as Propane	ND	0.68	
C ₄ as n-Butane	ND	0.68	
C ₅ as n-Pentane	ND	0.68	
C ₆ as n-Hexane	ND	0.68	
C ₆ + as n-Hexane	ND	0.68	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: Porter Ranch Community School

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

ALS Project ID: P1600003

ALS Project ID: P1600003-005

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00983

Initial Pressure (psig): -1.09 Final Pressure (psig): 3.37

Canister Dilution Factor: 1.33

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.4	0.67	
C ₂ as Ethane	ND	0.67	
C ₃ as Propane	ND	0.67	
C ₄ as n-Butane	ND	0.67	
C ₅ as n-Pentane	ND	0.67	
C ₆ as n-Hexane	ND	0.67	
C ₆ + as n-Hexane	ND	0.67	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.3	

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

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

RESULTS OF ANALYSIS Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Holleigh Bernson Park

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

ALS Project ID: P1600003-006

Test Code: EPA TO-3 Modified Date Collected: 1/2/16
Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16
Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00978

Initial Pressure (psig): -1.52 Final Pressure (psig): 3.43

Canister Dilution Factor: 1.38

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.9	0.69	
C ₂ as Ethane	ND	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆ + as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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

RESULTS OF ANALYSIS Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates

ALS Project ID: P1600003

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

ALS Sample ID: P1600003-007

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00980

Initial Pressure (psig): -1.05 Final Pressure (psig): 3.86

Canister Dilution Factor: 1.36

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.5	0.68	
C ₂ as Ethane	ND	0.68	
C ₃ as Propane	ND	0.68	
C ₄ as n-Butane	ND	0.68	
C ₅ as n-Pentane	ND	0.68	
C ₆ as n-Hexane	ND	0.68	
C ₆ + as n-Hexane	ND	0.68	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-008

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00975

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.40

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	41	0.70	
C ₂ as Ethane	1.2	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆ + as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	2.3	1.4	

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: R-1 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
ALS Sample ID: P1600003-009

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00976

Initial Pressure (psig): -5.96 Final Pressure (psig): 3.36

Canister Dilution Factor: 2.07

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.5	1.0	
C ₂ as Ethane	ND	1.0	
C ₃ as Propane	ND	1.0	
C ₄ as n-Butane	ND	1.0	
C ₅ as n-Pentane	ND	1.0	
C ₆ as n-Hexane	ND	1.0	
C ₆ + as n-Hexane	ND	1.0	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	2.1	

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: SF-2/5 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-010

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00991

Initial Pressure (psig): -1.92 Final Pressure (psig): 4.52

Canister Dilution Factor: 1.50

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	4.9	0.75	_
C ₂ as Ethane	ND	0.75	
C ₃ as Propane	ND	0.75	
C ₄ as n-Butane	ND	0.75	
C ₅ as n-Pentane	ND	0.75	
C ₆ as n-Hexane	ND	0.75	
C ₆ + as n-Hexane	ND	0.75	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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: SF-1 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
ALS Sample ID: P1600003-011

Test Code: EPA TO-3 Modified Date Collected: 1/2/16
Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16
Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00992

Initial Pressure (psig): -2.17 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.44

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.3	0.72	_
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆ + as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: P-40 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-012

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00984

Initial Pressure (psig): -1.37 Final Pressure (psig): 3.97

Canister Dilution Factor: 1.40

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	9.4	0.70	
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆ + as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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

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Client: Southern California Gas Company

Client Sample ID: MA1-A ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
ALS Sample ID: P1600003-013

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00987

Initial Pressure (psig): -1.89 Final Pressure (psig): 3.29

Canister Dilution Factor: 1.40

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.3	0.70	_
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆ + as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: T-3 Low Road

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

ALS Project ID: P1600003-014

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00996

Initial Pressure (psig): -1.99 Final Pressure (psig): 3.43

Canister Dilution Factor: 1.43

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.0	0.72	_
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆ + as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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: T-3 High Road ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-015

Test Code: EPA TO-3 Modified Date Collected: 1/2/16
Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16
Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00990

Initial Pressure (psig): -1.94 Final Pressure (psig): 3.37

Canister Dilution Factor: 1.42

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.4	0.71	_
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆ + as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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 Ranch Estates 2

ALS Project ID: P1600003

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

ALS Sample ID: P1600003-016

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00973

Initial Pressure (psig): -1.50 Final Pressure (psig): 3.37

Canister Dilution Factor: 1.37

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	3.4	0.69	
C ₂ as Ethane	ND	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆ + as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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

RESULTS OF ANALYSIS Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Highlands 3 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-017

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00979

Initial Pressure (psig): -1.58 Final Pressure (psig): 3.43

Canister Dilution Factor: 1.38

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	61	0.69	_
C ₂ as Ethane	1.7	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆ + as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	3.4	1.4	

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: SS-3H ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
ALS Sample ID: P1600003-018

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00974

Initial Pressure (psig): -2.00 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.44

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	98	0.72	
C ₂ as Ethane	2.7	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆ + as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	5.5	1.4	

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

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

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Client: Southern California Gas Company

Client Sample ID: SS-09 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-019

Test Code: EPA TO-3 Modified Date Collected: 1/2/16 Instrument ID: HP5890 II/GC8/FID Date Received: 1/2/16 Analyst: Mike Conejo Date Analyzed: 1/2/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Container ID: AS00985

Initial Pressure (psig): -3.04 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.55

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	150	0.78	_
C ₂ as Ethane	4.3	0.78	
C ₃ as Propane	ND	0.78	
C ₄ as n-Butane	ND	0.78	
C ₅ as n-Pentane	ND	0.78	
C ₆ as n-Hexane	ND	0.78	
C ₆ + as n-Hexane	ND	0.78	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	8.6	1.6	

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

Client Project ID: P1600003

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

ALS Sample ID: P160102-MB

Test Code: EPA TO-3 Modified Date Collected: NA
Instrument ID: HP5890 II/GC8/FID Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/02/16

Sampling Media: 6.0 L Silonite Canister Volume(s) Analyzed: 1.0 ml(s)

Test Notes:

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	ND	0.50	
C ₂ as Ethane	ND	0.50	
C ₃ as Propane	ND	0.50	
C ₄ as n-Butane	ND	0.50	
C ₅ as n-Pentane	ND	0.50	
C ₆ as n-Hexane	ND	0.50	
C ₆ + as n-Hexane	ND	0.50	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

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

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

LABORATORY CONTROL SAMPLE SUMMARY Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Lab Control Sample

ALS Project ID: P1600003

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

ALS Sample ID: P160102-LCS

Test Code: EPA TO-3 Modified Date Collected: NA
Instrument ID: HP5890 II/GC8/FID Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/02/16

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	927	91	83-107	
Ethane	1,010	1,010	100	77-111	
Propane	1,010	1,010	100	78-110	
n-Butane	1,010	1,000	99	73-109	
n-Pentane	1,010	1,070	106	75-115	
n-Hexane	1.020	1.110	109	73-121	

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Porter Ridge Park

Client Project ID: P1600003

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

ALS Sample ID: P1600003-001

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00981

Initial Pressure (psig): -1.45 Final Pressure (psig): 3.89

Canister Dilution Factor: 1.40

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.24	0.14	0.076	0.044	_
108-88-3	Toluene	ND	0.70	ND	0.19	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Starter Set Preschool ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-002

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00977

Initial Pressure (psig): -2.39 Final Pressure (psig): 3.28

Canister Dilution Factor: 1.46

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.28	0.15	0.088	0.046	
108-88-3	Toluene	ND	0.73	ND	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.73	ND	0.17	
95-47-6	o-Xylene	ND	0.73	ND	0.17	

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: Castlebay Elementary School ALS Project ID: P1600003

Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-003

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00986

Initial Pressure (psig): -1.53 Final Pressure (psig): 3.73

Canister Dilution Factor: 1.40

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.28	0.14	0.087	0.044	
108-88-3	Toluene	ND	0.70	ND	0.19	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Highlands 2 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-004

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00988

Initial Pressure (psig): -1.38 Final Pressure (psig): 3.48

Canister Dilution Factor: 1.36

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.37	0.14	0.12	0.043	_
108-88-3	Toluene	ND	0.68	ND	0.18	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.68	ND	0.16	
95-47-6	o-Xylene	ND	0.68	ND	0.16	

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

RESULTS OF ANALYSIS

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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: P1600003-005

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00983

Initial Pressure (psig): -1.09 Final Pressure (psig): 3.37

Canister Dilution Factor: 1.33

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.48	0.13	0.15	0.042	
108-88-3	Toluene	ND	0.67	ND	0.18	
100-41-4	Ethylbenzene	ND	0.67	ND	0.15	
179601-23-1	m,p-Xylenes	ND	0.67	ND	0.15	
95-47-6	o-Xylene	ND	0.67	ND	0.15	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Holleigh Bernson Park

ALS Project ID: P1600003

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

ALS Sample ID: P1600003-006

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00978

Initial Pressure (psig): -1.52 Final Pressure (psig): 3.43

Canister Dilution Factor: 1.38

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.38	0.14	0.12	0.043	_
108-88-3	Toluene	ND	0.69	ND	0.18	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.69	ND	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates ALS Project ID: P1600003

Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-007

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00980

Initial Pressure (psig): -1.05 Final Pressure (psig): 3.86

Canister Dilution Factor: 1.36

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.49	0.14	0.15	0.043	_
108-88-3	Toluene	7.2	0.68	1.9	0.18	
100-41-4	Ethylbenzene	1.7	0.68	0.40	0.16	
179601-23-1	m,p-Xylenes	14	0.68	3.3	0.16	
95-47-6	o-Xylene	6.9	0.68	1.6	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Highlands 1 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-008

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00975

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.40

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	1.4	0.14	0.42	0.044	_
108-88-3	Toluene	1.6	0.70	0.43	0.19	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	0.82	0.70	0.19	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: R-1 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-009

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00976

Initial Pressure (psig): -5.96 Final Pressure (psig): 3.36

Canister Dilution Factor: 2.07

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.39	0.21	0.12	0.065	_
108-88-3	Toluene	ND	1.0	ND	0.27	
100-41-4	Ethylbenzene	ND	1.0	ND	0.24	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.24	
95-47-6	o-Xylene	ND	1.0	ND	0.24	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: SF-2/5 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-010

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00991

Initial Pressure (psig): -1.92 Final Pressure (psig): 4.52

Canister Dilution Factor: 1.50

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.35	0.15	0.11	0.047	
108-88-3	Toluene	ND	0.75	ND	0.20	
100-41-4	Ethylbenzene	ND	0.75	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.75	ND	0.17	
95-47-6	o-Xylene	ND	0.75	ND	0.17	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: SF-1 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-011

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00992

Initial Pressure (psig): -2.17 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.44

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	${f ppbV}$	ppbV	Qualifier
71-43-2	Benzene	0.28	0.14	0.087	0.045	_
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.17	
95-47-6	o-Xylene	ND	0.72	ND	0.17	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: P-40 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-012

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00984

Initial Pressure (psig): -1.37 Final Pressure (psig): 3.97

Canister Dilution Factor: 1.40

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.52	0.14	0.16	0.044	
108-88-3	Toluene	ND	0.70	ND	0.19	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: MA1-A ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-013

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00987

Initial Pressure (psig): -1.89 Final Pressure (psig): 3.29

Canister Dilution Factor: 1.40

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.27	0.14	0.086	0.044	
108-88-3	Toluene	ND	0.70	ND	0.19	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: T-3 Low Road ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-014

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00996

Initial Pressure (psig): -1.99 Final Pressure (psig): 3.43

Canister Dilution Factor: 1.43

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	\mathbf{ppbV}	ppbV	Qualifier
71-43-2	Benzene	0.27	0.14	0.085	0.045	_
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.16	
95-47-6	o-Xylene	ND	0.72	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: T-3 High Road ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-015

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00990

Initial Pressure (psig): -1.94 Final Pressure (psig): 3.37

Canister Dilution Factor: 1.42

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.28	0.14	0.087	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.71	ND	0.16	
95-47-6	o-Xylene	ND	0.71	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates 2 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-016

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00973

Initial Pressure (psig): -1.50 Final Pressure (psig): 3.37

Canister Dilution Factor: 1.37

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.30	0.14	0.094	0.043	_
108-88-3	Toluene	ND	0.69	ND	0.18	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.69	ND	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Highlands 3 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-017

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00979

Initial Pressure (psig): -1.58 Final Pressure (psig): 3.43

Canister Dilution Factor: 1.38

CAS#	Compound	Result	MRL	Result	MRL	Data
		μg/m³	$\mu g/m^3$	${f ppbV}$	ppbV	Qualifier
71-43-2	Benzene	1.9	0.14	0.58	0.043	_
108-88-3	Toluene	2.7	0.69	0.71	0.18	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	1.3	0.69	0.31	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: SS-3H ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-018

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00974

Initial Pressure (psig): -2.00 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.44

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	${f ppbV}$	ppbV	Qualifier
71-43-2	Benzene	3.1	0.14	0.98	0.045	
108-88-3	Toluene	5.4	0.72	1.4	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.17	
179601-23-1	m,p-Xylenes	2.8	0.72	0.65	0.17	
95-47-6	o-Xylene	0.75	0.72	0.17	0.17	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: SS-09 ALS Project ID: P1600003
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-019

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00985

Initial Pressure (psig): -3.04 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.55

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
71-43-2	Benzene	3.5	0.16	1.1	0.049	_
108-88-3	Toluene	5.3	0.78	1.4	0.21	
100-41-4	Ethylbenzene	ND	0.78	ND	0.18	
179601-23-1	m,p-Xylenes	2.9	0.78	0.66	0.18	
95-47-6	o-Xylene	ND	0.78	ND	0.18	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Method Blank

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

ALS Project ID: P1600003

ALS Sample ID: P160102-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS#	Compound	Result μg/m³	MRL μg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	0.10	ND	0.031	
108-88-3	Toluene	ND	0.50	ND	0.13	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Method Blank

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

ALS Project ID: P1600003

ALS Sample ID: P160102-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: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS#	Compound	Result μg/m³	MRL μg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	0.10	ND	0.031	
108-88-3	Toluene	ND	0.50	ND	0.13	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Method Blank

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

ALS Project ID: P1600003

ALS Sample ID: P160102-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA
Analyst: Lusine Hakobyan Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS#	Compound	Result	MRL	Result	MRL	Data
		μg/m³	μg/m³	ppbV	ppbV	Qualifier
71-43-2	Benzene	ND	0.10	ND	0.031	
108-88-3	Toluene	ND	0.50	ND	0.13	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	

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

SURROGATE SPIKE RECOVERY RESULTS

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Client: Southern California Gas Company

Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Project ID: P1600003

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date(s) Collected: 1/2/16

Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date(s) Received: 1/2/16

Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date(s) Analyzed: 1/2/16

Analyst: Simon Cao/Lusine Hakobyan/Wida Ang

Sample Type: 6.0 L Silonite Canister(s)

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	P160102-MB	99	102	98	70-130	
Method Blank	P160102-MB	89	105	102	70-130	
Method Blank	P160102-MB	103	99	102	70-130	
Lab Control Sample	P160102-LCS	96	99	100	70-130	
Lab Control Sample	P160102-LCS	84	102	104	70-130	
Lab Control Sample	P160102-LCS	101	98	103	70-130	
Porter Ridge Park	P1600003-001	97	102	100	70-130	
Starter Set Preschool	P1600003-002	97	102	100	70-130	
Castlebay Elementary School	P1600003-003	97	100	100	70-130	
Highlands 2	P1600003-004	99	100	100	70-130	
Porter Ranch Community School	P1600003-005	101	101	101	70-130	
Holleigh Bernson Park	P1600003-006	103	100	100	70-130	
Porter Ranch Estates	P1600003-007	108	96	101	70-130	
Porter Ranch Estates	P1600003-007DUP	102	98	101	70-130	
Highlands 1	P1600003-008	105	98	106	70-130	
Highlands 1	P1600003-008DUP	105	99	106	70-130	
R-1	P1600003-009	103	99	104	70-130	
SF-2/5	P1600003-010	103	98	104	70-130	
SF-1	P1600003-011	103	98	104	70-130	
P-40	P1600003-012	104	98	105	70-130	
MA1-A	P1600003-013	104	98	104	70-130	
T-3 Low Road	P1600003-014	104	98	105	70-130	
T-3 High Road	P1600003-015	89	103	106	70-130	
Porter Ranch Estates 2	P1600003-016	87	103	107	70-130	
Highlands 3	P1600003-017	87	102	107	70-130	
SS-3H	P1600003-018	86	103	107	70-130	
SS-09	P1600003-019	83	104	107	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: P1600003

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

ALS Sample ID: P160102-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/2/16

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	${f ppbV}$		Limits	Qualifier
71-43-2	Benzene	70.8	59.4	84	61-110	
108-88-3	Toluene	57.9	50.5	87	67-117	
100-41-4	Ethylbenzene	50.2	46.6	93	69-123	
179601-23-1	m,p-Xylenes	98.6	91.0	92	67-125	
95-47-6	o-Xylene	48.4	45.5	94	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.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Lab Control Sample

ALS Project ID: P1600003

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

ALS Sample ID: P160102-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: 1/2/16

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	${f ppbV}$		Limits	Qualifier
71-43-2	Benzene	70.8	61.9	87	61-110	
108-88-3	Toluene	57.9	52.9	91	67-117	
100-41-4	Ethylbenzene	50.2	46.8	93	69-123	
179601-23-1	m,p-Xylenes	98.6	91.5	93	67-125	
95-47-6	o-Xylene	48.4	44.1	91	67-124	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Lab Control Sample

ALS Project ID: P1600003

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

ALS Sample ID: P160102-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA
Analyst: Lusine Hakobyan Date Analyzed: 1/2/16

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	${f ppbV}$		Limits	Qualifier
71-43-2	Benzene	70.8	64.0	90	61-110	
108-88-3	Toluene	57.9	48.9	84	67-117	
100-41-4	Ethylbenzene	50.2	44.2	88	69-123	
179601-23-1	m,p-Xylenes	98.6	86.4	88	67-125	
95-47-6	o-Xylene	48.4	41.9	87	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.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates ALS Project ID: P1600003

Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-007DUP

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00980

Initial Pressure (psig): -1.05 Final Pressure (psig): 3.86

Canister Dilution Factor: 1.36

			Dupli	cate				
Compound	Sample	Result	Sample	Result	Average	% RPD	RPD	Data
	$\mu g/m^3$	ppbV	$\mu g/m^3$	ppbV	ppbV		Limit	Qualifier
Benzene	0.492	0.154	0.480	0.150	0.152	3	25	_
Toluene	7.23	1.92	7.41	1.97	1.945	3	25	
Ethylbenzene	1.74	0.400	1.73	0.399	0.3995	0.3	25	
m,p-Xylenes	14.5	3.33	14.5	3.34	3.335	0.3	25	
o-Xylene	6.89	1.59	6.86	1.58	1.585	0.6	25	

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

LABORATORY DUPLICATE SUMMARY RESULTS

Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Highlands 1 ALS Project ID: P1600003

Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600003-008DUP

Test Code: EPA TO-15 Date Collected: 1/2/16
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/2/16
Analyst: Simon Cao Date Analyzed: 1/2/16

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00975

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.38

Canister Dilution Factor: 1.40

			Dupli	cate				
Compound	Sample	Result	Sample	Result	Average	% RPD	RPD	Data
	$\mu g/m^3$	ppbV	μg/m³	ppbV	ppbV		Limit	Qualifier
Benzene	1.35	0.424	1.38	0.433	0.4285	2	25	
Toluene	1.62	0.431	1.69	0.449	0.44	4	25	
Ethylbenzene	ND	ND	ND	ND	-	-	25	
m,p-Xylenes	0.825	0.190	0.860	0.198	0.194	4	25	
o-Xylene	ND	ND	ND	ND	-	-	25	

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



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LABORATORY REPORT

January 3, 2016

Glen La Fever Southern California Gas Company P.O. Box 513249 Los Angeles, CA 90051

RE: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Dear Glen:

Enclosed are the results of the samples submitted to our laboratory on January 2, 2016. For your reference, these analyses have been assigned our service request number P1600004.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 1:10 pm, Jan 03, 2016

Sue Anderson Project Manager



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www.alsqlobal.com

Client: Southern California Gas Company Service Request No: P1600004

Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 2, 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.

Sulfur Analysis

The samples were analyzed for seven sulfur compounds and total reduced sulfur as hydrogen sulfide (TRS as H₂S) 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. The results for TRS as H₂S were determined by obtaining the total response for all chromatographic peaks and quantitating the value against the initial calibration curve for hydrogen sulfide thus generating a result specified as "Total Reduced Sulfur as Hydrogen Sulfide". This method is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP or AlHA-LAP accreditation.

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

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



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F: +1 805 526 7270 www.alsglobal.com

ALS Environmental - Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L15-398
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oga/	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.

DETAIL SUMMARY REPORT

Client: Southern California Gas Company Service Request: P1600004

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

Date Received: 1/2/2016 Time Received: 09:40 5504-12 - Sulfur Bag

					, C	\Box
			Date	Time		Σ
Client Sample ID	Lab Code	Matrix	Collected	Collected	\(\frac{\darkarray}{\darkarray} \)	AS
Porter Ridge Park	P1600004-001	Air	1/2/2016	05:40	X	X
Starter Set Preschool	P1600004-002	Air	1/2/2016	05:23	X	X
Castlebay Elementary School	P1600004-003	Air	1/2/2016	05:05	X	X
Highlands 2	P1600004-004	Air	1/2/2016	04:44	X	X
Porter Ranch Community School	P1600004-005	Air	1/2/2016	03:00	X	X
Holleigh Bernson Park	P1600004-006	Air	1/2/2016	03:18	X	X
Porter Ranch Estates	P1600004-007	Air	1/2/2016	03:35	X	X
Highlands 1	P1600004-008	Air	1/2/2016	04:10	X	X
R-1	P1600004-009	Air	1/2/2016	07:59	X	X
SF-2/5	P1600004-010	Air	1/2/2016	07:27	X	X
SF-1	P1600004-011	Air	1/2/2016	07:08	X	X
P-40	P1600004-012	Air	1/2/2016	06:47	X	X
MA1-A	P1600004-013	Air	1/2/2016	06:18	X	X
T-3 Low Road	P1600004-014	Air	1/2/2016	02:35	X	X
T-3 High Road	P1600004-015	Air	1/2/2016	02:17	X	X
Porter Ranch Estates 2	P1600004-016	Air	1/2/2016	03:52	X	X
Highlands 3	P1600004-017	Air	1/2/2016	04:27	X	X
SS-3H	P1600004-018	Air	1/2/2016	01:41	X	X
SS-09	P1600004-019	Air	1/2/2016	01:26	X	X

Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A Simi Valley, California 93065 Phone (805) 526-7161 Fax (805) 526-7270

ALS)	Simi Valley, California 93065	California 93		T between				-				
	Fax (805) 526-7270	6-7270	7	1 Day (100%)	Neducation in the Information of	y (50%) 4 Day	's (Surcharge (35%) 5 Day	s) please circ (25 <u>%</u>) 10 Day	le Standard	ALS Project No	P1600004	1
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Company Name & Address (Reporting Information)	птогтнатоп)			Project Name						Sue Anderson		
AIRKINETICS, INC	ICS, INC.			SOUTI	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION	4 GAS - ALISO	CANYON STA	VIION	An	Analysis Method	po	
1308 S. Allec Street Anaheim, CA 92805	llec Street CA 92805			Project Number 14424					OWN	ulfur		
Project Manager				P.O. # / Billing Information	Information				NĐT.	(SZ) (eq al		
Phone	BUI Eav								8 9	H. Hec		
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Email Address for Result Reporting				Sampler (Print & Sign)	Sign)	11	6		pə	r-1>(ΙΤ ,8	(x	or specific instructions
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Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister (Start Pressure "Hg	Canister End Pressure "Hg/psig	Media Sample- Volume	TO-3 mosths	MTSA nuoqmoo	B) 81-01	
Porter Ridge Park	(0)	01/02/16	0530	NA	N/	N	NA	Tedlar Bag		×		
Starter Set Preschool	(P)	01/02/16	0513. 0523	NA	NA	NA	NA	Tedlar Bag		×		
Castlebay Elementary School	®	01/02/16	0455- 0505	NA	NA	NA	N.	Tediar Bag		×		
Highlands 2	(P)	01/02/16	0434- 0444	NA	NA	AN	Ą	Tedlar Bag		×		
Porter Ranch Community School	@	01/02/16	0250- 0 500	NA	ΝΑ	NA	NA	Tedlar Bag		×		
Holleigh Bernson Park	<u>_</u>	01/02/16	03080	W	NA	NA	NA	Tedlar Bag		×		
Porter Ranch Estates	0	01/02/16	0325	Ā	NA	NA	NA	Tedlar Bag		×		
Highlands 1	<u>@</u>	01/02/16	0400- 0410	¥	NA	NA	NA	Tedlar Bag		×		
R-1	<u>©</u>	01/02/16	0749- 0759	¥	NA	NA	NA	Tediar Bag		×		
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SF-1	<u></u>	01/02/16	0658-	A	W	NA	NA	Tedlar Bag		×		
P-40	©	01/02/16	0637-	¥	NA	NA	NA	Tedlar Bag		×		
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Air - Chain of Custody Record & Analytical Service Request

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SON BUILD Project Name Project	(ALS)	Phone (805) 526-7161 Fax (805) 526-7270	526-7161 26-7270		Requested Ti	Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (35%) 40 Day	n Business Da	ss Days (Surcharge 4 Day (35%) 5 Day	s) please cir	se circle	ALS Project	ALS Project No.	1
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Project Manager SON BUI		, CA 92805			14424								
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Please see Kelly Horiuchi for distribution list.	(714) 254-1945 Email Address for Result Reporting	(714) 956-23	220	ļ		, Sign)			1			(or specific
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Highlands 3	Porter Ranch Estates 2	9	01/02/16	23550	W	N A	¥	¥N	Tediar Bag		×		
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Report Tier Levels - please select specified) Tier III (Results + QC & Calibration Summaries) = EDD required (Yes) / No Tier IV (Data Validation Package) 10% Surcharge Type: Date: Time: Received by: (Signature)													
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Tier IV (Data Validation Package) 10% Surcharge Type: Date: Time: Received by: (Signature)	Report Tie - Results (Default if not specified)	ier Levels - plea Tier III (ase select	& Calibration	(Summarion)	EDD monitred 6							
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ALS Environmental

		fornia Gas Company	•	vov sm. mvo			P1600004			
	s) received on:	CALIFORNIA GAS -	ALISO CAN			1/2/16	hrvi	KHOR	шсш	
Sample	s) received on.	1/2/10			Date opened:	1/2/10	by:	KHUK	шспі	
<i>Note:</i> This	form is used for all	samples received by ALS.	The use of this fo	orm for custody so	eals is strictly mo	eant to indicate presen	ce/absence and no	ot as an in	dication	of
ompliance	or nonconformity.	Thermal preservation and	pH will only be e	valuated either at	the request of th	e client and/or as requ	ired by the metho	d/SOP.		
								<u>Yes</u>	<u>No</u>	<u>N/A</u>
1	_	containers properly n		ent sample ID	?			X		
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	ontainer 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 holdin	g times?					X		
7	Was proper te	mperature (thermal p	oreservation) o	f cooler at rec	eipt adhered t	to?				X
		•	ŕ		•					
8	Were custody	seals on outside of co	ooler/Box/Con	tainer?						X
		Location of seal(s)?					Sealing Lid?			X
	Were signature	e and date included?					beaming Era.			X
	Were seals int									X
9		rs have appropriate p r	ocorrection of	ecording to me	thod/SOD or	Client enecified in	nformation?			\boxtimes
7		nt indication that the s		•		Chefit specified in	mormanon:			\boxtimes
		int indication that the s ials checked for prese	-		eserveu?					\boxtimes
					1 77 1					
		t/method/SOP require	-		mple pH and	if necessary after	1t?			\boxtimes
10	Tubes:	Are the tubes capp								X
11	Badges:	Are the badges pr	operly capped	and intact?						X
		Are dual bed badg	ges separated a	ınd individuall	y capped and	intact?				X
Lab	Sample ID	Container	Required	Received	Adjusted	VOA Headspace	Receir	ot / Pres	ervatior	1
		Description	pH *	pН	pН	(Presence/Absence)		Commer	nts	
P1600004	4-001.01	1 L Zefon Bag								
P1600004		1 L Zefon Bag								
P1600004	4-003.01	1 L Zefon Bag								
P1600004		1 L Zefon Bag								
21600004		1 L Zefon Bag								
P1600004		1 L Zefon Bag								
21600004 21600004		1 L Zefon Bag								
P1600002		1 L Zefon Bag 1 L Zefon Bag								
21600004		1 L Zefon Bag								
21600004		1 L Zefon Bag								
P1600004		1 L Zefon Bag								
P1600004	1-013.01	1 L Zefon Bag								
P1600004		1 L Zefon Bag								
P1600004	4-015.01	1 L Zefon Bag				<u> </u>				
Explair	n any discrepanci	ies: (include lab sample	ID numbers):							

ALS Environmental Sample Acceptance Check Form

Client: Southern California Gas Company	Work order:	P1600004	
Project: SOUTHERN CALIFORNIA GAS - ALISO CANY	ON STATION / 14424		
Sample(s) received on: 1/2/16	Date opened: 1/2/16	by:	KHORIUCHI

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600004-016.01	1 L Zefon Bag					
P1600004-017.01	1 L Zefon Bag					
P1600004-018.01	1 L Zefon Bag					
P1600004-019.01	1 L Zefon Bag					
				<u> </u>		
			<u> </u>	<u> </u>		

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

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

RESULTS OF ANALYSIS Page 1 of 1

Client: Southern California Gas Company

Client Sample ID: Porter Ridge Park ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-001

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Time Collected: 05:40 Date Received: 1/2/16 Date Analyzed: 1/2/16

Time Analyzed: 11:08

Date Collected: 1/2/16

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result μg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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

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Client: Southern California Gas Company

Client Sample ID: Starter Set Preschool ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-002

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Time Collected: 05:23 Date Received: 1/2/16

Date Analyzed: 1/2/16 Time Analyzed: 11:24

Date Collected: 1/2/16

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result μg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: Castlebay Elementary School

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

ALS Sample ID: P1600004-003

Test Code: ASTM D 5504-12 Date Collected: 1/2/16

Instrument ID: Agilent 7890A/GC22/SCD Time Collected: 05:05

Analyst: Mike Conejo Date Received: 1/2/16

Sample Type: 1 L Zefon Bag Date Analyzed: 1/2/16

Test Notes: Time Analyzed: 11:39

Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result μg/m³	MRL μg/m³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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 ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-004

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Date Received: 1/2/16
Sample Type: 1 L Zefon Bag Date Analyzed: 1/2/16
Test Notes: Time Analyzed: 11:58

Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	ND	2.5	

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

Date Collected: 1/2/16

Time Collected: 04:44

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 Company

Client Sample ID: Porter Ranch Community School

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

ALS Sample ID: P1600004-005

Test Code: ASTM D 5504-12 Date Collected: 1/2/16

Instrument ID: Agilent 7890A/GC22/SCD Time Collected: 03:00
Analyst: Mike Conejo Date Received: 1/2/16
Sample Type: 1 L Zefon Bag Date Analyzed: 1/2/16

Test Notes: Time Analyzed: 12:16
Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result μg/m³	$\begin{array}{c} MRL \\ \mu g/m^3 \end{array}$	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: Holleigh Bernson Park ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-006

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Time Collected: 03:18 Date Received: 1/2/16 Date Analyzed: 1/2/16

Time Analyzed: 12:31

Date Collected: 1/2/16

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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 Ranch Estates

ALS Project ID: P1600004

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

ALS Sample ID: P1600004-007

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

agilent 7890A/GC22/SCD

Date Received: 1/2/16 Date Analyzed: 1/2/16 Time Analyzed: 12:47

Date Collected: 1/2/16

Time Collected: 03:35

Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result μg/m³	$MRL \ \mu g/m^3$	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hudrogen Culfide	ND	7.0	ND	5.0	Quanner
	Hydrogen Sulfide	ND	7.0	ND		
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: Highlands 1 ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Aguent /890A/GC22/SCD

Mike Conejo

Date Analyzed: 1/2/16 Time Analyzed: 13:05

Volume(s) Analyzed: 2.0 ml(s)

Date Collected: 1/2/16

Date Received: 1/2/16

Time Collected: 04:10

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	ND	2.5	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: R-1 ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-009

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Date Received: 1/2/16 Date Analyzed: 1/2/16 Time Analyzed: 13:25

Time Collected: 07:59

Date Collected: 1/2/16

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: SF-2/5 ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-010

Test Code: ASTM D 5504-12

Instrument ID:

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/2/16 Agilent 7890A/GC22/SCD Time Collected: 07:27

Date Received: 1/2/16 Date Analyzed: 1/2/16

Time Analyzed: 13:42

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result μg/m³	MRL μg/m³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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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Southern California Gas Company

Client Sample ID: SF-1 ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-011

Test Code: ASTM D 5504-12

Client:

Instrument ID: Agilent 7890A/GC22/SCD Time Collected: 07:08

Analyst: Mike Conejo Date Received: 1/2/16

Sample Type: 1 L Zefon Bag Date Analyzed: 1/2/16

Test Notes:

Time Analyzed: 14:44

Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	ND	2.5	

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

Date Collected: 1/2/16

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: P-40 ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-012

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Ignent /890A/GC22/SCD

Date Received: 1/2/16 Date Analyzed: 1/2/16 Time Analyzed: 15:00

Time Collected: 06:47

Date Collected: 1/2/16

Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result	MRL	Result	MRL	Data
		μg/m³	μg/m³	${f ppbV}$	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: MA1-A ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-013

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type:

Test Notes:

Time Collected: 06:18 Date Received: 1/2/16 1 L Zefon Bag Date Analyzed: 1/2/16

Time Analyzed: 15:15

Date Collected: 1/2/16

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result µg/m³	$\begin{array}{c} MRL \\ \mu g/m^3 \end{array}$	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: T-3 Low Road ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-014

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Time Collected: 02:35
Date Received: 1/2/16
Date Analyzed: 1/2/16

Date Collected: 1/2/16

Time Analyzed: 15:34
Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result µg/m³	MRL μg/m³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: T-3 High Road ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-015

Test Code: ASTM D 5504-12 Date Collected: 1/2/16

Instrument ID: Agilent 7890A/GC22/SCD Time Collected: 02:17

Analyst: Mike Conejo Date Received: 1/2/16

Sample Type: 1 L Zefon Bag Date Analyzed: 1/2/16

Test Notes: Time Analyzed: 15:50
Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result µg/m³	$MRL \ \mu g/m^3$	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	Quanner
		ND ND			5.0	
463-58-1	Carbonyl Sulfide		12	ND		
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	ND	2.5	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: Porter Ranch Estates 2 ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-016

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type:

Test Notes:

Time Collected: 03:52 Date Received: 1/2/16 1 L Zefon Bag Date Analyzed: 1/2/16

> Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

Time Analyzed: 16:08

Date Collected: 1/2/16

CAS#	Compound	Result µg/m³	$MRL \ \mu g/m^3$	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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 Company

Client Sample ID: Highlands 3 ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-017

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Mika Consio

Date Analyzed: 1/2/16 Time Analyzed: 16:23

Volume(s) Analyzed: 2.0 ml(s)

Date Collected: 1/2/16

Date Received: 1/2/16

Time Collected: 04:27

CAS#	Compound	Result μg/m³	MRL μg/m³	Result ppbV	MRL ppbV	Data Qualifier
7702.06.4	II. 1 C 1C 1.					Quanner
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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: SS-3H ALS Project ID: P1600004
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-018

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo
Sample Type: 1 L Zefon Bag

Test Notes:

Time Analyzed: 16:41 Volume(s) Analyzed: 2.0 ml(s)

Date Collected: 1/2/16

Date Received: 1/2/16

Date Analyzed: 1/2/16

Time Collected: 01:41

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	${f ppbV}$	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	ND	2.5	

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

RESULTS OF ANALYSIS

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Client: Southern California Gas Company

Client Sample ID: SS-09 ALS Project ID: P1600004 Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Sample ID: P1600004-019

Test Code: ASTM D 5504-12

Instrument ID:

Analyst: Mike Conejo Sample Type: 1 L Zefon Bag

Test Notes:

Agilent 7890A/GC22/SCD Time Collected: 01:26

Date Received: 1/2/16 Date Analyzed: 1/2/16

Date Collected: 1/2/16

Time Analyzed: 17:01

Volume(s) Analyzed: $2.0 \, \text{ml(s)}$

CAS#	Compound	Result μg/m³	$\begin{array}{c} MRL \\ \mu g/m^3 \end{array}$	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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 Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Project ID: P1600004

Total Reduced Sulfur as Hydrogen Sulfide

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD Date(s) Collected: 1/2/16
Analyst: Mike Conejo Date Received: 1/2/16
Sample Type: 1 L Zefon Bag(s) Date Analyzed: 1/2/16

Test Notes:

		Injection						
Client Sample ID	ALS Sample ID	Volume	Time	Result	MRL	Result	MRL	Data
		ml(s)	Analyzed	μg/m³	$\mu g/m^3$	ppbV	ppbV	Qualifier
Porter Ridge Park	P1600004-001	2.0	11:08	ND	7.0	ND	5.0	
Starter Set Preschool	P1600004-002	2.0	11:24	ND	7.0	ND	5.0	
Castlebay Elementary School	P1600004-003	2.0	11:39	ND	7.0	ND	5.0	
Highlands 2	P1600004-004	2.0	11:58	ND	7.0	ND	5.0	
Porter Ranch Community School	P1600004-005	2.0	12:16	ND	7.0	ND	5.0	
Holleigh Bernson Park	P1600004-006	2.0	12:31	ND	7.0	ND	5.0	
Porter Ranch Estates	P1600004-007	2.0	12:47	ND	7.0	ND	5.0	
Highlands 1	P1600004-008	2.0	13:05	ND	7.0	ND	5.0	
R-1	P1600004-009	2.0	13:25	ND	7.0	ND	5.0	
SF-2/5	P1600004-010	2.0	13:42	ND	7.0	ND	5.0	
SF-1	P1600004-011	2.0	14:44	ND	7.0	ND	5.0	
P-40	P1600004-012	2.0	15:00	ND	7.0	ND	5.0	
MA1-A	P1600004-013	2.0	15:15	ND	7.0	ND	5.0	
T-3 Low Road	P1600004-014	2.0	15:34	ND	7.0	ND	5.0	
T-3 High Road	P1600004-015	2.0	15:50	ND	7.0	ND	5.0	
Porter Ranch Estates 2	P1600004-016	2.0	16:08	ND	7.0	ND	5.0	_
Highlands 3	P1600004-017	2.0	16:23	ND	7.0	ND	5.0	
SS-3H	P1600004-018	2.0	16:41	ND	7.0	ND	5.0	
SS-09	P1600004-019	2.0	17:01	ND	7.0	ND	5.0	
Method Blank	P160102-MB	2.0	10:01	ND	7.0	ND	5.0	

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
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
ALS Sample ID: P160102-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo Date Received: NA
Sample Type: 1 L Zefon Bag Date Analyzed: 1/02/16

Test Notes: Time Analyzed: 10:01
Volume(s) Analyzed: 2.0 ml(s)

CAS#	Compound	Result	MRL	Result	MRL	Data
		$\mu g/m^3$	$\mu g/m^3$	ppbV	ppbV	Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	_
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	4.9	ND	2.5	
75-08-1	Ethyl Mercaptan	ND	6.4	ND	2.5	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-66-1	tert-Butyl Mercaptan	ND	9.2	ND	2.5	
110-01-0	Tetrahydrothiophene	ND	9.0	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.

Date Collected: NA

Time Collected: NA

LABORATORY CONTROL SAMPLE SUMMARY

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Client: Southern California Gas Company

Client Sample ID: Lab Control Sample

ALS Project ID: P1600004

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

ALS Sample ID: P160102-LCS

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 7890A/GC22/SCD Date Received: NA
Analyst: Mike Conejo Date Analyzed: 1/02/16

Sample Type: 1 L Zefon Bag Volume(s) Analyzed: NA ml(s)

Test Notes:

					ALS	
CAS#	Compound	Spike Amount	Result	% Recovery	Acceptance	Data
		ppbV	${f ppbV}$		Limits	Qualifier
7783-06-4	Hydrogen Sulfide	1,000	1,180	118	65-138	
463-58-1	Carbonyl Sulfide	1,000	1,120	112	60-135	
74-93-1	Methyl Mercaptan	1,000	1,120	112	57-140	