

LABORATORY REPORT

January 2, 2016

Ruth Custance GeoSyntec Consultants 924 Anacapa Street Suite 4A Santa Barbara, CA 93101

RE: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

Dear Ruth:

Enclosed are the results of the samples submitted to our laboratory on January 1, 2016. For your reference, these analyses have been assigned our service request number P1600001.

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

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

Respectfully submitted,

ALS | Environmental

Kelluth

For Sue Anderson Project Manager



Client:GeoSyntec ConsultantsService Request No:P1600001Project:SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 1, 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 AIHA-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 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.



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/EnvironmentalLaborat oryAccreditation/Pages/index.aspx	4068-001
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/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 <u>www.alsglobal.com</u>, or at the accreditation body's website.

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

DETAIL SUMMARY REPORT

04-12 - Sulfur Bag

Client: Service Request: P1600001 GeoSyntec Consultants Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

Date Received: 1/1/2016 Time Received: 10:08

					222
			Date	Time	ASTMD
Client Sample ID	Lab Code	Matrix	Collected	Collected	AS
Porter Ridge Park	P1600001-001	Air	1/1/2016	06:30	Х
Starter Set Preschool	P1600001-002	Air	1/1/2016	06:10	Х
Castlebay Elementary School	P1600001-003	Air	1/1/2016	05:44	Х
Highlands 2	P1600001-004	Air	1/1/2016	05:21	Х
Porter Ranch Community School	P1600001-005	Air	1/1/2016	03:10	Х
Holleigh Bernson Park	P1600001-006	Air	1/1/2016	03:30	Х
Porter Ranch Estates	P1600001-007	Air	1/1/2016	03:54	Х
Highlands 1	P1600001-008	Air	1/1/2016	04:40	Х
R-1	P1600001-009	Air	1/1/2016	08:59	Х
SF-2/5	P1600001-010	Air	1/1/2016	08:24	Х
SF-1	P1600001-011	Air	1/1/2016	08:00	Х
P-40	P1600001-012	Air	1/1/2016	07:39	Х
MA1-A	P1600001-013	Air	1/1/2016	07:10	Х
T-3 Low Road	P1600001-014	Air	1/1/2016	02:45	Х
T-3 High Road	P1600001-015	Air	1/1/2016	02:23	Х
Porter Ranch Estates 2	P1600001-016	Air	1/1/2016	04:16	Х
Highlands 3	P1600001-017	Air	1/1/2016	05:00	Х
SS-3H	P1600001-018	Air	1/1/2016	01:45	Х
SS-09	P1600001-019	Air	1/1/2016	01:26	Х

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Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A	Simi Valley, California 93065

(ALS)	Phone (805) 526-7161	526-7161		Requested Tr	Requested Turnaround Time In Business Days (Surcharnes) please circle	Business Dav	s (Surcharoe	s) nlasea circ	ſ	ALS Drojact N		
	Fax (805) 526-7270	6-7270		1 Day (100%) 2 Day (75%)		3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard	(35%) 5 Day	(25%) 10 Day	standard	Pleocoo	1000	
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Company Name & Address (Reporting Information)	Information)			Project Name					s	Sue Anderson		
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Email Address for Result Reporting				Sampler (Print & Sign)	Sign)	11		1		r-40 7 & T	(x	instructions
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Starter Set Preschool	200-	01-01-10	0600-	NA	NA	NA	NA	Tedlar Bag		×		
Castlebay Elementary School	200-	01-10-10	0534-	NA	NA	NA	NA	Tedlar Bag		×		
Highlands 2	400-	01-01-16	0521-1	NA	NA	NA	NA	Tedlar Bag		×		
Porter Ranch Community School	Soo	91-01-10	0300-	NA	NA	NA	NA	Tedlar Bag		×		
Holleigh Bernson Park	-000	01-10-10	0320- 0350	NA	NA	NA	NA	Tedlar Bag		×		
Porter Ranch Estates	-00-	01-01-16	0344-	NA	NA	NA	NA	Tedlar Bag		×		
Highlands 1	-008-	01-10-10	0430 - 0440	NA	NA	NA	NA	Tedlar Bag		×		
R-1	000	01-01-16	0849. 0859	NA	NA	NA	NA	Tedlar Bag		×		
SF-2/5	00	01-01-16	0814-	NA	NA	NA	NA	Tedlar Bag		×		
SF-1	110-	01-01-10	-9510	NA	NA	NA	NA	Tedlar Bag		×		
P-40	2013	91-10-10	0729-	NA	NA	NA	NA	Tedlar Bag		×		
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Report Tier Trer I- Results (Default if not specified) Trer II (Results + QC Summaries) X	Report Tier Levels - please select ectified) Tier III (Results + Q s) X Tier IV (Data Valid	 - please select Ter II (Results + QC & Calibration Ter IV (Data Validation Package) 	. & Calibration ion Package)	s - please select Tier III (Results + QC & Calibration Summaries) EDD n Tier IV (Data Validation Package) 10% Surcharge Type:.	EDD required Yes	s)/ No Units:_		Chain of Cust INTACT E	Chain of Custody Seal: (Circle) INTACT BROKEN ABSE	Circle) ABSENT		
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Page 2 of 2 Air - Chain of Custody Record & Analytical Service Request

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ALS Environmental Sample Acceptance Check Form

			-		Work order:	P1600001			
t: SOUTHERN (CALIFORNIA GAS-	ALISO CANY	ON / 14424						
e(s) received on:	1/1/16]	Date opened:	1/1/16	by:	KAGU	ILERA	
s form is used for <u>all</u>	samples received by ALS.	The use of this f	orm for custody se	als is strictly me	eant to indicate prese	nce/absence and r	iot as an ii	ndication	of
e or nonconformity.	Thermal preservation and	pH will only be e	valuated either at	the request of the	e client and/or as req	uired by the meth	od/SOP.		
							Yes	<u>No</u>	<u>N/A</u>
Were sample of	containers properly n	narked with cli	ient sample ID	?			X		
Did sample co	ontainers arrive in go	od condition?					X		
Were chain-of	f-custody papers used	and filled out	?				X		
Did sample co	ntainer labels and/or	r tags agree wi	th custody pap	ers?			X		
Was sample v	olume received adequ	ate for analys	is?				X		
Are samples w	ithin specified holdin	g times?					X		
1	1	6	f cooler at rece	eipt adhered t	o?				\mathbf{X}
1 1		,		1					
Were custody	seals on outside of co	ooler/Box/Con	tainer?					X	
	Location of seal(s)?					Sealing Lid?			\mathbf{X}
Were signature	e and date included?					_			X
Were seals intact?									X
									\mathbf{X}
			•		1				X
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	Are dual bed bad	ges separated a	and individuall	y capped and	intact?				X
o Sample ID	Container	Required	Received	Adjusted	VOA Headspace	e Recei	pt / Pres	ervatior	ı
	Description	pH *	pH	pH	(Presence/Absence		-		
	t: SOUTHERN (e(s) received on: s form is used for all e or nonconformity. Were sample (Did sample co Were chain-of Did sample co Was sample v Are samples w Was proper te: Were custody Were signature Were seals inta Do containe: Is there a clien Were <u>VOA vi</u> Does the clien Tubes: Badges:	e(s) received on: 1/1/16 s form is used for all samples received by ALS. e or nonconformity. Thermal preservation and Were sample containers properly m Did sample containers arrive in good Were chain-of-custody papers used Did sample container labels and/or Was sample container labels and/or Was sample volume received adequation Are samples within specified holdin Was proper temperature (thermal preservation of seal(s)? Were signature and date included? Were seals intact? 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Do containers have appropriate preservation, are Is there a client indication that the submitted samp Were <u>VOA vials</u> checked for presence/absence or Does the client/method/SOP require that the analy Tubes: Are the tubes capped and intact? Badges: Are the badges properly capped Are dual bed badges separated a	E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424 e(s) received on: 1/1/16 s form is used for all samples received by ALS. The use of this form for custody see e or nonconformity. Thermal preservation and pH will only be evaluated either at the were sample containers properly marked with client sample ID Did sample containers arrive in good condition? Were chain-of-custody papers used and filled out? Did sample container labels and/or tags agree with custody pap Was sample volume received adequate for analysis? Are samples within specified holding times? Was proper temperature (thermal preservation) of cooler at received adequate for cooler/Box/Container? Location of seal(s)? Were seals intact? Do containers have appropriate preservation, according to me Is there a client indication that the submitted samples are pH preservation? Does the client/method/SOP require that the analyst check the sa Tubes: Are the badges properly capped and intact? Badges: Are the badges properly capped and intact? Are dual bed badges separated and individuall	E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424 z(s) received on: 1/1/16 Date opened: as form is used for <u>all</u> samples received by ALS. The use of this form for custody seals is strictly me or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the Were sample containers properly marked with client sample ID? Did sample containers arrive in good condition? Were chain-of-custody papers used and filled out? Did sample container labels and/or tags agree with custody papers? Was sample volume received adequate for analysis? Are samples within specified holding times? Was proper temperature (thermal preservation) of cooler at receipt adhered to the Were seals intact? Location of seal(s)? Were seals intact? Do containers have appropriate preservation, according to method/SOP or Is there a client indication that the submitted samples are pH preserved? Were <u>VOA vials</u> checked for presence/absence of air bubbles? Does the client/method/SOP require that the analyst check the sample pH and Tubes: Are the budges properly capped and intact? Badges: Are the budges properly capped and intact? Are dual bed badges separated and individually capped and indindindividually capped and individually capped	E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424 c(s) received on: 1/1/16 Date opened: 1/1/16 b(s) received on: 1/1/16 Date opened:	E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424 (s) received on: 1/1/16 Date opened: 1/1/16 by: s form is used for <u>all</u> samples received by ALS. 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Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? Tubes: Are the tubes capped and intact? Badges: Are the badges properly capped and intact? Badges: Are the badges properly capped and intact?	E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424 (s) received on: 1/1/16 by: KAGU (s) received on: 1/1/16 by: KAGU s form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an in e or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP. Yees Were sample containers properly marked with client sample ID? Xi Did sample containers arrive in good condition? Xi Xi Were chain-of-custody papers used and filled out? Xi Xi Did sample container labels and/or tags agree with custody papers? Xi Xi Was sample volume received adequate for analysis? Xi Xi Are samples within specified holding times? Xi Xi Was proper temperature (thermal preservation) of cooler at receipt adhered to? Image: Sealing Lid? Image: Sealing Lid? Were signature and date included? Sealing Lid? Image: Sealing Lid? </td <td>E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424 </td>	E: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

Lab Sample ID	Container	Required	Received	Adjusted	VOA Headspace	Receipt / Preservation
	Description	pH *	pH	pН	(Presence/Absence)	Comments
P1600001-001.01	1 L Zefon Bag					
P1600001-002.01	1 L Zefon Bag					
P1600001-003.01	1 L Zefon Bag					
P1600001-004.01	1 L Zefon Bag					
P1600001-005.01	1 L Zefon Bag					
P1600001-006.01	1 L Zefon Bag					
P1600001-007.01	1 L Zefon Bag					
P1600001-008.01	1 L Zefon Bag					
P1600001-009.01	1 L Zefon Bag					
P1600001-010.01	1 L Zefon Bag					
P1600001-011.01	1 L Zefon Bag					
P1600001-012.01	1 L Zefon Bag					
P1600001-013.01	1 L Zefon Bag					
P1600001-014.01	1 L Zefon Bag					
P1600001-015.01	1 L Zefon Bag					

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

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

ALS Environmental Sample Acceptance Check Form

Client: GeoSyntec Consultants Project: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

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

Work order:

Date opened: 1/1/16

P1600001

by:

KAGUILERA

Lab Sample ID	Container	Required	Received	Adjusted	VOA Headspace	Receipt / Preservation
	Description	pH *	pН	pH	(Presence/Absence)	Comments
P1600001-016.01	1 L Zefon Bag					
P1600001-017.01	1 L Zefon Bag					
P1600001-018.01	1 L Zefon Bag					
P1600001-019.01	1 L Zefon Bag					
				-		

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

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

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:Porter Ridge ParkALClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424AL

ALS Project ID: P1600001 ALS Sample ID: P1600001-001

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 06:30
Analyst:	Wade Henton	Date Received: 1/1/16
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16
Test Notes:		Time Analyzed: 10:37
		Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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 Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:Starter Set PreschoolALS IClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION/14424ALS I

ALS Project ID: P1600001 ALS Sample ID: P1600001-002

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 06:10		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 10:58		
		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.

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:Castlebay Elementary SchoolClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P1600001-003

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 05:44		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 11:14		
		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.

RESULTS OF ANALYSIS Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	Highlands 2	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-004

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 05:21
Analyst:	Wade Henton	Date Received: 1/1/16
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16
Test Notes:		Time Analyzed: 11:31
		Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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 Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:Porter Ranch Community SchoolClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P1600001-005

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 03:10		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 11:49		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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 Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:Holleigh Bernson ParkClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P1600001-006

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 03:30		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 12:08		
		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:GeoSyntec ConsultantsClient Sample ID:Porter Ranch EstatesClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P1600001-007

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 03:54		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 12:27		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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 Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	Highlands 1	ALS Pro
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sar

ALS Project ID: P1600001 ALS Sample ID: P1600001-008

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 04:40		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 12:48		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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 Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	R-1	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-009

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 08:59		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 13:07		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/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 Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	SF-2/5	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-010

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 08:24		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 13:24		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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 Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	SF-1	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-011

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 08:00		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 13:54		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/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:	GeoSyntec Consultants	
Client Sample ID:	P-40	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-012

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 07:39		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 14:10		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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:	GeoSyntec Consultants	
Client Sample ID:	MA1-A	ALS I
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS S

ALS Project ID: P1600001 ALS Sample ID: P1600001-013

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 07:10		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 14:32		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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:GeoSyntec ConsultantsClient Sample ID:T-3 Low RoadALSClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS

ALS Project ID: P1600001 ALS Sample ID: P1600001-014

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 02:45
Analyst:	Wade Henton	Date Received: 1/1/16
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16
Test Notes:		Time Analyzed: 14:53
		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.

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:T-3 High RoadClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS

ALS Project ID: P1600001 ALS Sample ID: P1600001-015

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 02:23		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 15:16		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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:GeoSyntec ConsultantsClient Sample ID:Porter Ranch Estates 2Client Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P1600001-016

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 04:16		
Analyst:	Wade Henton	Date Received: 1/1/16		
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 15:42		
		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:	GeoSyntec Consultants	
Client Sample ID:	Highlands 3	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-017

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 05:00
Analyst:	Wade Henton	Date Received: 1/1/16
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16
Test Notes:		Time Analyzed: 16:04
		Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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:	GeoSyntec Consultants	
Client Sample ID:	SS-3H	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-018

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16			
Instrument ID:					
Analyst:	Wade Henton	Date Received: 1/1/16			
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16			
Test Notes:	Time Analyzed: 16:25				
		Volume(s) Analyzed: 2.0 ml(s)			

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
-			μg/m	իրու		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.

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Client:	GeoSyntec Consultants	
Client Sample ID:	SS-09	ALS Project ID: P1600001
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600001-019

Test Code:	ASTM D 5504-12	Date Collected: 1/1/16		
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: 01:26		
Analyst:	Wade HentonDate Received: 1/1/16			
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/1/16		
Test Notes:		Time Analyzed: 16:48		
		Volume(s) Analyzed: 2.0 ml(s)		

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
						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:GeoSyntec ConsultantsClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001

Total Reduced Sulfur as Hydrogen Sulfide

Test Code:	ASTM D 5504-12	
Instrument ID:	Agilent 7890A/GC22/SCD	Date(s) Collected: 1/1/16
Analyst:	Wade Henton	Date Received: 1/1/16
Sample Type:	1 L Zefon Bag(s)	Date Analyzed: 1/1/16
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	P1600001-001	2.0	10:37	ND	7.0	ND	5.0	
Starter Set Preschool	P1600001-002	2.0	10:58	ND	7.0	ND	5.0	
Castlebay Elementary School	P1600001-003	2.0	11:14	ND	7.0	ND	5.0	
Highlands 2	P1600001-004	2.0	11:31	ND	7.0	ND	5.0	
Porter Ranch Community School	P1600001-005	2.0	11:49	ND	7.0	ND	5.0	
Holleigh Bernson Park	P1600001-006	2.0	12:08	ND	7.0	ND	5.0	
Porter Ranch Estates	P1600001-007	2.0	12:27	ND	7.0	ND	5.0	
Highlands 1	P1600001-008	2.0	12:48	ND	7.0	ND	5.0	
R-1	P1600001-009	2.0	13:07	ND	7.0	ND	5.0	
SF-2/5	P1600001-010	2.0	13:24	ND	7.0	ND	5.0	
SF-1	P1600001-011	2.0	13:54	ND	7.0	ND	5.0	
P-40	P1600001-012	2.0	14:10	ND	7.0	ND	5.0	
MA1-A	P1600001-013	2.0	14:32	ND	7.0	ND	5.0	
T-3 Low Road	P1600001-014	2.0	14:53	ND	7.0	ND	5.0	
T-3 High Road	P1600001-015	2.0	15:16	ND	7.0	ND	5.0	
Porter Ranch Estates 2	P1600001-016	2.0	15:42	ND	7.0	ND	5.0	
Highlands 3	P1600001-017	2.0	16:04	ND	7.0	ND	5.0	
SS-3H	P1600001-018	2.0	16:25	ND	7.0	ND	5.0	
SS-09	P1600001-019	2.0	16:48	ND	7.0	ND	5.0	
Method Blank	P160101-MB	2.0	10:16	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:GeoSyntec ConsultantsClient Sample ID:Method BlankClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P160101-MB

Test Code:	ASTM D 5504-12	Date Collected: NA
Instrument ID:	Agilent 7890A/GC22/SCD	Time Collected: NA
Analyst:	Wade Henton	Date Received: NA
Sample Type:	1 L Zefon Bag	Date Analyzed: 1/01/16
Test Notes:		Time Analyzed: 10:16
		Volume(s) Analyzed: 2.0 ml(s)

CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	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.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client:GeoSyntec ConsultantsClient Sample ID:Lab Control SampleClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600001 ALS Sample ID: P160101-LCS

Test Code:	ASTM D 5504-12	Date Collected: NA
Instrument ID:	Agilent 7890A/GC22/SCD	Date Received: NA
Analyst:	Wade Henton	Date Analyzed: 1/01/16
Sample Type:	1 L Zefon Bag	Volume(s) Analyzed: NA ml(s)
Test Notes:		

					ALS	
CAS #	Compound	Spike Amount	Result	% Recovery	Acceptance	Data
		ppbV	ppbV		Limits	Qualifier
7783-06-4	Hydrogen Sulfide	1,000	1,080	108	65-138	
463-58-1	Carbonyl Sulfide	1,000	1,050	105	60-135	
74-93-1	Methyl Mercaptan	1,000	1,040	104	57-140	



LABORATORY REPORT

January 2, 2016

Ruth Custance GeoSyntec Consultants 924 Anacapa Street Suite 4A Santa Barbara, CA 93101

RE: SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

Dear Ruth:

Enclosed are the results of the samples submitted to our laboratory on January 1, 2016. For your reference, these analyses have been assigned our service request number P1600002.

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

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

Respectfully submitted,

ALS | Environmental

For Sue Anderson Project Manager



Client:GeoSyntec ConsultantsService Request No:P1600002Project:SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 1, 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.

<u>C1 through C6 Hydrocarbon and TGNMO Analysis</u>

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

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

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

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

RIGHT SOLUTIONS | RIGHT PARTNER



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/EnvironmentalLaborat oryAccreditation/Pages/index.aspx	4068-001
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/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 <u>www.alsglobal.com</u>, or at the accreditation body's website.

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

DETAIL SUMMARY REPORT

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

Service Request: P1600002

Date Received:	1/1/2016
Time Received:	10:08

Project ID:	SOUTHERN C	ALIFORN	NIA GAS-AI	LISU CAN Y	UN STATIC	DIN / 144	124		
Date Received: Time Received:	1/1/2016 10:08		Date	Time	Container	Pil	Pf1	TO-3 Modified - C1C6+ Can TO-15 - VOC Cans	
Client Sample ID	Lab Code	Matrix	Collected	Collected	ID	(psig)	(psig)	TO-15	
Porter Ridge Park	P1600002-001	Air	1/1/2016	06:30	AS00947	-2.58	3.62	X X	
Starter Set Preschool	P1600002-002	Air	1/1/2016	06:10	AS00914	-2.19	3.65	X X	
Castlebay Elementary School	P1600002-003	Air	1/1/2016	05:44	AS00982	-1.91	3.56	X X	
Highlands 2	P1600002-004	Air	1/1/2016	05:21	AS00922	-1.24	3.66	X X	
Porter Ranch Community School	P1600002-005	Air	1/1/2016	03:10	AS00934	-1.77	3.63	X X	
Holleigh Bernson Park	P1600002-006	Air	1/1/2016	03:30	AS00923	-1.86	3.51	X X	
Porter Ranch Estates	P1600002-007	Air	1/1/2016	03:54	AS00954	-1.77	3.56	X X	
Highlands 1	P1600002-008	Air	1/1/2016	04:40	AS00920	-1.55	3.61	X X	
R-1	P1600002-009	Air	1/1/2016	08:59	AS00927	-1.81	3.51	X X	
SF-2/5	P1600002-010	Air	1/1/2016	08:24	AS00936	-1.76	3.72	X X	
SF-1	P1600002-011	Air	1/1/2016	08:00	AS00915	-2.16	3.70	X X	
P-40	P1600002-012	Air	1/1/2016	07:39	AS00919	-2.52	3.65	X X	
MA1-A	P1600002-013	Air	1/1/2016	07:10	AS00933	-1.71	3.65	X X	
T-3 Low Road	P1600002-014	Air	1/1/2016	02:45	AS00913	-1.97	3.54	X X	
T-3 High Road	P1600002-015	Air	1/1/2016	02:23	AS00916	-2.11	3.52	X X	
Porter Ranch Estates 2	P1600002-016	Air	1/1/2016	04:16	AS00917	-1.38	3.66	X X	
Highlands 3	P1600002-017	Air	1/1/2016	05:00	AS00921	-1.72	3.60	X X	
SS-3H	P1600002-018	Air	1/1/2016	01:45	AS00924	-2.16	3.66	X X	
SS-09	P1600002-019	Air	1/1/2016	01:26	AS00937	-2.53	3.66	X X	

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Page 1 of 2

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

Requested Turnaround Time in Business Days (Surcharges) please circle ALS Project No. (1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard アレレククロ

	Fax (805) 526-7270	6-7270		1 Day (100%) 2 Day (75%)		y (50%) 4 Day	3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard	0 Day-Standard	P160003	2003	
								ALS Contact:	H		
Company Name & Address (Reporting Information)	Intormation)			Project Name					Sue Anderson	-	
AIRKINETICS, INC.	ICS, INC.			SOUTH	HERN CALIFORNI	A GAS - ALISO	SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION	A	Analysis Method	pot	
1308 S. Allec Street Anahaim CA 92805	lec Street			Project Number 14424					JINJII		
Project Manager	0000010			P.O. # / Rilling Information	Information			ви	ns p		
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(714) 254-1945	(714) 956-2350	50						-10	с) S 2) S 2		Preservative or specific
Email Address for Result Reporting				Sampler (Print & Sign)	Sign)		5	pə	1-4-1 8, T	0	u specific instructions
Please see Kelly Horiuchi for distribution list	chi for distri	bution list			Kenny L) Mai-	(engl)		9 spi 099	ЭT	
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 "Ho	Canister End Pressure "Horbsio Volume	om C-O	unodwo O WLS ^y	8) SI-O	
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Starter Set Preschool	200-	91-10-10	0600	Asoogit	0A00831	27	4.5	×		×	
Castlebay Elementary School	-003	1-10-10	0534- 0544	A500982	CTP10A0	26.5	ю	×		×	
Highlands 2	-004	91-10-10	0511-	A500922	0400984	28	2	×		×	
Porter Ranch Community School	-005	91-10-10	0350-	AS 00934	OA00427	26	+	×		×	
Holleigh Bernson Park	- 00(-	91-10-10	0320- 0330	A500923	0401919	27	+	×		×	
Porter Ranch Estates	-007	71-10-10	0344-	ASoofisy	6961040	28.5	Ŋ	×		×	
Highlands 1	1008	01-10-10	0430-	A500920	1761040	29	4,5	×		×	
R-1	-009	91-01-16	0849- 0859	AS 00927	0400525	29	S	×		×	
SF-2/5	-010	01-10-10	0814-	AS 00936	0A01266	27.5	Я	×		×	
SF-1	-011	01-01-10	0150- 0800	ASeoglS	0A00503	27	Ω Ω	×		×	
P-40	-012	01-01-16 0739-	0739-	AS 00919	54100¥0	26	4.5	×		×	
MA1-A	-013	01-01 -16 01-00	0100-	A500933	OROIS42	28.5	4.5	×		×	
T-3 Low Road	+10-	01-01-10	0235.	NS 00913	0AD0440	27	S	×		×	
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Page 2 of 2 Air - Chain of Custody Record & Analytical Service Request 2655 Park Center Drive, Suite A

	Phone (805) 526-7161	576_71A1		Poniostod T.	Imaround Time	n Bueinnee Da	we (Surphared					
	Fax (805) 526-7270	-7270	-0	1 Day (100%)	(1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-S	3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard	<u>ye (35%) 5 Day</u>	(25%) 10 Da	cle iy-Standard	ALS Project No. P 1 やのののみ	0. 0002	
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T-3 High Road	-015	91-10-10	0213-53	Asoogie	0800989	26	4.5		×		×	
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ALS Environmental Sample Acceptance Check Form

	: GeoSyntec Co		~ ···· F	· · · · · · · · · · · · · · · · · · ·		Work order:	P1600002			
Project	: SOUTHERN	CALIFORNIA GSA-A	ALISO CANY							
Sample	(s) received on:	1/1/16		. 1	Date opened:	1/1/16	by:	KAGU	ILERA	
		samples received by ALS.		•	•	-			ndication	of
compliance	e or nonconformity.	Thermal preservation and	pH will only be e	valuated either at t	the request of the	e client and/or as requ	fired by the metho	od/SOP. <u>Yes</u>	<u>No</u>	<u>N/A</u>
1	-	containers properly n		ient sample ID	?			\mathbf{X}		
2	2 Did sample containers arrive in good condition?							X		
3	Were chain-of	f-custody papers used	and filled out	?				X		
4	Did sample co	ntainer labels and/or	tags agree wi	th custody pap	ers?			X		
5	Was sample v	olume received adequ	ate for analys	is?				X		
6	Are samples w	thin specified holding	g times?					X		
7	7 Was proper temperature (thermal preservation) of cooler at receipt adhered to?								X	
8	Were custody	seals on outside of co	oler/Box/Con	tainer?					X	
		Location of seal(s)?					Sealing Lid?			X
	Were signature	e and date included?								X
	Were seals inta	act?								\mathbf{X}
9	Do containe	rs have appropriate pr	eservation, a	ccording to me	thod/SOP or	Client specified i	nformation?			X
	Is there a clier	nt indication that the s	ubmitted samp	ples are pH pre	eserved?					X
	Were VOA v	ials checked for prese	nce/absence of	f air bubbles?						X
	Does the clien	t/method/SOP require	that the analy	st check the sa	mple pH and	if necessary alter	it?			X
10	Tubes:	Are the tubes capp	bed and intact?	?						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
_	~									
Lab	Sample ID	Container	Required	Received	Adjusted	VOA Headspace		ipt / Preservation		l
		Description	pH *	pН	pН	(Presence/Absence)		Comme	nts	

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600002-001.01	6.0 L Silonite Can					
P1600002-002.01	6.0 L Silonite Can					
P1600002-003.01	6.0 L Silonite Can					
P1600002-004.01	6.0 L Silonite Can					
P1600002-005.01	6.0 L Silonite Can					
P1600002-006.01	6.0 L Silonite Can					
P1600002-007.01	6.0 L Silonite Can					
P1600002-008.01	6.0 L Silonite Can					
P1600002-009.01	6.0 L Silonite Can					
P1600002-010.01	6.0 L Silonite Can					
P1600002-011.01	6.0 L Silonite Can					
P1600002-012.01	6.0 L Silonite Can					
P1600002-013.01	6.0 L Silonite Can					
P1600002-014.01	6.0 L Silonite Can					
P1600002-015.01	6.0 L Silonite Can					

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

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

ALS Environmental Sample Acceptance Check Form

Client: GeoSyntec Consultants Project: SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

Work order:

P1600002

by:

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

Date opened: 1/1/16

KAGUILERA

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1600002-016.01	6.0 L Silonite Can					
P1600002-017.01	6.0 L Silonite Can					
P1600002-018.01	6.0 L Silonite Can					
P1600002-019.01	6.0 L Silonite Can					
P1600002-020.01	6.0 L Silonite Can					Returned Unused
P1600002-021.01	6.0 L Silonite Can					Returned Unused

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

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

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsALS Project ID: P1600002Client Sample ID:Porter Ridge ParkALS Project ID: P1600002-001Client Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID: P1600002-001

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -2.58

Final Pressure (psig): 3.62

Canister Dilution Factor: 1.51

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.3	0.76	
C_2 as Ethane	ND	0.76	
C_3 as Propane	ND	0.76	
C ₄ as n-Butane	ND	0.76	
C_5 as n-Pentane	ND	0.76	
C ₆ as n-Hexane	ND	0.76	
C ₆ + as n-Hexane	ND	0.76	
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:GeoSyntec ConsultantsClient Sample ID:Starter Set PreschoolALS Project ID: P1600002Client Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID: P1600002-002

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -2.19

Final Pressure (psig): 3.65

Canister Dilution Factor: 1.47

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.3	0.74	
C_2 as Ethane	ND	0.74	
C_3 as Propane	ND	0.74	
C ₄ as n-Butane	ND	0.74	
C_5 as n-Pentane	ND	0.74	
C_6 as n-Hexane	ND	0.74	
C ₆ + as n-Hexane	ND	0.74	
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: GeoSyntec Consultants Client Sample ID: Castlebay Elementary School Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600002 ALS Sample ID: P1600002-003

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16		
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16		
Analyst:	Wade Henton	Date Analyzed: 1/1/16		
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)		
Test Notes:				

Initial Pressure (psig): -1.91 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.43

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.4	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:	GeoSyntec Consultants	
Client Sample ID:	Highlands 2	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-004

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -1.24

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.36

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.7	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: GeoSyntec Consultants Client Sample ID: Porter Ranch Community School Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600002 ALS Sample ID: P1600002-005

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16	
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16	
Analyst:	Wade Henton	Date Analyzed: 1/1/16	
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)	
Test Notes:			

Initial Pressure (psig): -1.77 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.42

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.5	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsALS Project ID: P1600002Client Sample ID:Holleigh Bernson ParkALS Project ID: P1600002Client Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID: P1600002-006

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -1.86

Final Pressure (psig): 3.51

Canister Dilution Factor: 1.42

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	3.5	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsALS Project ID: P1600002Client Sample ID:Porter Ranch EstatesALS Project ID: P1600002Client Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID: P1600002-007

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -1.77

Final Pressure (psig): 3.56

Canister Dilution Factor: 1.41

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	23	0.71	
C_2 as Ethane	0.73	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	1.5	1.4	

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

RESULTS OF ANALYSIS Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	Highlands 1	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-008

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16	
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16	
Analyst:	Wade Henton	Date Analyzed: 1/1/16	
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)	
Test Notes:			

Initial Pressure (psig): -1.55

Final Pressure (psig): 3.61

Canister Dilution Factor: 1.39

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	4.8	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:	GeoSyntec Consultants	
Client Sample ID:	R-1	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-009

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16	
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16	
Analyst:	Wade Henton	Date Analyzed: 1/1/16	
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)	
Test Notes:			

Initial Pressure (psig): -1.81

Final Pressure (psig): 3.51

Canister Dilution Factor: 1.41

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.2	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	SF-2/5	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-010

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16	
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16	
Analyst:	Wade Henton	Date Analyzed: 1/1/16	
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)	
Test Notes:			

Initial Pressure (psig): -1.76

Final Pressure (psig): 3.72

Canister Dilution Factor: 1.42

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	4.5	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	SF-1	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-011

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16	
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16	
Analyst:	Wade Henton	Date Analyzed: 1/1/16	
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)	
Test Notes:			

Initial Pressure (psig): -2.16

Final Pressure (psig): 3.70

Canister Dilution Factor: 1.47

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.6	0.74	
C_2 as Ethane	ND	0.74	
C_3 as Propane	ND	0.74	
C ₄ as n-Butane	ND	0.74	
C_5 as n-Pentane	ND	0.74	
C ₆ as n-Hexane	ND	0.74	
C ₆ + as n-Hexane	ND	0.74	
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:	GeoSyntec Consultants	
Client Sample ID:	P-40	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-012

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -2.52

Final Pressure (psig): 3.65

Canister Dilution Factor: 1.51

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.6	0.76	
C_2 as Ethane	ND	0.76	
C_3 as Propane	ND	0.76	
C ₄ as n-Butane	ND	0.76	
C_5 as n-Pentane	ND	0.76	
C ₆ as n-Hexane	ND	0.76	
C ₆ + as n-Hexane	ND	0.76	
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:	GeoSyntec Consultants	
Client Sample ID:	MA1-A	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-013

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -1.71

Final Pressure (psig): 3.65

Canister Dilution Factor: 1.41

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.2	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:	GeoSyntec Consultants	
Client Sample ID:	T-3 Low Road	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-014

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -1.97

Final Pressure (psig): 3.54

Canister Dilution Factor: 1.43

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.2	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:	GeoSyntec Consultants	
Client Sample ID:	T-3 High Road	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-015

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -2.11

Final Pressure (psig): 3.52

Canister Dilution Factor: 1.45

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.3	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.

RESULTS OF ANALYSIS Page 1 of 1

Client:GeoSyntec ConsultantsALS Project ID: P1600002Client Sample ID:Porter Ranch Estates 2ALS Project ID: P1600002Client Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID: P1600002-0

ALS Sample ID: P1600002-016

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16
Analyst:	Wade Henton	Date Analyzed: 1/1/16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)
Test Notes:		

Initial Pressure (psig): -1.38

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.38

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	13	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.

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Client:	GeoSyntec Consultants	
Client Sample ID:	Highlands 3	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-017

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/2	16
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/2	16
Analyst:	Wade Henton	Date Analyzed: 1/1/2	16
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed:	1.0 ml(s)
Test Notes:			

Initial Pressure (psig): -1.72

Final Pressure (psig): 3.60

Canister Dilution Factor: 1.41

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	2.8	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:	GeoSyntec Consultants	
Client Sample ID:	SS-3H	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-018

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16		
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16		
Analyst:	Wade Henton	Date Analyzed: 1/1/16		
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)		
Test Notes:				

Initial Pressure (psig): -2.16

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.46

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	48	0.73	
C_2 as Ethane	1.6	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	3.2	1.5	

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

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Client:	GeoSyntec Consultants	
Client Sample ID:	SS-09	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P1600002-019

Test Code:	EPA TO-3 Modified	Date Collected: 1/1/16		
Instrument ID:	HP5890 II/GC8/FID	Date Received: 1/1/16		
Analyst:	Wade Henton	Date Analyzed: 1/1/16		
Sampling Media:	6.0 L Silonite Canister	Volume(s) Analyzed: 1.0 ml(s)		
Test Notes:				

Initial Pressure (psig): -2.53

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.51

Compound	Result	MRL	Data
	ppmV	ppmV	Qualifier
Methane	17	0.76	
C_2 as Ethane	ND	0.76	
C_3 as Propane	ND	0.76	
C ₄ as n-Butane	ND	0.76	
C_5 as n-Pentane	ND	0.76	
C ₆ as n-Hexane	ND	0.76	
C ₆ + as n-Hexane	ND	0.76	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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Client:GeoSyntec ConsultantsClient Sample ID:Method BlankClient Project ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID:P160101-MB

Test Code:	EPA TO-3 Modified	Date Collected: NA		
Instrument ID:	HP5890 II/GC8/FID	Date Received: NA		
Analyst:	Wade Henton	Date Analyzed: 1/01/16		
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.

LABORATORY CONTROL SAMPLE SUMMARY

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GeoSyntec Consultants Client: Client Sample ID: Lab Control Sample Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

ALS Project ID: P1600002 ALS Sample ID: P160101-LCS

Test Code:	EPA TO-3 Modified	Date Collected: NA
Instrument ID:	HP5890 II/GC8/FID	Date Received: NA
Analyst:	Wade Henton	Date Analyzed: 1/01/16
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	931	91	83-107	
Ethane	1,010	997	99	77-111	
Propane	1,010	1,020	101	78-110	
n-Butane	1,010	1,010	100	73-109	
n-Pentane	1,010	1,050	104	75-115	
n-Hexane	1,020	1,060	104	73-121	

RESULTS OF ANALYSIS

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-	GeoSyntec Consultants Porter Ridge Park SOUTHERN CALIFORNIA GAS-AL	ISO CANYON S	STATION / 1442	ALS Project ID: 24 ALS Sample ID:		01
Test Code: Instrument ID: Analyst: Sample Type: Test Notes: Container ID:	EPA TO-15 Tekmar AUTOCAN/Agilent 5975Cine Lusine Hakobyan 6.0 L Silonite Canister AS00947	ert/6890N/MS16		Date Collected: Date Received: Date Analyzed: Volume(s) Analyzed:	1/1/16 1/1/16	ter(s)
	Initial Pressure (psig):	-2.58 Fin	al Pressure (psig	-	er Dilution Fa	ctor: 1.51
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.27	0.15	0.086	0.047	
108-88-3	Toluene	ND	0.76	ND	0.20	
100-41-4 179601-23-1	Ethylbenzene m,p-Xylenes	ND ND	0.76 0.76	ND ND	0.17 0.17	

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

o-Xylene

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

ND

0.76

95-47-6

0.17

ND

RESULTS OF ANALYSIS

Page 1 of 1

Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants Starter Set Preschool SOUTHERN CALIFORNIA GAS	S-ALISO CANYON S	STATION / 14424	ALS Project ID: ALS Sample ID:		02
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973	3inert/6890N/MS8		Date Received:	1/1/16	
Analyst:	Wida Ang			Date Analyzed:	1/1/16	
Sample Type: Test Notes:	6.0 L Silonite Canister		Vo	lume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00914					
	Initial Pressure (psi	g): -2.19 Fin	al Pressure (psig):	3.65		
				Canister	Dilution Fa	ctor: 1.47
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.31	0.15	0.098	0.046	
108-88-3	Toluene	ND	0.74	ND	0.20	
100-41-4	Ethylbenzene	ND	0.74	ND	0.17	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.74

0.74

ND

ND

0.17

0.17

179601-23-1

95-47-6

RESULTS OF ANALYSIS

Page 1 of 1

-	GeoSyntec Consultants Castlebay Elementary School SOUTHERN CALIFORNIA GAS-A	LISO CANYON S	STATION / 14	ALS Project ID: 4424 ALS Sample ID:		03
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Cir	nert/6890N/MS16		Date Received:	1/1/16	
Analyst:	Lusine Hakobyan			Date Analyzed:	1/1/16	
Sample Type:	6.0 L Silonite Canister			Volume(s) Analyzed:	1.00 Li	ter(s)
Test Notes:						
Container ID:	AS00982					
	Initial Pressure (psig):	-1.91 Fin	al Pressure (p	sig): 3.56		
				Canister	r Dilution Fa	ctor: 1.43
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.14	0.092	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	
108-88-3 100-41-4	Toluene Ethylbenzene	0.29 ND	0.14 0.72	0.092 ND	0.045 0.19 0.16	Quaimer

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

o-Xylene

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

ND

0.72

ND

0.16

95-47-6

RESULTS OF ANALYSIS

Page 1 of 1

Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants Highlands 2 SOUTHERN CALIFORNIA GAS-A	ALISO CANYON S	STATION / 14	ALS Project ID: 4424 ALS Sample ID:		04
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973in	ert/6890N/MS8		Date Received:	1/1/16	
Analyst:	Wida Ang			Date Analyzed:	1/1/16	
Sample Type: Test Notes:	6.0 L Silonite Canister			Volume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00922					
	Initial Pressure (psig):	-1.24 Fin	al Pressure (p		r Dilution Fac	ctor: 1.36
CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m ³	µg∕m³	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.27	0.14	0.086	0.043	
108-88-3	Toluene	ND	0.68	ND	0.18	
108-88-3 100-41-4	Toluene Ethylbenzene	ND ND	$0.68 \\ 0.68$	ND ND	0.18 0.16	

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

o-Xylene

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

ND

0.68

95-47-6

0.16

ND

RESULTS OF ANALYSIS

Page 1 of 1

-	GeoSyntec Consultants Porter Ranch Community School SOUTHERN CALIFORNIA GAS-AI	JSO CANYON S	STATION / 144	ALS Project ID: ALS Sample ID:		05
Test Code: Instrument ID: Analyst: Sample Type: Test Notes: Container ID:	EPA TO-15 Tekmar AUTOCAN/Agilent 5975Cine Lusine Hakobyan 6.0 L Silonite Canister AS00934	ert/6890N/MS16		Date Collected: Date Received: Date Analyzed: Volume(s) Analyzed:	1/1/16	ter(s)
	Initial Pressure (psig):	-1.77 Fin	al Pressure (psi		Dilution Fac	ctor: 1.42
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2 108-88-3	Benzene Toluene	0.53 ND	0.14 0.71	0.17 ND	0.044 0.19	

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

Ethylbenzene

m,p-Xylenes

o-Xylene

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

ND

ND

ND

0.71

0.71

0.71

100-41-4

95-47-6

179601-23-1

0.16

0.16

0.16

ND

ND

ND

RESULTS OF ANALYSIS

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-	GeoSyntec Consultants Holleigh Bernson Park SOUTHERN CALIFORNIA GAS-A	LISO CANYON S	STATION / 14424	ALS Project ID: ALS Sample ID:)6
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973ine	rt/6890N/MS8		Date Received:	1/1/16	
Analyst:	Wida Ang			Date Analyzed:	1/1/16	
Sample Type: Test Notes:	6.0 L Silonite Canister		Vo	olume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00923					
	Initial Pressure (psig):	-1.86 Fin	al Pressure (psig):	3.51		
				Caniste	r Dilution Fac	ctor: 1.42
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.14	0.092	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.71

0.71

ND

ND

0.16

0.16

179601-23-1

95-47-6

RESULTS OF ANALYSIS

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Client:	GeoSyntec Consultants					
Client Sample ID:	Porter Ranch Estates			ALS Project ID:	P1600002	
Client Project ID:	SOUTHERN CALIFORNIA GAS-A	LISO CANYON S	STATION / 14	424 ALS Sample ID:	P1600002-0	07
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Cir	ert/6890N/MS16		Date Received:	1/1/16	
Analyst:	Lusine Hakobyan			Date Analyzed:	1/1/16	
Sample Type: Test Notes:	6.0 L Silonite Canister			Volume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00954					
	Initial Pressure (psig):	-1.77 Fin	al Pressure (ps	sig): 3.56		
				Caniste	er Dilution Fac	ctor: 1.41
CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m³	µg∕m³	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.85	0.14	0.27	0.044	
108-88-3	Toluene	0.90	0.71	0.24	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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GeoSyntec Consultants					
Highlands 1			ALS Project ID:	P1600002	
SOUTHERN CALIFORNIA GAS-AL	ISO CANYON S	STATION / 14424	ALS Sample ID:	P1600002-0	08
FPA TO 15			Data Collected:	1/1/16	
	A/COONT/NICO				
-	1/0890IN/INIS8				
Wida Ang			Date Analyzed:	1/1/16	
6.0 L Silonite Canister		Vo	olume(s) Analyzed:	1.00 Li	ter(s)
AS00920					
Initial Pressure (psig):	-1.55 Fina	al Pressure (psig):	3.61		
			Caniste	er Dilution Fac	ctor: 1.39
Compound	Result	MRL	Result	MRL	Data
	μg/m³	μg/m³	ppbV	ppbV	Qualifier
Benzene	0.32	0.14	0.10	0.044	
Toluene	ND	0.70	ND	0.18	
Ethylbenzene	ND	0.70	ND	0.16	
	Highlands 1 SOUTHERN CALIFORNIA GAS-AI EPA TO-15 Tekmar AUTOCAN/Agilent 5973iner Wida Ang 6.0 L Silonite Canister AS00920 Initial Pressure (psig): Compound Benzene Toluene	Highlands 1 SOUTHERN CALIFORNIA GAS-ALISO CANYON S EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Wida Ang 6.0 L Silonite Canister AS00920 Initial Pressure (psig): -1.55 Final Benzene 0.32 Toluene ND	Highlands 1 SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424 EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Wida Ang 6.0 L Silonite Canister Vot AS00920 Initial Pressure (psig): -1.55 Final Pressure (psig): -1.55 Benzene 0.32 0.14 Toluene	ALS Project ID: ALS Sample ID: ALS Sample ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID: ALS Sample ID: ALS Sample ID: Date Collected: Date Received: Date Analyzed: 6.0 L Silonite CanisterDate Collected: Date Received: Date Analyzed: Colume(s) Analyzed: Colume(s) Analyzed: CanisterAS00920Initial Pressure (psig): -1.55Final Pressure (psig): ginal Pressure (psig):3.61CompoundResult µg/m³MRL µg/m³Result ppbVBenzene0.320.140.10TolueneND0.70ND	Highands 1 ALS Project ID: P1600002 SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424 ALS Sample ID: P1600002-00 EPA TO-15 Date Collected: 1/1/16 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 1/1/16 Wida Ang Date Analyzed: 1/1/16 6.0 L Silonite Canister Volume(s) Analyzed: 1/1/16 AS00920 Initial Pressure (psig): -1.55 Final Pressure (psig): 3.61 Compound Result MRL µg/m³ µg/m³ ppbV Benzene 0.32 0.14 0.10 0.044 ND 0.70 ND 0.18

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.70

0.70

179601-23-1

95-47-6

0.16

0.16

ND

ND

RESULTS OF ANALYSIS

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		ruge r or r				
Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants R-1 SOUTHERN CALIFORNIA GAS-A	ALISO CANYON S	STATION / 1442	ALS Project ID 4 ALS Sample ID		09
Test Code:	EPA TO-15			Date Collected	1/1/16	
		mont/6900NI/NIC16		Date Received		
Instrument ID: Analyst:	Tekmar AUTOCAN/Agilent 5975Ci Lusine Hakobyan			Date Analyzed		
Sample Type:	6.0 L Silonite Canister		V	Volume(s) Analyzed		ter(s)
Test Notes:				-		
Container ID:	AS00927					
	Initial Pressure (psig):	-1.81 Fin	al Pressure (psig): 3.51		
				Caniste	er Dilution Fa	ctor: 1.41
CAS #	Compound	Result	MRL	Result	MRL	Data
		μg/m ³	μg/m ³	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.27	0.14	0.083	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.71

0.71

ND

ND

0.16

0.16

179601-23-1

95-47-6

RESULTS OF ANALYSIS

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Client:	GeoSyntec Consultants					
Client Sample ID:	SF-2/5			ALS Project ID:	P1600002	
Client Project ID:	SOUTHERN CALIFORNIA GAS-AI	LISO CANYON S	STATION / 144	ALS Sample ID:	P1600002-0	10
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973iner	rt/6890N/MS8		Date Received:	1/1/16	
Analyst:	Wida Ang			Date Analyzed:	1/1/16	
Sample Type:	6.0 L Silonite Canister			Volume(s) Analyzed:	1.00 Li	ter(s)
Test Notes:				•		
Container ID:	AS00936					
	Initial Pressure (psig):	-1.76 Fin	al Pressure (psi	g): 3.72		
			-			
				Caniste	r Dilution Fa	ctor: 1.42
CAS #	Compound	Result	MRL	Result	MRL	Data
	-	μg/m ³	µg∕m³	ppbV	ppbV	Qualifier
71-43-2	Benzene	0.29	0.14	0.091	0.044	_
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
	2					

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.71

0.71

179601-23-1

95-47-6

0.16

0.16

ND

ND

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants SF-1 SOUTHERN CALIFORNIA GAS-AL	ISO CANYON S	STATION / 144	ALS Project ID: 24 ALS Sample ID:		11
Test Code: Instrument ID: Analyst: Sample Type: Test Notes:	EPA TO-15 Tekmar AUTOCAN/Agilent 5975Cine Lusine Hakobyan 6.0 L Silonite Canister	ert/6890N/MS16		Date Collected: Date Received: Date Analyzed: Volume(s) Analyzed:	1/1/16 1/1/16	ter(s)
Container ID:	AS00915 Initial Pressure (psig):	-2.16 Fin	al Pressure (psig		r Dilution Fa	ctor: 1.47
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2 108-88-3 100-41-4	Benzene Toluene Ethylbenzene	0.26 ND ND	0.15 0.74 0.74	0.081 ND ND	0.046 0.20 0.17	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.74

0.74

ND

ND

0.17

0.17

179601-23-1

95-47-6

RESULTS OF ANALYSIS

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GeoSyntec Consultants P-40 SOUTHERN CALIFORNIA GAS-AN	LISO CANYON S	STATION / 1442			12
EPA TO-15					
Tekmar AUTOCAN/Agilent 5973ine	rt/6890N/MS8		Date Received:	1/1/16	
Wida Ang			Date Analyzed:	1/1/16	
6.0 L Silonite Canister			Volume(s) Analyzed:	1.00 Li	ter(s)
AS00919					
Initial Pressure (psig):	-2.52 Fin	al Pressure (psig): 3.65		
			Caniste	r Dilution Fac	ctor: 1.51
Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
Benzene	0.27	0.15	0.086	0.047	
Toluene	ND	0.76	ND	0.20	
Ethylbenzene	ND	0.76	ND	0.17	
	P-40 SOUTHERN CALIFORNIA GAS-AN EPA TO-15 Tekmar AUTOCAN/Agilent 5973ine Wida Ang 6.0 L Silonite Canister AS00919 Initial Pressure (psig): Compound Benzene Toluene	P-40 SOUTHERN CALIFORNIA GAS-ALISO CANYON S EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Wida Ang 6.0 L Silonite Canister AS00919 Initial Pressure (psig): -2.52 Fin Compound Result µg/m ³ Benzene 0.27 Toluene ND	P-40 SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 1442 EPA TO-15 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Wida Ang 6.0 L Silonite Canister	P-40ALS Project ID: ALS Sample ID:SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424ALS Sample ID:EPA TO-15Date Collected: Date Received: Wida AngDate Collected: Date Analyzed: 6.0 L Silonite CanisterKoop19Initial Pressure (psig): -2.52Final Pressure (psig): μg/m³3.65CompoundResult μg/m³MRL μg/m³Result ppbVBenzene0.270.150.086TolueneND0.76ND	P-40 ALS Project ID: P1600002 SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424 ALS Sample ID: P1600002-01 EPA TO-15 Date Collected: 1/1/16 Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Collected: 1/1/16 Wida Ang Date Analyzed: 1/1/16 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Lit AS00919 Initial Pressure (psig): -2.52 Final Pressure (psig): 3.65 Compound Result MRL Result MRL µg/m³ µg/m³ ppbV ppbV Benzene 0.27 0.15 0.086 0.047 Toluene ND 0.76 ND 0.20

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.76

0.76

ND

ND

0.17

0.17

179601-23-1

95-47-6

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants MA1-A SOUTHERN CALIFORNIA GAS-AI	LISO CANYON S	STATION / 14424	ALS Project ID: ALS Sample ID:		13
Test Code: Instrument ID: Analyst: Sample Type: Test Notes: Container ID:	EPA TO-15 Tekmar AUTOCAN/Agilent 5975Cin Lusine Hakobyan 6.0 L Silonite Canister AS00933	ert/6890N/MS16		Date Collected: Date Received: Date Analyzed: /olume(s) Analyzed:	1/1/16 1/1/16	ter(s)
	Initial Pressure (psig):	-1.71 Fin	al Pressure (psig)		r Dilution Fac	ctor: 1.41
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2 108-88-3 100-41-4	Benzene Toluene Ethylbenzene	0.26 ND ND	0.14 0.71 0.71	0.081 ND ND	0.044 0.19 0.16	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.71

0.71

179601-23-1

95-47-6

0.16

0.16

ND

ND

RESULTS OF ANALYSIS

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Client: Client Sample ID:	GeoSyntec Consultants T-3 Low Road			ALS Project ID: 1	21600002	
Client Project ID:	SOUTHERN CALIFORNIA GAS-	ALISO CANYON S	STATION / 14424	ALS Sample ID: 1	* 1600002-01	14
Test Code:	EPA TO-15			Date Collected:	/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973in	nert/6890N/MS8		Date Received: 1	/1/16	
Analyst:	Wida Ang			Date Analyzed: 1	/1/16	
Sample Type: Test Notes:	6.0 L Silonite Canister		Vo	olume(s) Analyzed:	1.00 Lit	ter(s)
Container ID:	AS00913					
	Initial Pressure (psig)	: -1.97 Fin	al Pressure (psig):	3.54		1.42
				Canister	Dilution Fac	ctor: 1.43
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.14	0.090	0.045	
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.16	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.72

0.72

179601-23-1

95-47-6

0.16

0.16

ND

ND

RESULTS OF ANALYSIS

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Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants T-3 High Road SOUTHERN CALIFORNIA GAS-AI	LISO CANYON S	STATION / 14424	ALS Project ID: ALS Sample ID:		15
Test Code: Instrument ID: Analyst: Sample Type:	EPA TO-15 Tekmar AUTOCAN/Agilent 5975Cin Lusine Hakobyan 6.0 L Silonite Canister	ert/6890N/MS16		Date Collected: Date Received: Date Analyzed: olume(s) Analyzed:	1/1/16	ter(s)
Test Notes: Container ID:	AS00916 Initial Pressure (psig):	-2.11 Fin	al Pressure (psig):	: 3.52		
				Caniste	Dilution Fa	ctor: 1.45
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.31	0.15	0.097	0.045	
108-88-3	Toluene	ND	0.73	ND	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.73

0.73

179601-23-1

95-47-6

0.17

0.17

ND

ND

RESULTS OF ANALYSIS

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Client:	GeoSyntec Consultants					
Client Sample ID:	Porter Ranch Estates 2			ALS Project ID:	P1600002	
Client Project ID:	SOUTHERN CALIFORNIA GAS-	ALISO CANYON S	STATION / 1442	4 ALS Sample ID:	P1600002-0	16
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973i	nert/6890N/MS8		Date Received:	1/1/16	
Analyst:	Wida Ang			Date Analyzed:	1/1/16	
Sample Type: Test Notes:	6.0 L Silonite Canister		,	Volume(s) Analyzed:	1.00 Li	ter(s)
Container ID:	AS00917					
	Initial Pressure (psig)	: -1.38 Fin	al Pressure (psig): 3.66		
				Caniste	er Dilution Fac	ctor: 1.38
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.57	0.14	0.18	0.043	~
108-88-3	Toluene	ND	0.69	ND	0.18	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	

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

m,p-Xylenes

o-Xylene

179601-23-1

95-47-6

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

ND

ND

0.69

0.69

ND

ND

0.16

0.16

RESULTS OF ANALYSIS

Page 1 of 1

Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants Highlands 3 SOUTHERN CALIFORNIA GAS-AL	ISO CANYON S	STATION / 1442	ALS Project ID: 4 ALS Sample ID:		17
Test Code: Instrument ID: Analyst: Sample Type: Test Notes: Container ID:	EPA TO-15 Tekmar AUTOCAN/Agilent 5975Cine Lusine Hakobyan 6.0 L Silonite Canister AS00921	ert/6890N/MS16		Date Collected: Date Received: Date Analyzed: Volume(s) Analyzed:	1/1/16 1/1/16	ter(s)
	Initial Pressure (psig):	-1.72 Fin	al Pressure (psig): 3.60		
				Caniste	r Dilution Fa	ctor: 1.41
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.26	0.14	0.083	0.044	
	T 1	ND	0.71	ND	0.19	
108-88-3	Toluene	ND	0.71	ND	0.17	
108-88-3 100-41-4	Ethylbenzene	ND	0.71	ND	0.15	

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

o-Xylene

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

ND

0.71

95-47-6

0.16

ND

RESULTS OF ANALYSIS

Page 1 of 1

Client: Client Sample ID: Client Project ID:	GeoSyntec Consultants SS-3H SOUTHERN CALIFORNIA GAS-AI	LISO CANYON S	STATION / 14	ALS Project ID: 4424 ALS Sample ID:		18
Test Code:	EPA TO-15			Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOCAN/Agilent 5973iner	rt/6890N/MS8		Date Received:	1/1/16	
Analyst:	Wida Ang			Date Analyzed:	1/1/16	
Sample Type:	6.0 L Silonite Canister			Volume(s) Analyzed:	1.00 Li	ter(s)
Test Notes:						
Container ID:	AS00924					
	Initial Pressure (psig):	-2.16 Fin	al Pressure (p		r Dilution Fa	ctor: 1.46
CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	1.4	0.15	0.43	0.046	
108-88-3	Toluene	1.9	0.73	0.50	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
179601-23-1	m,p-Xylenes	1.0	0.73	0.24	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.

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: Client Sample ID: Client Project ID:	GeoSyntec Co SS-09 SOUTHERN CA	onsultants ALIFORNIA GAS-AI	LISO CANYO	N STATION / 14	ALS Project ID: 4424 ALS Sample ID:)19
Test Code:	EPA TO-15				Date Collected:	1/1/16	
Instrument ID:	Tekmar AUTOC	CAN/Agilent 5975Cin	ert/6890N/MS	16	Date Received:	1/1/16	
Analyst:	Lusine Hakobya	n			Date Analyzed:	1/1/16	
Sample Type: Test Notes:	6.0 L Silonite Ca	anister			Volume(s) Analyzed:	1.00 L	iter(s)
Container ID:	AS00937						
	Ini	itial Pressure (psig):	-2.53	Final Pressure (p	sig): 3.66		
					Caniste	er Dilution Fa	ctor: 1.51
CAS #	Compound		Result	MRL	Result	MRL	Data
	-		μg/m ³	μg/m ³	ppbV	ppbV	Qualifier
71-43-2	Benzene		0.35	0.15	0.11	0.047	
108-88-3	Toluene		NE	0.76	ND	0.20	
100-41-4	Ethylbenzene		NE	0.76	ND	0.17	

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

m,p-Xylenes

o-Xylene

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

ND

ND

0.76

0.76

ND

ND

0.17

0.17

179601-23-1

95-47-6

RESULTS OF ANALYSIS

Page 1 of 1

Client:	GeoSyntec Consultants		
Client Sample ID:	Method Blank	ALS Project ID: P1	600002
Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424		24 ALS Sample ID: P1	51231-MB
Test Code:	EPA TO-15	Date Collected: NA	A
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16	Date Received: NA	A
Analyst:	Lusine Hakobyan	Date Analyzed: 12	/31/15
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/m ³	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.

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:	GeoSyntec Consultants	
Client Sample ID:	Method Blank	ALS Project ID: P1600002
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 1442	ALS Sample ID: P160101-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: 1/1/16
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/m ³	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.

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

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

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

ALS Project ID: P1600002

Test Code:	EPA TO-15
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst:	Lusine Hakobyan/Wida Ang
Sample Type:	6.0 L Silonite Canister(s)
Test Notes:	

Date(s) Collected: 1/1/16 Date(s) Received: 1/1/16 Date(s) Analyzed: 12/31 - 1/1/16

		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	P151231-MB	104	99	103	70-130	
Method Blank	P160101-MB	96	102	98	70-130	
Lab Control Sample	P151231-LCS	101	98	105	70-130	
Lab Control Sample	P160101-LCS	92	100	98	70-130	
Porter Ridge Park	P1600002-001	104	99	103	70-130	
Starter Set Preschool	P1600002-002	97	102	98	70-130	
Castlebay Elementary School	P1600002-003	105	98	106	70-130	
Highlands 2	P1600002-004	103	100	97	70-130	
Highlands 2	P1600002-004DUP	103	100	97	70-130	
Porter Ranch Community School	P1600002-005	105	98	105	70-130	
Holleigh Bernson Park	P1600002-006	102	100	97	70-130	_
Porter Ranch Estates	P1600002-007	104	98	104	70-130	
Highlands 1	P1600002-008	102	100	99	70-130	
R-1	P1600002-009	103	98	105	70-130	
SF-2/5	P1600002-010	100	100	99	70-130	
SF-1	P1600002-011	105	98	105	70-130	
P-40	P1600002-012	98	100	98	70-130	
MA1-A	P1600002-013	104	98	104	70-130	
T-3 Low Road	P1600002-014	97	100	99	70-130	
T-3 High Road	P1600002-015	105	98	104	70-130	
Porter Ranch Estates 2	P1600002-016	97	101	98	70-130	
Highlands 3	P1600002-017	105	98	105	70-130	
SS-3H	P1600002-018	95	102	99	70-130	
SS-09	P1600002-019	104	98	104	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client:	GeoSyntec Consultants				
Client Sample ID:	Lab Control Sample	ALS Project ID: P1600002			
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P151231-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: 12/31/15			
Sample Type:	6.0 L Silonite Canister	Volume(s) Analyzed: 0.125 Liter(s)			
Test Notes:					

				ALS					
CAS #	Compound	Spike Amount	Result	% Recovery	Acceptance	Data			
		ppbV	ppbV		Limits	Qualifier			
71-43-2	Benzene	70.8	64.0	90	61-110				
108-88-3	Toluene	57.9	48.5	84	67-117				
100-41-4	Ethylbenzene	50.2	43.9	87	69-123				
179601-23-1	m,p-Xylenes	98.6	85.8	87	67-125				
95-47-6	o-Xylene	48.4	41.5	86	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:	GeoSyntec Consultants				
Client Sample ID:	Lab Control Sample	ALS Project ID: P1600002			
Client Project ID:	SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424	ALS Sample ID: P160101-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: 1/1/16			
Sample Type:	6.0 L Silonite Canister	Volume(s) Analyzed: 0.125 Liter(s)			
Test Notes:					

			ALS				
CAS #	Compound	Spike Amount	Result	% Recovery	Acceptance	Data	
		ppbV	ppbV		Limits	Qualifier	
71-43-2	Benzene	70.8	60.2	85	61-110		
108-88-3	Toluene	57.9	51.4	89	67-117		
100-41-4	Ethylbenzene	50.2	47.1	94	69-123		
179601-23-1	m,p-Xylenes	98.6	92.2	94	67-125		
95-47-6	o-Xylene	48.4	45.7	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 DUPLICATE SUMMARY RESULTS

Page 1 of 1

Client:	GeoSyntec Consultants									
Client Sample ID:	Highlands 2				ALS I	Project ID:	P1600002			
Client Project ID:	SOUTHERN CALIFORNIA GAS-	ALISO CAN	YON STATIO	ON / 14424	ALS S	ample ID:	P1600002	-004DUI)	
Test Code:	EPA TO-15				Date Collected: 1/1/16					
Instrument ID:	Tekmar AUTOCAN/Agilent 59	73inert/689(N/MS8		Date Received: 1/1/16					
Analyst:	Wida Ang	/ 511101 / 00 /	514/10150			Analyzed:				
•	6.0 L Silonite Canister					•		Litar(a)		
Sample Type:	0.0 L Shohne Callister				Volume(s)	Anaryzeu:	1.00	Liter(s)		
Test Notes:	4 000000									
Container ID:	AS00922									
	Initial Pressure (psig):	-1.24		Final Press	ure (psig):	3.66				
	Canister Dilution Factor: 1.36									
	Duplicate									
Compound		Sample	Result	-		Average	% RPD	RPD	Data	
_		μg/m³	ppbV	μg/m ³	ppbV	ppbV		Limit	Qualifier	
Benzene		0.273	0.0856	0.271	0.0848	0.0852	0.9	25		
Toluene		ND	ND	ND	ND	-	-	25		
Ethylbenzene		ND	ND	ND	ND	-	-	25		
m,p-Xylenes		ND	ND	ND	ND	-	-	25		
o-Xylene		ND	ND	ND	ND	-	-	25		

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