



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

LABORATORY REPORT

January 1, 2016

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

RE: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

Dear Ruth:

Enclosed are the results of the samples submitted to our laboratory on December 31, 2015. For your reference, these analyses have been assigned our service request number P1505655.

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

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

Respectfully submitted,

ALS | Environmental

By Kate Aguilera at 11:28 am, Jan 01, 2016

For Sue Anderson
Project Manager



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Client: GeoSyntec Consultants Service Request No: P1505655
Project: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on December 31, 2015 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 within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

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

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

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

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

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

Service Request: P1505655

Date Received: 12/31/2015
 Time Received: 11:38

ASTM D 5504-12 - Sulfur Bag

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	
Porter Ridge Park	P1505655-001	Air	12/31/2015	07:33	X
Starter Set Preschool	P1505655-002	Air	12/31/2015	07:15	X
Castlebay Elementary School	P1505655-003	Air	12/31/2015	06:55	X
Highlands 2	P1505655-004	Air	12/31/2015	06:31	X
Porter Ranch Community School	P1505655-005	Air	12/31/2015	04:35	X
Holleigh Bernson Park	P1505655-006	Air	12/31/2015	04:58	X
Porter Ranch Estates	P1505655-007	Air	12/31/2015	05:17	X
Highlands 1	P1505655-008	Air	12/31/2015	05:56	X
R-1	P1505655-009	Air	12/31/2015	09:56	X
SF-2/5	P1505655-010	Air	12/31/2015	09:17	X
SF-1	P1505655-011	Air	12/31/2015	08:54	X
P-40	P1505655-012	Air	12/31/2015	08:29	X
MA1-A	P1505655-013	Air	12/31/2015	07:59	X
T-3 Low Road	P1505655-014	Air	12/31/2015	04:04	X
T-3 High Road	P1505655-015	Air	12/31/2015	03:40	X
Porter Ranch Estates 2	P1505655-016	Air	12/31/2015	05:37	X
Highlands 3	P1505655-017	Air	12/31/2015	06:14	X
SS-3H	P1505655-018	Air	12/31/2015	02:56	X
SS-09	P1505655-019	Air	12/31/2015	02:33	X



Air - Chain of Custody Record & Analytical Service Request

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

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. **P1505655**

Company Name & Address (Reporting Information)
AIRKINETICS, INC.
 1308 S. Allec Street
 Anaheim, CA 92805

Project Manager
SON BUI

Phone (714) 254-1945
 Fax (714) 956-2350

Email Address for Result Reporting

Project Name
 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION

Project Number
 14424

P.O. # / Billing Information

ALS Contact:
Sue Anderson

Analysis Method
ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)

Comment
 e.g. Actual Preservative or specific instructions

Sampler (Print & Sign)
Kenny Lieu

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Media Sample Volume	TO-3 modified C1-C6 & TGNMO as Methane	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	TO-15 (BTEX)	Comment
Porter Ridge Park	1	12-31-15	0723-0733	NA	NA	NA	NA	Tedlar Bag	X			
Starter Set Preschool	2	12-31-15	0705-0715	NA	NA	NA	NA	Tedlar Bag	X			
Castlebay Elementary School	3	12-31-15	0645-0655	NA	NA	NA	NA	Tedlar Bag	X			
Highlands 2	4	12-31-15	0621-0631	NA	NA	NA	NA	Tedlar Bag	X			
Porter Ranch Community School	5	12-31-15	0425-0435	NA	NA	NA	NA	Tedlar Bag	X			
Holligh Bernson Park	6	12-31-15	0448-0458	NA	NA	NA	NA	Tedlar Bag	X			
Porter Ranch Estates	7	12-31-15	0527-0517	NA	NA	NA	NA	Tedlar Bag	X			
Highlands 1	8	12-31-15	0546-0556	NA	NA	NA	NA	Tedlar Bag	X			
R-1	9	12-31-15	0946-0956	NA	NA	NA	NA	Tedlar Bag	X			
SF-2/5	10	12-31-15	0907-0917	NA	NA	NA	NA	Tedlar Bag	X			
SF-1	11	12-31-15	0844-0854	NA	NA	NA	NA	Tedlar Bag	X			
P-40	12	12-31-15	0819-0829	NA	NA	NA	NA	Tedlar Bag	X			
MA1-A	13	12-31-15	0749-0759	NA	NA	NA	NA	Tedlar Bag	X			
T-3 Low Road	14	12-31-15	0354-0404	NA	NA	NA	NA	Tedlar Bag	X			

Report Tier Levels - please select
 Tier I - Results (Default if not specified) _____
 Tier II (Results + QC Summaries)
 Tier III (Results + QC & Calibration Summaries) _____
 Tier IV (Data Validation Package) 10% Surcharge Type: _____

Chain of Custody Seal: (Circle)
 INTACT BROKEN ABSENT

Units: _____

Relinquished by: (Signature) *Kenny Lieu* Date: 12-31-15 Time: 11:38
 Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) *Sue Anderson* Date: 12-31-15 Time: 11:38
 Received by: (Signature) _____ Date: _____ Time: _____



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Air - Chain of Custody Record & Analytical Service Request

Requested Turnaround Time in Business Days (Surcharges) please circle
 (1 Day (100%)) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P1505655

Company Name & Address (Reporting Information)
 AIRKINETICS, INC.
 1308 S. Alec Street
 Anaheim, CA 92805

Project Manager
 SON BUI
 Phone (714) 254-1945 Fax (714) 956-2350
 Email Address for Result Reporting

Project Name
 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION
 Project Number 14424
 P.O. # / Billing Information

ALS Contact: Sue Anderson

Analysis Method
 TO-3 modified C1-C6 & TGMMO as Methane
 ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)
 TO-15 (BTEX)

Comment
 e.g. Actual Preservative or specific instructions

Sampler (Print & Sign)
 Kenny Liew *Kenny Liew*

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Media Sample Volume	Chain of Custody Seal: (Circle)	
									INTACT	BROKEN
T-3 High Road	15	12-31-15	0320-0340	NA	NA	NA	NA	Tedlar Bag	X	
Porter Ranch Estates 2	16	12-31-15	0527-0537	NA	NA	NA	NA	Tedlar Bag	X	
Highlands 3	17	12-31-15	0604-0614	NA	NA	NA	NA	Tedlar Bag	X	
SS-3H	18	12-31-15	0246-0256	NA	NA	NA	NA	Tedlar Bag	X	
SS-09	19	12-31-15	0223-0233	NA	NA	NA	NA	Tedlar Bag	X	

Report Tier Levels - please select
 Tier I - Results (Default if not specified) _____
 Tier II (Results + QC Summaries)
 Tier III (Results + QC & Calibration Summaries) ___ EDD required Yes / No
 Tier IV (Data Validation Package) 10% Surcharge Type: _____ Units: _____

Relinquished by: (Signature) *Kenny Liew* Date: 12-31-15 Time: 11:38
 Received by: (Signature) _____ Date: _____ Time: _____
 Relinquished by: (Signature) _____ Date: _____ Time: _____
 Received by: (Signature) _____ Date: _____ Time: _____

**ALS Environmental
Sample Acceptance Check Form**

Client: GeoSyntec Consultants Work order: P1505655
 Project: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424
 Sample(s) received on: 12/31/15 Date opened: 12/31/15 by: KKELPE

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

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

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1505655-001.01	1 L Zefon Bag					
P1505655-002.01	1 L Zefon Bag					
P1505655-003.01	1 L Zefon Bag					
P1505655-004.01	1 L Zefon Bag					
P1505655-005.01	1 L Zefon Bag					
P1505655-006.01	1 L Zefon Bag					
P1505655-007.01	1 L Zefon Bag					
P1505655-008.01	1 L Zefon Bag					
P1505655-009.01	1 L Zefon Bag					
P1505655-010.01	1 L Zefon Bag					
P1505655-011.01	1 L Zefon Bag					
P1505655-012.01	1 L Zefon Bag					
P1505655-013.01	1 L Zefon Bag					
P1505655-014.01	1 L Zefon Bag					
P1505655-015.01	1 L Zefon Bag					

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

ALS Environmental
Sample Acceptance Check Form

Client: GeoSyntec Consultants

Work order: P1505655

Project: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

Sample(s) received on: 12/31/15

Date opened: 12/31/15

by: KKELPE

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1505655-016.01	1 L Zefon Bag					
P1505655-017.01	1 L Zefon Bag					
P1505655-018.01	1 L Zefon Bag					
P1505655-019.01	1 L Zefon Bag					

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Porter Ridge Park

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-001

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 07:33

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 14:19

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Starter Set Preschool

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-002

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 07:15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 14:35

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

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: P1505655

ALS Sample ID: P1505655-003

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 06:55

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 14:51

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 2

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-004

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 06:31

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 15:08

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

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: P1505655
 ALS Sample ID: P1505655-005

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

Date Collected: 12/31/15
 Time Collected: 04:35
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Time Analyzed: 15:23
 Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

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

ALS Project ID: P1505655
 ALS Sample ID: P1505655-006

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

Date Collected: 12/31/15
 Time Collected: 04:58
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Time Analyzed: 15:39
 Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-007

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 05:17

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 15:58

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 1

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 05:56

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 16:14

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: R-1

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-009

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 09:56

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 16:30

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: SF-2/5

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-010

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 09:17

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 16:45

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: SF-1

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-011

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 08:54

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 17:14

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: P-40

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-012

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 08:29

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 17:30

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: MA1-A

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-013

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 07:59

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 17:45

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: T-3 Low Road

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-014

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 04:04

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 18:05

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: T-3 High Road

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-015

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 03:40

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 18:20

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates 2

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-016

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 05:37

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 18:41

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Highlands 3

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-017

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 06:14

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 19:02

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: SS-3H

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-018

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 02:56

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 19:26

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: SS-09

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

ALS Project ID: P1505655

ALS Sample ID: P1505655-019

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 12/31/15

Time Collected: 02:33

Date Received: 12/31/15

Date Analyzed: 12/31/15

Time Analyzed: 19:50

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424 ALS Project ID: P1505655

Total Reduced Sulfur as Hydrogen Sulfide

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

Date(s) Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15

Client Sample ID	ALS Sample ID	Injection		Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV
		Volume ml(s)	Time Analyzed				
Porter Ridge Park	P1505655-001	2.0	14:19	ND	7.0	ND	5.0
Starter Set Preschool	P1505655-002	2.0	14:35	ND	7.0	ND	5.0
Castlebay Elementary School	P1505655-003	2.0	14:51	ND	7.0	ND	5.0
Highlands 2	P1505655-004	2.0	15:08	ND	7.0	ND	5.0
Porter Ranch Community School	P1505655-005	2.0	15:23	ND	7.0	ND	5.0
Holleigh Bernson Park	P1505655-006	2.0	15:39	ND	7.0	ND	5.0
Porter Ranch Estates	P1505655-007	2.0	15:58	ND	7.0	ND	5.0
Highlands 1	P1505655-008	2.0	16:14	ND	7.0	ND	5.0
R-1	P1505655-009	2.0	16:30	ND	7.0	ND	5.0
SF-2/5	P1505655-010	2.0	16:45	ND	7.0	ND	5.0
SF-1	P1505655-011	2.0	17:14	ND	7.0	ND	5.0
P-40	P1505655-012	2.0	17:30	ND	7.0	ND	5.0
MA1-A	P1505655-013	2.0	17:45	ND	7.0	ND	5.0
T-3 Low Road	P1505655-014	2.0	18:05	ND	7.0	ND	5.0
T-3 High Road	P1505655-015	2.0	18:20	ND	7.0	ND	5.0
Porter Ranch Estates 2	P1505655-016	2.0	18:41	ND	7.0	ND	5.0
Highlands 3	P1505655-017	2.0	19:02	ND	7.0	ND	5.0
SS-3H	P1505655-018	2.0	19:26	ND	7.0	ND	5.0
SS-09	P1505655-019	2.0	19:50	ND	7.0	ND	5.0
Method Blank	P151231-MB	2.0	14:01	ND	7.0	ND	5.0

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

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

Data
Qualifier

ethod.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Method Blank

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

ALS Project ID: P1505655

ALS Sample ID: P151231-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Time Collected: NA

Date Received: NA

Date Analyzed: 12/31/15

Time Analyzed: 14:01

Volume(s) Analyzed: 2.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

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Client: GeoSyntec Consultants

Client Sample ID: Lab Control Sample

ALS Project ID: P1505655

Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424 ALS Sample ID: P151231-LCS

Test Code: ASTM D 5504-12

Date Collected: NA

Instrument ID: Agilent 7890A/GC22/SCD

Date Received: NA

Analyst: Mike Conejo

Date Analyzed: 12/31/15

Sample Type: 1 L Zefon Bag

Volume(s) Analyzed: NA ml(s)

Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
7783-06-4	Hydrogen Sulfide	1,000	910	91	65-138	
463-58-1	Carbonyl Sulfide	1,000	895	90	60-135	
74-93-1	Methyl Mercaptan	1,000	891	89	57-140	



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LABORATORY REPORT

January 1, 2016

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

RE: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Dear Ruth:

Enclosed are the results of the samples submitted to our laboratory on December 31, 2015. For your reference, these analyses have been assigned our service request number P1505656.

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

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

Respectfully submitted,

ALS | Environmental

By Kate Aguilera at 11:30 am, Jan 01, 2016

For Sue Anderson
Project Manager



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Client: GeoSyntec Consultants Service Request No: P1505656
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on December 31, 2015 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

C1 through C6 Hydrocarbon Analysis

The samples were analyzed per modified EPA Method TO-3 for C1 through >C6 hydrocarbons and total gaseous non-methane organics as methane using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TO3C1C6. This method is included on the laboratory's DoD-ELAP scope of accreditation, however it is not part of the NELAP or AIHA-LAP accreditation.

Volatile Organic Compound Analysis

The samples were also analyzed for 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.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

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

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

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

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

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

Service Request: P1505656

Date Received: 12/31/2015
 Time Received: 11:38

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans	
								TO-3 Modified - ClC6+ Can	TO-15 - VOC Cans
Porter Ridge Park	P1505656-001	Air	12/31/2015	07:33	AS00928	-1.84	3.54	X	X
Starter Set Preschool	P1505656-002	Air	12/31/2015	07:15	AS00964	-1.76	3.60	X	X
Castlebay Elementary School	P1505656-003	Air	12/31/2015	06:55	AS00902	-1.51	3.64	X	X
Highlands 2	P1505656-004	Air	12/31/2015	06:31	AS00931	-1.62	3.53	X	X
Porter Ranch Community School	P1505656-005	Air	12/31/2015	04:35	AS00938	-1.49	3.56	X	X
Holleigh Bernson Park	P1505656-006	Air	12/31/2015	04:58	AS00945	-1.94	3.47	X	X
Porter Ranch Estates	P1505656-007	Air	12/31/2015	05:17	AS00944	-1.81	3.80	X	X
Highlands 1	P1505656-008	Air	12/31/2015	05:56	AS00935	-1.54	3.71	X	X
R-1	P1505656-009	Air	12/31/2015	09:56	AS00939	-1.81	3.59	X	X
SF-2/5	P1505656-010	Air	12/31/2015	09:17	AS00943	-2.56	3.79	X	X
SF-1	P1505656-011	Air	12/31/2015	08:54	AS00948	-3.05	3.70	X	X
P-40	P1505656-012	Air	12/31/2015	08:29	AS00925	-2.74	3.83	X	X
MA1-A	P1505656-013	Air	12/31/2015	07:59	AS00930	-2.07	3.48	X	X
T-3 Low Road	P1505656-014	Air	12/31/2015	04:04	AS00941	-2.22	3.56	X	X
T-3 High Road	P1505656-015	Air	12/31/2015	03:40	AS00940	-1.65	3.76	X	X
Porter Ranch Estates 2	P1505656-016	Air	12/31/2015	05:37	AS00993	-1.81	3.85	X	X
Highlands 3	P1505656-017	Air	12/31/2015	06:14	AS00929	-2.24	3.66	X	X
SS-3H	P1505656-018	Air	12/31/2015	02:56	AS00946	-1.98	3.91	X	X
SS-09	P1505656-019	Air	12/31/2015	02:33	AS00942	-3.25	3.63	X	X



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Air - Chain of Custody Record & Analytical Service Request

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. **P1505032**

Company Name & Address (Reporting Information)		Project Name	
AIRKINETICS, INC. 1308 S. Allec Street Anahelm, CA 92805		SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION	
Project Manager		ALS Contact:	
SON BUI		Sue Anderson	
Phone	Fax	Analysis Method	
(714) 254-1945	(714) 956-2350	ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	
Email Address for Result Reporting		TO-3 modified C1-C6 & TGNMO as Methane	
Please see Kelly Horiuchi for distribution list.		TO-15 (BTEX)	

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Comment
Porter Ridge Park	1	12-31-15	0723-0733	AS00928	0A01982	27.5	3	X	
Starter Set Preschool	2	12-31-15	0705-0715	AS00964	0A01987	24.5	2	X	
Castlebay Elementary School	3	12-31-15	0645-0655	AS00902	0A01980	28.5	4	X	
Highlands 2	4	12-31-15	0621-0631	AS00931	0A01966	29	4	X	
Porter Ranch Community School	5	12-31-15	0425-0435	AS00938	0A01983	29	6	X	
Holleigh Bernson Park	6	12-31-15	0418-0428	AS00945	0A01967	28	5	X	
Porter Ranch Estates	7	12-31-15	0507-0517	AS00944	0A01940	27	2	X	
Highlands 1	8	12-31-15	0546-0556	AS00935	0A01978	30	5	X	
R-1	9	12-31-15	0946-0956	AS00939	0A00141	26	2.5	X	
SF-2/5	10	12-31-15	0907-0917	AS00943	0A00433	27	5	X	
SF-1	11	12-31-15	0844-0854	AS00948	0A00297	26	4	X	
P-40	12	12-31-15	0819-0829	AS00925	0A01942	25	4	X	
MA1-A	13	12-31-15	0749-0759	AS00930	0A01943	29	5	X	
T-3 Low Road	14	12-31-15	0354-0404	AS00941	0A01974	27.5	6	X	

Sampler (Print & Sign) **Kenny Lieu**

Canister ID (Bar code # - AC, SC, etc.)

Flow Controller ID (Bar code # - FC #)

Canister Start Pressure "Hg

Canister End Pressure "Hg/psig

Sample Volume

Comment

Report Tier Levels - please select
 Tier I - Results (Default if not specified) _____
 Tier II (Results + QC Summaries)
 Tier III (Results + QC & Calibration Summaries) _____
 Tier IV (Data Validation Package) 10% Surcharge Type: _____

Chain of Custody Seal: (Circle)
 INTACT BROKEN ABSENT

Relinquished by: (Signature) **Kenny Lieu** Date: 12-31-15 Time: 11:38

Relinquished by: (Signature) _____ Date: _____ Time: _____



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Air - Chain of Custody Record & Analytical Service Request

Company Name & Address (Reporting Information) AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805 Project Manager: SON BUI Phone (714) 254-1945 Fax (714) 956-2350 Email Address for Result Reporting		Project Name SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION Project Number 14424 P.O. # / Billing Information		ALS Project No. P80356									
Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard		ALS Contact: Sue Anderson											
Sampler (Print & Sign) <i>Kenny Liew</i>													
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Label	Start Pressure "Hg	End Pressure "Hg/psig	Sample Volume	TO-3 modified C1-C6 as TGNMO as Methane	H2S (Selected sulfur compounds & TRS as)	TO-15 (BTEX)	Comment e.g. Actual Preservative or specific instructions
T-3 High Road	15	12-31-15	0330-0340	AS00940	0A01985	29	4			X		X	
Porter Ranch Estates 2	16	12-31-15	0527-0537	AS00993	0A01894	30	5			X		X	
Highlands 3	17	12-31-15	0604-0614	AS00929	0A01979	29	5			X		X	
SS-3H	18	12-31-15	0246-0256	AS00946	0A01968	28.5	5			X		X	
SS-09	19	12-31-15	0223-0233	AS00942	0A00827	26	5			X		X	
Report Tier Levels - please select Tier I - Results (Default if not specified) _____ Tier II (Results + QC Summaries) <input checked="" type="checkbox"/> _____ Tier III (Results + QC & Calibration Summaries) _____ EDD required (Yes/ No) _____ Tier IV (Data Validation Package) 10% Surcharge Type: _____ Units: _____													
Chain of Custody Seal: (Circle) INTACT <input checked="" type="radio"/> BROKEN <input type="radio"/> ABSENT <input type="radio"/>													
Relinquished by: (Signature) <i>Kenny Liew</i>		Date: 12-31-15 11:38		Received by: (Signature) <i>[Signature]</i>		Date: 12-31-15 11:38							
Relinquished by: (Signature) <i>[Signature]</i>		Date: _____		Received by: (Signature) _____		Date: _____							

**ALS Environmental
Sample Acceptance Check Form**

Client: GeoSyntec Consultants Work order: P1505656
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
 Sample(s) received on: 12/31/15 Date opened: 12/31/15 by: ADAVID

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

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

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1505656-001.01	6.0 L Silonite Can					
P1505656-002.01	6.0 L Silonite Can					
P1505656-003.01	6.0 L Silonite Can					
P1505656-004.01	6.0 L Silonite Can					
P1505656-005.01	6.0 L Silonite Can					
P1505656-006.01	6.0 L Silonite Can					
P1505656-007.01	6.0 L Silonite Can					
P1505656-008.01	6.0 L Silonite Can					
P1505656-009.01	6.0 L Silonite Can					
P1505656-010.01	6.0 L Silonite Can					
P1505656-011.01	6.0 L Silonite Can					
P1505656-012.01	6.0 L Silonite Can					
P1505656-013.01	6.0 L Silonite Can					
P1505656-014.01	6.0 L Silonite Can					
P1505656-015.01	6.0 L Silonite Can					

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

**ALS Environmental
Sample Acceptance Check Form**

Client: GeoSyntec Consultants Work order: P1505656
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424
 Sample(s) received on: 12/31/15 Date opened: 12/31/15 by: ADAVID

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1505656-016.01	6.0 L Silonite Can					
P1505656-017.01	6.0 L Silonite Can					
P1505656-018.01	6.0 L Silonite Can					
P1505656-019.01	6.0 L Silonite Can					

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants
Client Sample ID: Porter Ridge Park
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1505656
 ALS Sample ID: P1505656-001

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00928

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.84 Final Pressure (psig): 3.54

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data 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.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Starter Set Preschool

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-002

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00964

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.76 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.41

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.1	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.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

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

ALS Project ID: P1505656
 ALS Sample ID: P1505656-003

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00902

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.64

Canister Dilution Factor: 1.39

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.70	
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆₊ as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 2

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-004

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00931

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.62 Final Pressure (psig): 3.53

Canister Dilution Factor: 1.39

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

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

ALS Project ID: P1505656
 ALS Sample ID: P1505656-005

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00938

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.49 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.38

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.69	
C ₂ as Ethane	ND	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆₊ as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Holleigh Bernson Park

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-006

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00945

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.94

Final Pressure (psig): 3.47

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	16	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.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-007

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00944

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.80

Canister Dilution Factor: 1.44

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	6.8	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.

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Highlands 1

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-008

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00935

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.54 Final Pressure (psig): 3.71

Canister Dilution Factor: 1.40

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

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: R-1

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-009

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00939

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.1	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.

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: SF-2/5

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-010

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00943

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.56 Final Pressure (psig): 3.79

Canister Dilution Factor: 1.52

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	11	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.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: SF-1

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-011

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00948

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -3.05 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.58

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	15	0.79	
C ₂ as Ethane	ND	0.79	
C ₃ as Propane	ND	0.79	
C ₄ as n-Butane	ND	0.79	
C ₅ as n-Pentane	ND	0.79	
C ₆ as n-Hexane	ND	0.79	
C ₆₊ as n-Hexane	ND	0.79	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: P-40

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-012

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00925

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.74 Final Pressure (psig): 3.83

Canister Dilution Factor: 1.55

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	0.78	
C ₂ as Ethane	ND	0.78	
C ₃ as Propane	ND	0.78	
C ₄ as n-Butane	ND	0.78	
C ₅ as n-Pentane	ND	0.78	
C ₆ as n-Hexane	ND	0.78	
C ₆₊ as n-Hexane	ND	0.78	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: MA1-A

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-013

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Mike Conejo/Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00930

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.07 Final Pressure (psig): 3.48

Canister Dilution Factor: 1.44

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

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

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

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RESULTS OF ANALYSIS

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

ALS Project ID: P1505656
 ALS Sample ID: P1505656-014

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Mike Conejo/Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00941

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.22 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.46

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.73	
C ₂ as Ethane	ND	0.73	
C ₃ as Propane	ND	0.73	
C ₄ as n-Butane	ND	0.73	
C ₅ as n-Pentane	ND	0.73	
C ₆ as n-Hexane	ND	0.73	
C ₆₊ as n-Hexane	ND	0.73	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: T-3 High Road

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-015

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Mike Conejo/Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00940

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.65 Final Pressure (psig): 3.76

Canister Dilution Factor: 1.41

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	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.

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

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Client: GeoSyntec Consultants
Client Sample ID: Porter Ranch Estates 2
Client Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

ALS Project ID: P1505656
 ALS Sample ID: P1505656-016

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Mike Conejo/Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00993

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.85

Canister Dilution Factor: 1.44

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	3.4	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.

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

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

ALS Project ID: P1505656
 ALS Sample ID: P1505656-017

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Mike Conejo/Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00929

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.47

Compound	Result ppmV	MRL ppmV	Data 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.

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

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Client: GeoSyntec Consultants

Client Sample ID: SS-3H

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-018

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Mike Conejo/Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00946

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.98 Final Pressure (psig): 3.91

Canister Dilution Factor: 1.46

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	14	0.73	
C ₂ as Ethane	ND	0.73	
C ₃ as Propane	ND	0.73	
C ₄ as n-Butane	ND	0.73	
C ₅ as n-Pentane	ND	0.73	
C ₆ as n-Hexane	ND	0.73	
C ₆₊ as n-Hexane	ND	0.73	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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

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

ALS Project ID: P1505656
 ALS Sample ID: P1505656-019

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Mike Conejo/Evelyn Alvarez
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00942

Date Collected: 12/31/15
 Date Received: 12/31/15
 Date Analyzed: 12/31/15
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -3.25 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.60

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	25	0.80	
C ₂ as Ethane	ND	0.80	
C ₃ as Propane	ND	0.80	
C ₄ as n-Butane	ND	0.80	
C ₅ as n-Pentane	ND	0.80	
C ₆ as n-Hexane	ND	0.80	
C ₆₊ as n-Hexane	ND	0.80	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

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

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

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Client: GeoSyntec Consultants

Client Sample ID: Method Blank

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

ALS Project ID: P1505656

ALS Sample ID: P151231-MB

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Evelyn Alvarez

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.0 ml(s)

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

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

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

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

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Client: GeoSyntec Consultants

Client Sample ID: Lab Control Sample

ALS Project ID: P1505656

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

ALS Sample ID: P151231-LCS

Test Code: EPA TO-3 Modified

Date Collected: NA

Instrument ID: HP5890 II/GC8/FID

Date Received: NA

Analyst: Evelyn Alvarez

Date Analyzed: 12/31/15

Sampling Media: 6.0 L Silonite Canister

Volume(s) Analyzed: NA ml(s)

Test Notes:

Compound	Spike Amount ppmV	Result ppmV	% Recovery	ALS	
				Acceptance Limits	Data Qualifier
Methane	1,020	893	88	83-107	
Ethane	1,010	985	98	77-111	
Propane	1,010	1,010	100	78-110	
n-Butane	1,010	1,010	100	73-109	
n-Pentane	1,010	1,070	106	75-115	
n-Hexane	1,020	1,110	109	73-121	

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Porter Ridge Park

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-001

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00928

Initial Pressure (psig): -1.84 Final Pressure (psig): 3.54

Canister Dilution Factor: 1.42

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
71-43-2	Benzene	0.33	0.14	0.10	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.71	ND	0.16	
95-47-6	o-Xylene	ND	0.71	ND	0.16	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Starter Set Preschool

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-002

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00964

Initial Pressure (psig): -1.76 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.41

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.31	0.14	0.098	0.044	
108-88-3	Toluene	0.75	0.71	0.20	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.

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Castlebay Elementary School

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-003

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00902

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.64

Canister Dilution Factor: 1.39

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.40	0.14	0.13	0.044	
108-88-3	Toluene	0.83	0.70	0.22	0.18	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Highlands 2

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-004

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00931

Initial Pressure (psig): -1.62 Final Pressure (psig): 3.53

Canister Dilution Factor: 1.39

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.31	0.14	0.098	0.044	
108-88-3	Toluene	0.70	0.70	0.19	0.18	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

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

ALS ENVIRONMENTAL

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Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Community School

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-005

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00938

Initial Pressure (psig): -1.49 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.38

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.49	0.14	0.15	0.043	
108-88-3	Toluene	0.81	0.69	0.21	0.18	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.69	ND	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Holleigh Bernson Park

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

ALS Project ID: P1505656

ALS Sample ID: P1505656-006

Test Code: EPA TO-15

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

Analyst: Simon Cao

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00945

Date Collected: 12/31/15

Date Received: 12/31/15

Date Analyzed: 12/31/15

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.94 Final Pressure (psig): 3.47

Canister Dilution Factor: 1.42

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
71-43-2	Benzene	0.67	0.14	0.21	0.044	
108-88-3	Toluene	1.3	0.71	0.35	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.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-007

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00944

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.80

Canister Dilution Factor: 1.44

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.43	0.14	0.13	0.045	
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.17	
95-47-6	o-Xylene	ND	0.72	ND	0.17	

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

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

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Client: GeoSyntec Consultants

Client Sample ID: Highlands 1

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-008

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00935

Initial Pressure (psig): -1.54 Final Pressure (psig): 3.71

Canister Dilution Factor: 1.40

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
71-43-2	Benzene	0.31	0.14	0.096	0.044	
108-88-3	Toluene	ND	0.70	ND	0.19	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.70	ND	0.16	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: R-1

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-009

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00939

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.42

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
71-43-2	Benzene	0.31	0.14	0.096	0.044	
108-88-3	Toluene	0.75	0.71	0.20	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.

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: SF-2/5

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-010

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00943

Initial Pressure (psig): -2.56 Final Pressure (psig): 3.79

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.52	0.15	0.16	0.048	
108-88-3	Toluene	0.93	0.76	0.25	0.20	
100-41-4	Ethylbenzene	ND	0.76	ND	0.18	
179601-23-1	m,p-Xylenes	ND	0.76	ND	0.18	
95-47-6	o-Xylene	ND	0.76	ND	0.18	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: SF-1

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-011

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00948

Initial Pressure (psig): -3.05 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.58

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.67	0.16	0.21	0.049	
108-88-3	Toluene	1.0	0.79	0.26	0.21	
100-41-4	Ethylbenzene	ND	0.79	ND	0.18	
179601-23-1	m,p-Xylenes	ND	0.79	ND	0.18	
95-47-6	o-Xylene	ND	0.79	ND	0.18	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: P-40

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-012

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00925

Initial Pressure (psig): -2.74 Final Pressure (psig): 3.83

Canister Dilution Factor: 1.55

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
71-43-2	Benzene	0.27	0.16	0.085	0.049	
108-88-3	Toluene	ND	0.78	ND	0.21	
100-41-4	Ethylbenzene	ND	0.78	ND	0.18	
179601-23-1	m,p-Xylenes	ND	0.78	ND	0.18	
95-47-6	o-Xylene	ND	0.78	ND	0.18	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: MA1-A

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-013

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00930

Initial Pressure (psig): -2.07 Final Pressure (psig): 3.48

Canister Dilution Factor: 1.44

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
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	0.17	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.17	
95-47-6	o-Xylene	ND	0.72	ND	0.17	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: T-3 Low Road

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-014

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00941

Initial Pressure (psig): -2.22 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.46

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
71-43-2	Benzene	0.29	0.15	0.092	0.046	
108-88-3	Toluene	ND	0.73	ND	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.73	ND	0.17	
95-47-6	o-Xylene	ND	0.73	ND	0.17	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: T-3 High Road

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-015

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00940

Initial Pressure (psig): -1.65 Final Pressure (psig): 3.76

Canister Dilution Factor: 1.41

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.38	0.14	0.12	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.71	ND	0.16	
95-47-6	o-Xylene	ND	0.71	ND	0.16	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates 2

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-016

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00993

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.85

Canister Dilution Factor: 1.44

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.34	0.14	0.11	0.045	
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.17	
95-47-6	o-Xylene	ND	0.72	ND	0.17	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 3

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-017

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00929

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.47

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.30	0.15	0.095	0.046	
108-88-3	Toluene	ND	0.74	ND	0.20	
100-41-4	Ethylbenzene	ND	0.74	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.74	ND	0.17	
95-47-6	o-Xylene	ND	0.74	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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: SS-3H

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-018

Test Code: EPA TO-15

Date Collected: 12/31/15

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

Date Received: 12/31/15

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00946

Initial Pressure (psig): -1.98 Final Pressure (psig): 3.91

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.54	0.15	0.17	0.046	
108-88-3	Toluene	0.90	0.73	0.24	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.73	ND	0.17	
95-47-6	o-Xylene	ND	0.73	ND	0.17	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: SS-09

ALS Project ID: P1505656

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

ALS Sample ID: P1505656-019

Test Code: EPA TO-15

Date Collected: 12/31/15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 12/31/15

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00942

Initial Pressure (psig): -3.25 Final Pressure (psig): 3.63

Canister Dilution Factor: 1.60

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.39	0.16	0.12	0.050	
108-88-3	Toluene	ND	0.80	ND	0.21	
100-41-4	Ethylbenzene	ND	0.80	ND	0.18	
179601-23-1	m,p-Xylenes	ND	0.80	ND	0.18	
95-47-6	o-Xylene	ND	0.80	ND	0.18	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: GeoSyntec Consultants

Client Sample ID: Method Blank

ALS Project ID: P1505656

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

ALS Sample ID: P151230-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 12/30/15

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		Data Qualifier
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	ppbV	ppbV	
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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Method Blank

ALS Project ID: P1505656

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

ALS Sample ID: P151231-MB

Test Code: EPA TO-15

Date Collected: NA

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

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 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 Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
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.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: GeoSyntec Consultants

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

ALS Project ID: P1505656

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date(s) Collected: 12/31/15

Date(s) Received: 12/31/15

Analyst: Simon Cao/Lusine Hakobyan

Date(s) Analyzed: 12/30 - 12/31/15

Sample Type: 6.0 L Silonite Canister(s)

Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P151230-MB	103	100	101	70-130	
Method Blank	P151231-MB	87	106	102	70-130	
Lab Control Sample	P151230-LCS	102	99	102	70-130	
Lab Control Sample	P151231-LCS	81	104	105	70-130	
Porter Ridge Park	P1505656-001	103	98	104	70-130	
Starter Set Preschool	P1505656-002	88	102	102	70-130	
Castlebay Elementary School	P1505656-003	103	98	103	70-130	
Highlands 2	P1505656-004	88	102	102	70-130	
Porter Ranch Community School	P1505656-005	104	98	103	70-130	
Holleigh Bernson Park	P1505656-006	86	103	103	70-130	
Porter Ranch Estates	P1505656-007	104	98	103	70-130	
Highlands 1	P1505656-008	88	102	104	70-130	
R-1	P1505656-009	104	98	104	70-130	
SF-2/5	P1505656-010	84	104	105	70-130	
SF-1	P1505656-011	104	98	103	70-130	
P-40	P1505656-012	87	103	105	70-130	
MA1-A	P1505656-013	104	98	104	70-130	
T-3 Low Road	P1505656-014	85	104	105	70-130	
T-3 High Road	P1505656-015	103	97	103	70-130	
Porter Ranch Estates 2	P1505656-016	83	104	106	70-130	
Highlands 3	P1505656-017	103	98	103	70-130	
SS-3H	P1505656-018	86	104	106	70-130	
SS-09	P1505656-019	104	98	103	70-130	

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

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

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Lab Control Sample

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

ALS Project ID: P1505656

ALS Sample ID: P151230-LCS

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 12/30/15

Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
71-43-2	Benzene	70.8	57.1	81	61-110	
108-88-3	Toluene	57.9	43.6	75	67-117	
100-41-4	Ethylbenzene	50.2	38.9	77	69-123	
179601-23-1	m,p-Xylenes	98.6	75.6	77	67-125	
95-47-6	o-Xylene	48.4	36.5	75	67-124	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Lab Control Sample

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

ALS Project ID: P1505656

ALS Sample ID: P151231-LCS

Test Code: EPA TO-15

Date Collected: NA

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

Date Received: NA

Analyst: Simon Cao

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
71-43-2	Benzene	70.8	61.5	87	61-110	
108-88-3	Toluene	57.9	52.8	91	67-117	
100-41-4	Ethylbenzene	50.2	46.4	92	69-123	
179601-23-1	m,p-Xylenes	98.6	89.3	91	67-125	
95-47-6	o-Xylene	48.4	44.0	91	67-124	

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