



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
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www.alsglobal.com

LABORATORY REPORT

January 2, 2016

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

RE: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

Dear Ruth:

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

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at 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 Kelly Horuchi at 11:50 am, Jan 02, 2016

For Sue Anderson
Project Manager



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Client: GeoSyntec Consultants Service Request No: P1600001
Project: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 1, 2016 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Sulfur Analysis

The samples were analyzed for seven sulfur compounds and total reduced sulfur as hydrogen sulfide (TRS as H₂S) per ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). All compounds with the exception of hydrogen sulfide and carbonyl sulfide are quantitated against the initial calibration curve for methyl mercaptan. The results for TRS as H₂S were determined by obtaining the total response for all chromatographic peaks and quantitating the value against the initial calibration curve for hydrogen sulfide thus generating a result specified as "Total Reduced Sulfur as Hydrogen Sulfide". This method is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP or AIHA-LAP accreditation.

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

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution 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.

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DETAIL SUMMARY REPORT

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

Service Request: P1600001

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

ASTM D 5504-12 - Sulfur Bag

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	
Porter Ridge Park	P1600001-001	Air	1/1/2016	06:30	X
Starter Set Preschool	P1600001-002	Air	1/1/2016	06:10	X
Castlebay Elementary School	P1600001-003	Air	1/1/2016	05:44	X
Highlands 2	P1600001-004	Air	1/1/2016	05:21	X
Porter Ranch Community School	P1600001-005	Air	1/1/2016	03:10	X
Holleigh Bernson Park	P1600001-006	Air	1/1/2016	03:30	X
Porter Ranch Estates	P1600001-007	Air	1/1/2016	03:54	X
Highlands 1	P1600001-008	Air	1/1/2016	04:40	X
R-1	P1600001-009	Air	1/1/2016	08:59	X
SF-2/5	P1600001-010	Air	1/1/2016	08:24	X
SF-1	P1600001-011	Air	1/1/2016	08:00	X
P-40	P1600001-012	Air	1/1/2016	07:39	X
MA1-A	P1600001-013	Air	1/1/2016	07:10	X
T-3 Low Road	P1600001-014	Air	1/1/2016	02:45	X
T-3 High Road	P1600001-015	Air	1/1/2016	02:23	X
Porter Ranch Estates 2	P1600001-016	Air	1/1/2016	04:16	X
Highlands 3	P1600001-017	Air	1/1/2016	05:00	X
SS-3H	P1600001-018	Air	1/1/2016	01:45	X
SS-09	P1600001-019	Air	1/1/2016	01:26	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. **P160001**

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: **SON BUI**

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)**

TO-15 (BTEX)

Comment: e.g. Actual Preservative or specific instructions

Please see Kelly Horiuchi for distribution list.

Sampler (Print & Sign): **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	as Methane TO-15 modified C1-C6 & TGNMO	Analysis Method	Comment
Porter Ridge Park	-001	01-01-16	0620-0630	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Starter Set Preschool	-002	01-01-16	0600-0610	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Castlebay Elementary School	-003	01-01-16	0534-0544	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Highlands 2	-004	01-01-16	0511-0521	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Porter Ranch Community School	-005	01-01-16	0300-0310	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Holleigh Bernson Park	-006	01-01-16	0320-0330	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Porter Ranch Estates	-007	01-01-16	0344-0354	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
Highlands 1	-008	01-01-16	0430-0440	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
R-1	-009	01-01-16	0849-0859	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
SF-2/5	-010	01-01-16	0814-0824	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
SF-1	-011	01-01-16	0750-0800	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
P-40	-012	01-01-16	0729-0739	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
MA1-A	-013	01-01-16	0700-0710	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	
T-3 Low Road	-014	01-01-16	0235-0245	NA	NA	NA	NA	Tedlar Bag	X	ASTM D 5504-12 (Selected sulfur compounds & TFS as H2S)	

Report Tier Levels - please select
 Tier I (Results + QC & Calibration Summaries) EDD required (Yes/No) No
 Tier II (Results + QC Summaries) X
 Tier III (Results + QC & Calibration Summaries) EDD required (Yes/No) No
 Tier IV (Data Validation Package) 10% Surcharge Type: Intact Broken Absent

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Relinquished by: (Signature) **Kelly Horiuchi** Date: 01-01-16 Time: 1008
 Received by: (Signature) **Kato Aguilera** Date: 01-11-16 Time: 1008



Air - Chain of Custody Record & Analytical Service Request

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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** ALS Project No. **PLC 00001**

Company Name & Address (Reporting Information) AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805			Project Name SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION			Analysis Method TO-3 modified C1-C6 & TGNMO as Methane ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S) TO-15 (BTEX)		Comment e.g. Actual Preservative or specific instructions
Project Manager SON BUI Phone (714) 254-1945 Fax (714) 956-2350 Email Address for Result Reporting Please see Kelly Horiuchi for distribution list.			P.O. # / Billing Information 14424			ALS Contact: Sue Anderson		
Client Sample ID T-3 High Road Porter Ranch Estates 2 Highlands 3 SSS-3H SSS-09			Sampler (Print & Sign) Kenny Liew			Chain of Custody Seal: (Circle) INTACT <input checked="" type="radio"/> BROKEN <input type="radio"/> ABSENT		
Laboratory ID Number 015 016 017 018 019			Canister ID (Bar code # - AC, SC, etc.) NA NA NA NA NA			Flow Controller ID (Bar code # - FC #) NA NA NA NA NA		Media Sample Volume Tedlar Bag Tedlar Bag Tedlar Bag Tedlar Bag Tedlar Bag
Date Collected 01-01-16 01-01-16 01-01-16 01-01-16 01-01-16			Canister Start Pressure (Hg) NA NA NA NA NA			Canister End Pressure (Hg/psig) NA NA NA NA NA		
Time Collected 0213-0223 0406-0416 0450-0500 0135-0145 0116-0126			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) <input type="checkbox"/> EDD required <input checked="" type="radio"/> Yes / <input type="radio"/> No Tier IV (Data Validation Package) 10% Surcharge Type: _____ Units: _____					
Relinquished by: (Signature) Kelly Horiuchi			Received by: (Signature) Kate Aguilera			Date: 01-01-16 Date: 01-01-16		

KL 01-01-16

**ALS Environmental
Sample Acceptance Check Form**

Client: GeoSyntec Consultants

Work order: P1600001

Project: SOUTHERN CALIFORNIA GAS-ALISO CANYON / 14424

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

Date opened: 1/1/16

by: KAGUILERA

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
P1600001-001.01	1 L Zefon Bag					
P1600001-002.01	1 L Zefon Bag					
P1600001-003.01	1 L Zefon Bag					
P1600001-004.01	1 L Zefon Bag					
P1600001-005.01	1 L Zefon Bag					
P1600001-006.01	1 L Zefon Bag					
P1600001-007.01	1 L Zefon Bag					
P1600001-008.01	1 L Zefon Bag					
P1600001-009.01	1 L Zefon Bag					
P1600001-010.01	1 L Zefon Bag					
P1600001-011.01	1 L Zefon Bag					
P1600001-012.01	1 L Zefon Bag					
P1600001-013.01	1 L Zefon Bag					
P1600001-014.01	1 L Zefon Bag					
P1600001-015.01	1 L Zefon Bag					

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

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

ALS ENVIRONMENTAL

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: P1600001

ALS Sample ID: P1600001-001

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 06:30

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 10:37

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.

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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: P1600001

ALS Sample ID: P1600001-002

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 06:10

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 10:58

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.

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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: P1600001
 ALS Sample ID: P1600001-003

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

Date Collected: 1/1/16
 Time Collected: 05:44
 Date Received: 1/1/16
 Date Analyzed: 1/1/16
 Time Analyzed: 11:14
 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: Highlands 2

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-004

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 05:21

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 11:31

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: P1600001

ALS Sample ID: P1600001-005

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 03:10

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 11:49

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.

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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: P1600001

ALS Sample ID: P1600001-006

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 03:30

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 12:08

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

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

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

Date Collected: 1/1/16
 Time Collected: 03:54
 Date Received: 1/1/16
 Date Analyzed: 1/1/16
 Time Analyzed: 12:27
 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: P1600001

ALS Sample ID: P1600001-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 04:40

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 12:48

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: P1600001

ALS Sample ID: P1600001-009

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 08:59

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 13:07

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: P1600001

ALS Sample ID: P1600001-010

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 08:24

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 13:24

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: P1600001

ALS Sample ID: P1600001-011

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 08:00

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 13:54

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: P-40

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-012

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 07:39

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 14:10

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: MA1-A

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-013

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 07:10

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 14:32

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: T-3 Low Road

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-014

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 02:45

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 14:53

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: T-3 High Road

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-015

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 02:23

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 15:16

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 2
Client Project ID: SOUTHERN CALIFORNIA GAS-ALISO CANYON STATION / 14424

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

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

Date Collected: 1/1/16
 Time Collected: 04:16
 Date Received: 1/1/16
 Date Analyzed: 1/1/16
 Time Analyzed: 15:42
 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 3

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-017

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 05:00

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 16:04

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: SS-3H

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-018

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 01:45

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 16:25

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: SS-09

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

ALS Project ID: P1600001

ALS Sample ID: P1600001-019

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: 1/1/16

Time Collected: 01:26

Date Received: 1/1/16

Date Analyzed: 1/1/16

Time Analyzed: 16:48

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

ALS Project ID: P1600001

Total Reduced Sulfur as Hydrogen Sulfide

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

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

Client Sample ID	ALS Sample ID	Injection		Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
		Volume ml(s)	Time Analyzed					
Porter Ridge Park	P1600001-001	2.0	10:37	ND	7.0	ND	5.0	
Starter Set Preschool	P1600001-002	2.0	10:58	ND	7.0	ND	5.0	
Castlebay Elementary School	P1600001-003	2.0	11:14	ND	7.0	ND	5.0	
Highlands 2	P1600001-004	2.0	11:31	ND	7.0	ND	5.0	
Porter Ranch Community School	P1600001-005	2.0	11:49	ND	7.0	ND	5.0	
Holleigh Bernson Park	P1600001-006	2.0	12:08	ND	7.0	ND	5.0	
Porter Ranch Estates	P1600001-007	2.0	12:27	ND	7.0	ND	5.0	
Highlands 1	P1600001-008	2.0	12:48	ND	7.0	ND	5.0	
R-1	P1600001-009	2.0	13:07	ND	7.0	ND	5.0	
SF-2/5	P1600001-010	2.0	13:24	ND	7.0	ND	5.0	
SF-1	P1600001-011	2.0	13:54	ND	7.0	ND	5.0	
P-40	P1600001-012	2.0	14:10	ND	7.0	ND	5.0	
MA1-A	P1600001-013	2.0	14:32	ND	7.0	ND	5.0	
T-3 Low Road	P1600001-014	2.0	14:53	ND	7.0	ND	5.0	
T-3 High Road	P1600001-015	2.0	15:16	ND	7.0	ND	5.0	
Porter Ranch Estates 2	P1600001-016	2.0	15:42	ND	7.0	ND	5.0	
Highlands 3	P1600001-017	2.0	16:04	ND	7.0	ND	5.0	
SS-3H	P1600001-018	2.0	16:25	ND	7.0	ND	5.0	
SS-09	P1600001-019	2.0	16:48	ND	7.0	ND	5.0	
Method Blank	P160101-MB	2.0	10:16	ND	7.0	ND	5.0	

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

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

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

ALS Project ID: P1600001

ALS Sample ID: P160101-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Time Collected: NA

Date Received: NA

Date Analyzed: 1/01/16

Time Analyzed: 10:16

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

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: P1600001

ALS Sample ID: P160101-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Wade Henton

Sample Type: 1 L Zefon Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/01/16

Volume(s) Analyzed: NA ml(s)

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



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LABORATORY REPORT

January 2, 2016

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

RE: SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

Dear Ruth:

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

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at 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 Kelly Horiuchi at 11:56 am, Jan 02, 2016

For Sue Anderson
Project Manager



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: GeoSyntec Consultants Service Request No: P1600002
Project: SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

CASE NARRATIVE

The samples were received intact under chain of custody on January 1, 2016 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

C1 through C6 Hydrocarbon and TGNMO Analysis

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

Volatile Organic Compound Analysis

The samples were also analyzed for 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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 F: +1 805 526 7270
www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.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: P1600002

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

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-3 Modified - ClC6+ Can	TO-15 - VOC Cans
Porter Ridge Park	P1600002-001	Air	1/1/2016	06:30	AS00947	-2.58	3.62	X	X
Starter Set Preschool	P1600002-002	Air	1/1/2016	06:10	AS00914	-2.19	3.65	X	X
Castlebay Elementary School	P1600002-003	Air	1/1/2016	05:44	AS00982	-1.91	3.56	X	X
Highlands 2	P1600002-004	Air	1/1/2016	05:21	AS00922	-1.24	3.66	X	X
Porter Ranch Community School	P1600002-005	Air	1/1/2016	03:10	AS00934	-1.77	3.63	X	X
Holleigh Bernson Park	P1600002-006	Air	1/1/2016	03:30	AS00923	-1.86	3.51	X	X
Porter Ranch Estates	P1600002-007	Air	1/1/2016	03:54	AS00954	-1.77	3.56	X	X
Highlands 1	P1600002-008	Air	1/1/2016	04:40	AS00920	-1.55	3.61	X	X
R-1	P1600002-009	Air	1/1/2016	08:59	AS00927	-1.81	3.51	X	X
SF-2/5	P1600002-010	Air	1/1/2016	08:24	AS00936	-1.76	3.72	X	X
SF-1	P1600002-011	Air	1/1/2016	08:00	AS00915	-2.16	3.70	X	X
P-40	P1600002-012	Air	1/1/2016	07:39	AS00919	-2.52	3.65	X	X
MA1-A	P1600002-013	Air	1/1/2016	07:10	AS00933	-1.71	3.65	X	X
T-3 Low Road	P1600002-014	Air	1/1/2016	02:45	AS00913	-1.97	3.54	X	X
T-3 High Road	P1600002-015	Air	1/1/2016	02:23	AS00916	-2.11	3.52	X	X
Porter Ranch Estates 2	P1600002-016	Air	1/1/2016	04:16	AS00917	-1.38	3.66	X	X
Highlands 3	P1600002-017	Air	1/1/2016	05:00	AS00921	-1.72	3.60	X	X
SS-3H	P1600002-018	Air	1/1/2016	01:45	AS00924	-2.16	3.66	X	X
SS-09	P1600002-019	Air	1/1/2016	01:26	AS00937	-2.53	3.66	X	X



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.
P160002

ALS Contact:
Sue Anderson

Company Name & Address (Reporting information)
AIRKINETICS, INC.
 1306 S. Allec Street
 Anaheim, CA 92805

Project Name
 SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION

Project Number
 14424

P.O. # / Billing Information

Project Manager
SON BUI

Phone
 (714) 254-1945

Fax
 (714) 956-2350

Email Address for Result Reporting
Please see Kelly Horuchi for distribution list.

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	Analysis Method		Comment e.g. Actual Preservative or specific instructions
									TO-3 modified C1-C6 & TGMMO as Methane	ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)	
Porter Ridge Park	-001	01-01-16	0620-0630	AS00947	0A01936	27	6		X		
Starter Set Preschool	-002	01-01-16	0600-0610	AS00914	0A00831	27	4.5		X		
Castlebay Elementary School	-003	01-01-16	0534-0544	AS00982	0A01977	26.5	3		X		
Highlands 2	-004	01-01-16	0511-0521	AS00922	0A00984	28	2		X		
Porter Ranch Community School	-005	01-01-16	0300-0310	AS00934	0A00427	26	4		X		
Holleigh Bamsom Park	-006	01-01-16	0320-0330	AS00923	0A01919	27	4		X		
Porter Ranch Estates	-007	01-01-16	0344-0354	AS00954	0A01969	28.5	5		X		
Highlands 1	-008	01-01-16	0430-0440	AS00920	0A01941	29	4.5		X		
R-1	-009	01-01-16	0849-0859	AS00927	0A00525	29	5		X		
SF-2/5	-010	01-01-16	0814-0824	AS00936	0A01266	27.5	3		X		
SF-1	-011	01-01-16	0750-0800	AS00915	0A00503	27	5.5		X		
P-40	-012	01-01-16	0729-0739	AS00919	0A00145	26	4.5		X		
MA1-A	-013	01-01-16	0700-0710	AS00933	0A01542	28.5	4.5		X		
T-3 Low Road	-014	01-01-16	0235-0245	AS00913	0A00440	27	5		X		

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

Chain of Custody Seal: (Circle)
 INTACT BROKEN ABSENT

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 Lies* Date: 01-01-16 Time: 1008
 Relinquished by: (Signature) *Kate Aguilera* Date: 01-01-16 Time: 1008



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. P1400002
 ALS Contact: Sue Anderson

Company Name & Address (Reporting Information)		Project Name		Analysis Method		Comment e.g. Actual Preservative or specific instructions
AIRKINETICS, INC. 1308 S. Allec Street Anaheim, CA 92805		SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION		TO-3 modified C1-C6 & TGMMO as Methane		
Project Manager SON BUI		Project Number 14424		ASTM D 5504-12 (Selected sulfur compounds & TR5 as H2S)		TO-15 (BTEX)
Phone (714) 254-1945 Fax (714) 956-2350		P.O. # / Billing Information		TO-3 modified C1-C6 & TGMMO as Methane		
Email Address for Result Reporting Please see Kelly Horiuchi for distribution list.		Sampler (Print & Sign) Kenny Lieu		Units:		Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
		Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume
T-3 High Road	-015	01-01-16	0213:23	26	4.5	X
Porter Ranch Estates 2	-014	01-01-16	0406:16	26	2	X
Highlands 3	-017	01-01-16	0450:00	30	5	X
SS-3H	-018	01-01-16	0135:15	27	3	X
SS-09	-019	01-01-16	0116:16	26	4	X

Report Tier Levels - please select
 Tier I - Results (Default if not specified) ___ Tier III (Results + QC & Calibration Summaries) ___ EDD required (Yes/ No) (Yes)
 Tier II (Results + QC Summaries) ___ X ___ Tier IV (Data Validation Package) 10% Surcharge Type: ___ Units: ___
 Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Relinquished by: (Signature) _____ Date: 01-01-16 Time: 1008
 Relinquished by: (Signature) Kelly Lieu Date: 01-01-16 Time: 1008
 Received by: (Signature) Kate Bruice Date: 1/1/16 Time: 1008
 Received by: (Signature) _____ Date: _____ Time: _____

**ALS Environmental
Sample Acceptance Check Form**

Client: GeoSyntec Consultants

Work order: P1600002

Project: SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

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

Date opened: 1/1/16

by: KAGUILERA

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
P1600002-001.01	6.0 L Silonite Can					
P1600002-002.01	6.0 L Silonite Can					
P1600002-003.01	6.0 L Silonite Can					
P1600002-004.01	6.0 L Silonite Can					
P1600002-005.01	6.0 L Silonite Can					
P1600002-006.01	6.0 L Silonite Can					
P1600002-007.01	6.0 L Silonite Can					
P1600002-008.01	6.0 L Silonite Can					
P1600002-009.01	6.0 L Silonite Can					
P1600002-010.01	6.0 L Silonite Can					
P1600002-011.01	6.0 L Silonite Can					
P1600002-012.01	6.0 L Silonite Can					
P1600002-013.01	6.0 L Silonite Can					
P1600002-014.01	6.0 L Silonite Can					
P1600002-015.01	6.0 L Silonite Can					

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

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

ALS Environmental
Sample Acceptance Check Form

Client: GeoSyntec Consultants

Work order: P1600002

Project: SOUTHERN CALIFORNIA GSA-ALISO CANYON STATION / 14424

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

Date opened: 1/1/16

by: KAGUILERA

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

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

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

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: P1600002

ALS Sample ID: P1600002-001

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.58 Final Pressure (psig): 3.62

Canister Dilution Factor: 1.51

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	0.76	
C ₂ as Ethane	ND	0.76	
C ₃ as Propane	ND	0.76	
C ₄ as n-Butane	ND	0.76	
C ₅ as n-Pentane	ND	0.76	
C ₆ as n-Hexane	ND	0.76	
C ₆₊ as n-Hexane	ND	0.76	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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: P1600002

ALS Sample ID: P1600002-002

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.19

Final Pressure (psig): 3.65

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.

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: P1600002

ALS Sample ID: P1600002-003

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.91

Final Pressure (psig): 3.56

Canister Dilution Factor: 1.43

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.4	0.72	
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆₊ as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: P1600002

ALS Sample ID: P1600002-004

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.24

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.36

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.7	0.68	
C ₂ as Ethane	ND	0.68	
C ₃ as Propane	ND	0.68	
C ₄ as n-Butane	ND	0.68	
C ₅ as n-Pentane	ND	0.68	
C ₆ as n-Hexane	ND	0.68	
C ₆₊ as n-Hexane	ND	0.68	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: P1600002
 ALS Sample ID: P1600002-005

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:

Date Collected: 1/1/16
 Date Received: 1/1/16
 Date Analyzed: 1/1/16
 Volume(s) Analyzed: 1.0 ml(s)

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

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.5	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: P1600002

ALS Sample ID: P1600002-006

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.86 Final Pressure (psig): 3.51

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	3.5	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: P1600002
 ALS Sample ID: P1600002-007

Test Code: EPA TO-3 Modified
 Instrument ID: HP5890 II/GC8/FID
 Analyst: Wade Henton
 Sampling Media: 6.0 L Silonite Canister
 Test Notes:

Date Collected: 1/1/16
 Date Received: 1/1/16
 Date Analyzed: 1/1/16
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.77 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.41

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	23	0.71	
C ₂ as Ethane	0.73	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	1.5	1.4	

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

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: P1600002

ALS Sample ID: P1600002-008

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.55 Final Pressure (psig): 3.61

Canister Dilution Factor: 1.39

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	4.8	0.70	
C ₂ as Ethane	ND	0.70	
C ₃ as Propane	ND	0.70	
C ₄ as n-Butane	ND	0.70	
C ₅ as n-Pentane	ND	0.70	
C ₆ as n-Hexane	ND	0.70	
C ₆₊ as n-Hexane	ND	0.70	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: P1600002

ALS Sample ID: P1600002-009

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.51

Canister Dilution Factor: 1.41

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: SF-2/5

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-010

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.76 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.42

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	4.5	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: P1600002

ALS Sample ID: P1600002-011

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.16 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.47

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.6	0.74	
C ₂ as Ethane	ND	0.74	
C ₃ as Propane	ND	0.74	
C ₄ as n-Butane	ND	0.74	
C ₅ as n-Pentane	ND	0.74	
C ₆ as n-Hexane	ND	0.74	
C ₆₊ as n-Hexane	ND	0.74	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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: P-40

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-012

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.52 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.51

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.6	0.76	
C ₂ as Ethane	ND	0.76	
C ₃ as Propane	ND	0.76	
C ₄ as n-Butane	ND	0.76	
C ₅ as n-Pentane	ND	0.76	
C ₆ as n-Hexane	ND	0.76	
C ₆₊ as n-Hexane	ND	0.76	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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: MA1-A

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-013

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.71 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.41

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: T-3 Low Road

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-014

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.97 Final Pressure (psig): 3.54

Canister Dilution Factor: 1.43

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.2	0.72	
C ₂ as Ethane	ND	0.72	
C ₃ as Propane	ND	0.72	
C ₄ as n-Butane	ND	0.72	
C ₅ as n-Pentane	ND	0.72	
C ₆ as n-Hexane	ND	0.72	
C ₆₊ as n-Hexane	ND	0.72	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: T-3 High Road

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-015

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.11 Final Pressure (psig): 3.52

Canister Dilution Factor: 1.45

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.3	0.73	
C ₂ as Ethane	ND	0.73	
C ₃ as Propane	ND	0.73	
C ₄ as n-Butane	ND	0.73	
C ₅ as n-Pentane	ND	0.73	
C ₆ as n-Hexane	ND	0.73	
C ₆₊ as n-Hexane	ND	0.73	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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 2

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-016

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.38 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.38

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	13	0.69	
C ₂ as Ethane	ND	0.69	
C ₃ as Propane	ND	0.69	
C ₄ as n-Butane	ND	0.69	
C ₅ as n-Pentane	ND	0.69	
C ₆ as n-Hexane	ND	0.69	
C ₆₊ as n-Hexane	ND	0.69	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-017

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -1.72 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.41

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	2.8	0.71	
C ₂ as Ethane	ND	0.71	
C ₃ as Propane	ND	0.71	
C ₄ as n-Butane	ND	0.71	
C ₅ as n-Pentane	ND	0.71	
C ₆ as n-Hexane	ND	0.71	
C ₆₊ as n-Hexane	ND	0.71	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.4	

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

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: SS-3H

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-018

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.16 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.46

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	48	0.73	
C ₂ as Ethane	1.6	0.73	
C ₃ as Propane	ND	0.73	
C ₄ as n-Butane	ND	0.73	
C ₅ as n-Pentane	ND	0.73	
C ₆ as n-Hexane	ND	0.73	
C ₆₊ as n-Hexane	ND	0.73	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	3.2	1.5	

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

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: SS-09

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-019

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: 1/1/16

Date Received: 1/1/16

Date Analyzed: 1/1/16

Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -2.53

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.51

Compound	Result ppmV	MRL ppmV	Data Qualifier
Methane	17	0.76	
C ₂ as Ethane	ND	0.76	
C ₃ as Propane	ND	0.76	
C ₄ as n-Butane	ND	0.76	
C ₅ as n-Pentane	ND	0.76	
C ₆ as n-Hexane	ND	0.76	
C ₆₊ as n-Hexane	ND	0.76	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

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

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

ALS Project ID: P1600002

ALS Sample ID: P160101-MB

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/01/16

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

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: P1600002

ALS Sample ID: P160101-LCS

Test Code: EPA TO-3 Modified

Instrument ID: HP5890 II/GC8/FID

Analyst: Wade Henton

Sampling Media: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/01/16

Volume(s) Analyzed: NA ml(s)

Compound	Spike Amount ppmV	Result ppmV	% Recovery	ALS	
				Acceptance Limits	Data Qualifier
Methane	1,020	931	91	83-107	
Ethane	1,010	997	99	77-111	
Propane	1,010	1,020	101	78-110	
n-Butane	1,010	1,010	100	73-109	
n-Pentane	1,010	1,050	104	75-115	
n-Hexane	1,020	1,060	104	73-121	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Porter Ridge Park

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-001

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00947

Initial Pressure (psig): -2.58 Final Pressure (psig): 3.62

Canister Dilution Factor: 1.51

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.27	0.15	0.086	0.047	
108-88-3	Toluene	ND	0.76	ND	0.20	
100-41-4	Ethylbenzene	ND	0.76	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.76	ND	0.17	
95-47-6	o-Xylene	ND	0.76	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: Starter Set Preschool

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-002

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00914

Initial Pressure (psig): -2.19 Final Pressure (psig): 3.65

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	0.31	0.15	0.098	0.046	
108-88-3	Toluene	ND	0.74	ND	0.20	
100-41-4	Ethylbenzene	ND	0.74	ND	0.17	
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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Castlebay Elementary School

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-003

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00982

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

Canister Dilution Factor: 1.43

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.14	0.092	0.045	
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.16	
95-47-6	o-Xylene	ND	0.72	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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 2

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-004

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00922

Initial Pressure (psig): -1.24 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.36

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.27	0.14	0.086	0.043	
108-88-3	Toluene	ND	0.68	ND	0.18	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.68	ND	0.16	
95-47-6	o-Xylene	ND	0.68	ND	0.16	

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

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

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-005

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00934

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

Canister Dilution Factor: 1.42

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.53	0.14	0.17	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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Holleigh Bernson Park

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-006

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00923

Initial Pressure (psig): -1.86 Final Pressure (psig): 3.51

Canister Dilution Factor: 1.42

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	0.29	0.14	0.092	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-007

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00954

Initial Pressure (psig): -1.77 Final Pressure (psig): 3.56

Canister Dilution Factor: 1.41

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	0.85	0.14	0.27	0.044	
108-88-3	Toluene	0.90	0.71	0.24	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.71	ND	0.16	
95-47-6	o-Xylene	ND	0.71	ND	0.16	

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

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

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-008

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00920

Initial Pressure (psig): -1.55 Final Pressure (psig): 3.61

Canister Dilution Factor: 1.39

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	0.32	0.14	0.10	0.044	
108-88-3	Toluene	ND	0.70	ND	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

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: R-1

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-009

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00927

Initial Pressure (psig): -1.81 Final Pressure (psig): 3.51

Canister Dilution Factor: 1.41

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	0.27	0.14	0.083	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: SF-2/5

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-010

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00936

Initial Pressure (psig): -1.76 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.42

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.29	0.14	0.091	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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: SF-1

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-011

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00915

Initial Pressure (psig): -2.16 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.47

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	0.26	0.15	0.081	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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: P-40

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-012

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00919

Initial Pressure (psig): -2.52 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.51

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.27	0.15	0.086	0.047	
108-88-3	Toluene	ND	0.76	ND	0.20	
100-41-4	Ethylbenzene	ND	0.76	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.76	ND	0.17	
95-47-6	o-Xylene	ND	0.76	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: MA1-A

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-013

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00933

Initial Pressure (psig): -1.71 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.41

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	0.26	0.14	0.081	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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: T-3 Low Road

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-014

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00913

Initial Pressure (psig): -1.97 Final Pressure (psig): 3.54

Canister Dilution Factor: 1.43

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.29	0.14	0.090	0.045	
108-88-3	Toluene	ND	0.72	ND	0.19	
100-41-4	Ethylbenzene	ND	0.72	ND	0.16	
179601-23-1	m,p-Xylenes	ND	0.72	ND	0.16	
95-47-6	o-Xylene	ND	0.72	ND	0.16	

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

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: T-3 High Road

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

ALS Project ID: P1600002

ALS Sample ID: P1600002-015

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00916

Initial Pressure (psig): -2.11 Final Pressure (psig): 3.52

Canister Dilution Factor: 1.45

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	0.31	0.15	0.097	0.045	
108-88-3	Toluene	ND	0.73	ND	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Porter Ranch Estates 2

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-016

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00917

Initial Pressure (psig): -1.38 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.38

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	0.57	0.14	0.18	0.043	
108-88-3	Toluene	ND	0.69	ND	0.18	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 3

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-017

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00921

Initial Pressure (psig): -1.72 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.41

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	0.26	0.14	0.083	0.044	
108-88-3	Toluene	ND	0.71	ND	0.19	
100-41-4	Ethylbenzene	ND	0.71	ND	0.16	
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

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: SS-3H

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-018

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00924

Initial Pressure (psig): -2.16 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.46

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	1.4	0.15	0.43	0.046	
108-88-3	Toluene	1.9	0.73	0.50	0.19	
100-41-4	Ethylbenzene	ND	0.73	ND	0.17	
179601-23-1	m,p-Xylenes	1.0	0.73	0.24	0.17	
95-47-6	o-Xylene	ND	0.73	ND	0.17	

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

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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: SS-09

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-019

Test Code: EPA TO-15

Date Collected: 1/1/16

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

Date Received: 1/1/16

Analyst: Lusine Hakobyan

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00937

Initial Pressure (psig): -2.53 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.51

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
71-43-2	Benzene	0.35	0.15	0.11	0.047	
108-88-3	Toluene	ND	0.76	ND	0.20	
100-41-4	Ethylbenzene	ND	0.76	ND	0.17	
179601-23-1	m,p-Xylenes	ND	0.76	ND	0.17	
95-47-6	o-Xylene	ND	0.76	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: Method Blank

ALS Project ID: P1600002

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 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 12/31/15

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result		MRL		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: P1600002

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

ALS Sample ID: P160101-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result		MRL		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

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: GeoSyntec Consultants

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

ALS Project ID: P1600002

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date(s) Collected: 1/1/16

Date(s) Received: 1/1/16

Analyst: Lusine Hakobyan/Wida Ang

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

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

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

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

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: P1600002

ALS Sample ID: P151231-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: 12/31/15

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	64.0	90	61-110	
108-88-3	Toluene	57.9	48.5	84	67-117	
100-41-4	Ethylbenzene	50.2	43.9	87	69-123	
179601-23-1	m,p-Xylenes	98.6	85.8	87	67-125	
95-47-6	o-Xylene	48.4	41.5	86	67-124	

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

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

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: P1600002

ALS Sample ID: P160101-LCS

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Analyst: Wida Ang

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/1/16

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	60.2	85	61-110	
108-88-3	Toluene	57.9	51.4	89	67-117	
100-41-4	Ethylbenzene	50.2	47.1	94	69-123	
179601-23-1	m,p-Xylenes	98.6	92.2	94	67-125	
95-47-6	o-Xylene	48.4	45.7	94	67-124	

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

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Page 1 of 1

Client: GeoSyntec Consultants

Client Sample ID: Highlands 2

ALS Project ID: P1600002

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

ALS Sample ID: P1600002-004DUP

Test Code: EPA TO-15

Date Collected: 1/1/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 1/1/16

Analyst: Wida Ang

Date Analyzed: 1/1/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00922

Initial Pressure (psig): -1.24

Final Pressure (psig): 3.66

Canister Dilution Factor: 1.36

Compound	Sample Result		Duplicate Sample Result		Average ppbV	% RPD	RPD Limit	Data Qualifier
	µg/m ³	ppbV	µg/m ³	ppbV				
Benzene	0.273	0.0856	0.271	0.0848	0.0852	0.9	25	
Toluene	ND	ND	ND	ND	-	-	25	
Ethylbenzene	ND	ND	ND	ND	-	-	25	
m,p-Xylenes	ND	ND	ND	ND	-	-	25	
o-Xylene	ND	ND	ND	ND	-	-	25	

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