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[www.alsglobal.com](http://www.alsglobal.com)

## LABORATORY REPORT

January 14, 2016

Glenn La Fevers  
Southern California Gas Company  
12801 Tampa Ave  
Northridge, CA 91326-1045

**RE: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424**

Dear Glenn:

Enclosed are the results of the samples submitted to our laboratory on January 14, 2016. For your reference, these analyses have been assigned our service request number P1600170.

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](http://www.alsglobal.com). Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

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

Respectfully submitted,

**ALS | Environmental**

By Sue Anderson at 1:38 pm, Jan 15, 2016

Sue Anderson  
Project Manager



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Client: Southern California Gas Company Service Request No: P1600170  
Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

## CASE NARRATIVE

The samples were received intact under chain of custody on January 14, 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.

### Methane Analysis

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

### Sulfur Analysis

The samples were also analyzed for ten sulfur compounds per ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). All compounds with the exception of hydrogen sulfide and carbonyl sulfide are quantitated against the initial calibration curve for methyl mercaptan. This method is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP or AIHA-LAP accreditation.

### Volatile Organic Compound Analysis

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

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*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                   | <a href="http://www.aihaaccreditedlabs.org">http://www.aihaaccreditedlabs.org</a>   | 101661                     |
| Arizona DHS            | <a href="http://www.azdhs.gov/lab/license/env.htm">http://www.azdhs.gov/lab/license/env.htm</a>   | AZ0694                     |
| DoD ELAP               | <a href="http://www.pjlabs.com/search-accredited-labs">http://www.pjlabs.com/search-accredited-labs</a>   | L15-398                    |
| Florida DOH (NELAP)    | <a href="http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm">http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm</a>   | E871020                    |
| Maine DHHS             | <a href="http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm">http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm</a>                           | 2014025                    |
| Minnesota DOH (NELAP)  | <a href="http://www.health.state.mn.us/accreditation">http://www.health.state.mn.us/accreditation</a>   | 977273                     |
| New Jersey DEP (NELAP) | <a href="http://www.nj.gov/dep/oqa/">http://www.nj.gov/dep/oqa/</a>   | CA009                      |
| New York DOH (NELAP)   | <a href="http://www.wadsworth.org/labcert/elap/elap.html">http://www.wadsworth.org/labcert/elap/elap.html</a>   | 11221                      |
| Oregon PHD (NELAP)     | <a href="http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx">http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx</a> | 4068-001                   |
| Pennsylvania DEP       | <a href="http://www.depweb.state.pa.us/labs">http://www.depweb.state.pa.us/labs</a>   | 68-03307<br>(Registration) |
| Texas CEQ (NELAP)      | <a href="http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html">http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html</a>   | T104704413-15-6            |
| Utah DOH (NELAP)       | <a href="http://www.health.utah.gov/lab/labimp/certification/index.html">http://www.health.utah.gov/lab/labimp/certification/index.html</a>   | CA01627201<br>5-5          |
| Washington DOE         | <a href="http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html">http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html</a>   | 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](http://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: Southern California Gas Company  
 Project ID: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424

Service Request: P1600170

Date Received: 1/14/2016  
 Time Received: 09:57

| Client Sample ID | Lab Code     | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) |                           |                             |                  |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---------------------------|-----------------------------|------------------|
|                  |              |        |                |                |              |            |            | TO-3 Modified - C1C6+ Can | ASTM D 5504-12 - Sulfur Can | TO-15 - VOC Cans |
| AA-01-A-011416   | P1600170-001 | Air    | 1/14/2016      | 05:58          | AS00913      | -4.04      | 1.04       | X                         | X                           | X                |
| AA-02-A-011416   | P1600170-002 | Air    | 1/14/2016      | 06:13          | AS00991      | -3.34      | 1.04       | X                         | X                           | X                |
| AA-03-A-011416   | P1600170-003 | Air    | 1/14/2016      | 06:24          | AS00978      | -3.36      | 1.09       | X                         | X                           | X                |
| AA-04-A-011416   | P1600170-004 | Air    | 1/14/2016      | 06:41          | AS00964      | -3.30      | 1.08       | X                         | X                           | X                |
| AA-05-A-011416   | P1600170-005 | Air    | 1/14/2016      | 06:52          | AS00949      | -2.97      | 1.00       | X                         | X                           | X                |
| AA-06-A-011416   | P1600170-006 | Air    | 1/14/2016      | 07:01          | AS00921      | -3.13      | 1.09       | X                         | X                           | X                |
| SS-3H-A-011416   | P1600170-007 | Air    | 1/14/2016      | 06:01          | AS00920      | -3.10      | 1.13       | X                         | X                           | X                |
| SF-1-A-011416    | P1600170-008 | Air    | 1/14/2016      | 06:17          | AS00944      | -3.37      | 1.10       | X                         | X                           | X                |
| SF-2/5-A-011416  | P1600170-009 | Air    | 1/14/2016      | 06:34          | AS00931      | -3.56      | 1.08       | X                         | X                           | X                |



# Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

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|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name & Address (Reporting Information)                 |  |  |  | Project Name                                   |  |  |  | ALS Project No.  |  |  |  |
| AIRKINETICS, INC.<br>1308 S. Allec Street<br>Anaheim, CA 92805 |  |  |  | SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION |  |  |  | Sue Anderson   |  |  |  |
| Project Manager<br>SON BUI                                     |  |  |  | Project Number<br>14424                        |  |  |  | Analysis Method  |  |  |  |
| Phone<br>(714) 254-1945  |  |  |  | P.O. # / Billing Information                   |  |  |  | ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)      |  |  |  |
| Fax<br>(714) 956-2350  |  |  |  | Sampler (Print & Sign)                         |  |  |  | TO-3 modified for Methane                                    |  |  |  |
| Email Address for Result Reporting                             |  |  |  | Canister ID (Bar code # - AC, SC, etc.)        |  |  |  | TO-3 modified for Methane                                    |  |  |  |
| Please see Kelly Horiuchi for distribution list.               |  |  |  | Flow Controller ID (Bar code # - FC #)         |  |  |  | ASTM D 5504-12 (Selected sulfur compounds & TRS as H2S)      |  |  |  |
| Laboratory ID Number   |  |  |  | Collection Vessel                              |  |  |  | Canister Start Pressure "Hg                                  |  |  |  |
| Client Sample ID   |  |  |  | Time Collected                                 |  |  |  | Canister End Pressure "Hg/psig                               |  |  |  |
| Date Collected   |  |  |  | Canister                                       |  |  |  | Comment<br>e.g. Actual Preservative or specific instructions |  |  |  |
| 1  |  |  |  | 1809   |  |  |  | 29.5   |  |  |  |
| 2  |  |  |  | 0558   |  |  |  | 27.7   |  |  |  |
| 3  |  |  |  | 1822   |  |  |  | 28   |  |  |  |
| 4  |  |  |  | 0613   |  |  |  | 28   |  |  |  |
| 5  |  |  |  | 1831   |  |  |  | 27.5   |  |  |  |
| 6  |  |  |  | 0624   |  |  |  | 28   |  |  |  |
| 7  |  |  |  | 1843   |  |  |  | 27.5   |  |  |  |
| 8  |  |  |  | 0641   |  |  |  | 28   |  |  |  |
| 9  |  |  |  | 1853   |  |  |  | 27.5   |  |  |  |
| 10   |  |  |  | 0652   |  |  |  | 28   |  |  |  |
| 11   |  |  |  | 1900   |  |  |  | 27.5   |  |  |  |
| 12   |  |  |  | 0701   |  |  |  | 28   |  |  |  |
| 13   |  |  |  | 1811   |  |  |  | 27   |  |  |  |
| 14   |  |  |  | 0601   |  |  |  | 27   |  |  |  |
| 15   |  |  |  | 1830   |  |  |  | 27   |  |  |  |
| 16   |  |  |  | 0617   |  |  |  | 27   |  |  |  |
| 17   |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 18   |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 19   |  |  |  | 1839   |  |  |  | 27   |  |  |  |
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| 21   |  |  |  | 1839   |  |  |  | 27   |  |  |  |
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| 25   |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 26   |  |  |  | 0634   |  |  |  | 27   |  |  |  |
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| 29   |  |  |  | 1839   |  |  |  | 27   |  |  |  |
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| 32   |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 33   |  |  |  | 1839   |  |  |  | 27   |  |  |  |
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| 137  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 138  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
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| 140  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 141  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 142  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 143  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 144  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 145  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 146  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 147  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 148  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 149  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 150  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 151  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 152  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 153  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 154  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 155  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 156  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 157  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 158  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 159  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 160  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 161  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 162  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 163  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 164  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 165  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 166  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 167  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 168  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 169  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 170  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 171  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 172  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 173  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 174  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 175  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 176  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 177  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 178  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 179  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 180  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 181  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 182  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 183  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 184  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 185  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 186  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 187  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 188  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 189  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 190  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 191  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 192  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 193  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 194  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 195  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 196  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 197  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 198  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 199  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 200  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 201  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 202  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 203  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 204  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 205  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 206  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 207  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 208  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
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| 210  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
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| 212  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
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| 214  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 215  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 216  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 217  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 218  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 219  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 220  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 221  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 222  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 223  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 224  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 225  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 226  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 227  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 228  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 229  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 230  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 231  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 232  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 233  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 234  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 235  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 236  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 237  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 238  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 239  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 240  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 241  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 242  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 243  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 244  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 245  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 246  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 247  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 248  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 249  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 250  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 251  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 252  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 253  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 254  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 255  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 256  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 257  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 258  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 259  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 260  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 261  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 262  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 263  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 264  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 265  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 266  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 267  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 268  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 269  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 270  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 271  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 272  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 273  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 274  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 275  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 276  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 277  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 278  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 279  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 280  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 281  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 282  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 283  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 284  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 285  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 286  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 287  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 288  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 289  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 290  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 291  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 292  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 293  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 294  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 295  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 296  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 297  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 298  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 299  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 300  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 301  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 302  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 303  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 304  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 305  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 306  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 307  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 308  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 309  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 310  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 311  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 312  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 313  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 314  |  |  |  | 0634   |  |  |  | 27   |  |  |  |
| 315  |  |  |  | 1839   |  |  |  | 27   |  |  |  |
| 316  |  |  |  | 0634   |  |  |  | 27   |  |  |  |

# ALS Environmental Sample Acceptance Check Form

Client: Southern California Gas Company Work order: P1600170  
 Project: SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424  
 Sample(s) received on: 1/14/16 Date opened: 1/14/16 by: KKELPE

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

|   | <b>Yes</b>                          | <b>No</b>                           | <b>N/A</b>                          |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were <b>sample containers</b> properly marked with client sample ID?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 2 Did <b>sample containers</b> arrive in good condition?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3 Were <b>chain-of-custody</b> papers used and filled out?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 4 Did <b>sample container labels</b> and/or tags agree with custody papers?                                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 5 Was <b>sample volume</b> 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 <b>temperature</b> (thermal preservation) of cooler at receipt adhered to?                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 8 Were <b>custody seals</b> 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 <b>preservation</b> , 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 <b>pH</b> preserved?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Were <b>VOA vials</b> 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 <b>Tubes:</b> Are the tubes capped and intact?   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 11 <b>Badges:</b> 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1600170-001.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-002.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-003.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-004.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-005.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-006.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-007.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-008.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
| P1600170-009.01 | 6.0 L Silonite Can    |               |             |             |                                  |                                 |
|                 |                       |               |             |             |                                  |                                 |
|                 |                       |               |             |             |                                  |                                 |
|                 |                       |               |             |             |                                  |                                 |
|                 |                       |               |             |             |                                  |                                 |
|                 |                       |               |             |             |                                  |                                 |
|                 |                       |               |             |             |                                  |                                 |

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

The date collected on chain does not match date collected on sample tags for samples 2-9.

Confirmed with client that collection date is 1/14/16 for all samples.

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Project ID:** SOUTHERN CALIFORNIA GAS - ALISO CANYON STATION / 14424 ALS Project ID: P1600170

### Methane

Test Code: EPA TO-3 Modified  
Instrument ID: HP5890 II/GC8/FID  
Analyst: Mike Conejo  
Sampling Media: 6.0 L Silonite Canister(s)  
Test Notes:

Date(s) Collected: 1/14/16  
Date Received: 1/14/16  
Date Analyzed: 1/14/16

| Client Sample ID | ALS Sample ID | Canister<br>Dilution<br>Factor | Injection<br>Volume<br>ml(s) | Result<br>ppmV | MRL<br>ppmV | Data<br>Qualifier |
|------------------|---------------|--------------------------------|------------------------------|----------------|-------------|-------------------|
| AA-01-A-011416   | P1600170-001  | 1.48                           | 1.0                          | 4.2            | 0.74        |                   |
| AA-02-A-011416   | P1600170-002  | 1.39                           | 1.0                          | 4.0            | 0.70        |                   |
| AA-03-A-011416   | P1600170-003  | 1.39                           | 1.0                          | 12             | 0.70        |                   |
| AA-04-A-011416   | P1600170-004  | 1.38                           | 1.0                          | 8.8            | 0.69        |                   |
| AA-05-A-011416   | P1600170-005  | 1.34                           | 1.0                          | 4.9            | 0.67        |                   |
| AA-06-A-011416   | P1600170-006  | 1.36                           | 1.0                          | 3.1            | 0.68        |                   |
| SS-3H-A-011416   | P1600170-007  | 1.36                           | 1.0                          | 340            | 0.68        |                   |
| SF-1-A-011416    | P1600170-008  | 1.39                           | 1.0                          | 11             | 0.70        |                   |
| SF-2/5-A-011416  | P1600170-009  | 1.42                           | 1.0                          | 8.1            | 0.71        |                   |
| Method Blank     | P160114-MB    | 1.00                           | 1.0                          | ND             | 0.50        |                   |

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:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

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

ALS Project ID: P1600170

ALS Sample ID: P160114-LCS

**Test Code:** EPA TO-3 Modified

**Instrument ID:** HP5890 II/GC8/FID

**Analyst:** Mike Conejo

**Sampling Media:** 6.0 L Silonite Canister

**Test Notes:**

Date Collected: NA

Date Received: NA

Date Analyzed: 1/14/16

Volume(s) Analyzed: NA ml(s)

| Compound | Spike Amount<br>ppmV | Result<br>ppmV | % Recovery | ALS                  | Data<br>Qualifier |
|----------|----------------------|----------------|------------|----------------------|-------------------|
|          |                      |                |            | Acceptance<br>Limits |                   |
| Methane  | 1,020                | 939            | 92         | 83-107               |                   |



# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** AA-01-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-001

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00913

Date Collected: 1/14/16

Time Collected: 05:58

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 13:58

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -4.04

Final Pressure (psig): 1.04

Canister Dilution Factor: 1.48

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 7.4         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 7.4         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.7         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.7         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.7         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.7         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.7         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.7         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.7         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.7         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-02-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-002

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00991

Date Collected: 1/14/16

Time Collected: 06:13

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 14:09

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.34

Final Pressure (psig): 1.04

Canister Dilution Factor: 1.39

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 7.0         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 7.0         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.5         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.5         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.5         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.5         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.5         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.5         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.5         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.5         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-03-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-003

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00978

Date Collected: 1/14/16

Time Collected: 06:24

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 14:20

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.36      Final Pressure (psig): 1.09

Canister Dilution Factor: 1.39

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 7.0         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 7.0         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.5         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.5         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.5         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.5         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.5         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.5         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.5         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.5         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-04-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-004

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00964

Date Collected: 1/14/16

Time Collected: 06:41

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 14:32

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.30      Final Pressure (psig): 1.08

Canister Dilution Factor: 1.38

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 6.9         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 6.9         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.5         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.5         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.5         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.5         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.5         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.5         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.5         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.5         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-05-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-005

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00949

Date Collected: 1/14/16

Time Collected: 06:52

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 14:43

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -2.97      Final Pressure (psig): 1.00

Canister Dilution Factor: 1.34

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 6.7         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 6.7         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.4         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.4         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.4         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.4         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.4         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.4         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.4         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.4         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-06-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-006

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00921

Date Collected: 1/14/16

Time Collected: 07:01

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 15:08

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.13

Final Pressure (psig): 1.09

Canister Dilution Factor: 1.36

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 6.8         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 6.8         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.4         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.4         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.4         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.4         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.4         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.4         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.4         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.4         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** SS-3H-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-007

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00920

Date Collected: 1/14/16

Time Collected: 06:01

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 15:20

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.10

Final Pressure (psig): 1.13

Canister Dilution Factor: 1.36

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 6.8         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 6.8         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.4         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.4         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.4         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.4         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.4         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.4         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.4         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.4         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** SF-1-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-008

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00944

Date Collected: 1/14/16

Time Collected: 06:17

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 15:32

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.37 Final Pressure (psig): 1.10

Canister Dilution Factor: 1.39

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 7.0         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 7.0         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.5         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.5         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.5         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.5         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.5         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.5         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.5         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.5         |                   |

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

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



# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** SF-2/5-A-011416

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

ALS Project ID: P1600170

ALS Sample ID: P1600170-009

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00931

Date Collected: 1/14/16

Time Collected: 06:34

Date Received: 1/14/16

Date Analyzed: 1/14/16

Time Analyzed: 15:43

Volume(s) Analyzed: 2.0 ml(s)

Initial Pressure (psig): -3.56      Final Pressure (psig): 1.08

Canister Dilution Factor: 1.42

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 7.1         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 7.1         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 3.6         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 3.6         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 3.6         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 3.6         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 3.6         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 3.6         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 3.6         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 3.6         |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** Method Blank

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

ALS Project ID: P1600170

ALS Sample ID: P160114-MB

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Time Collected: NA

Date Received: NA

Date Analyzed: 1/14/16

Time Analyzed: 12:46

Volume(s) Analyzed: 2.0 ml(s)

| CAS #     | Compound             | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-----------|----------------------|----------------|-------------|-------------------|
| 7783-06-4 | Hydrogen Sulfide     | ND             | 5.0         |                   |
| 463-58-1  | Carbonyl Sulfide     | ND             | 5.0         |                   |
| 74-93-1   | Methyl Mercaptan     | ND             | 2.5         |                   |
| 75-08-1   | Ethyl Mercaptan      | ND             | 2.5         |                   |
| 75-18-3   | Dimethyl Sulfide     | ND             | 2.5         |                   |
| 75-15-0   | Carbon Disulfide     | ND             | 2.5         |                   |
| 75-33-2   | Isopropyl Mercaptan  | ND             | 2.5         |                   |
| 75-66-1   | tert-Butyl Mercaptan | ND             | 2.5         |                   |
| 107-03-9  | n-Propyl Mercaptan   | ND             | 2.5         |                   |
| 110-01-0  | Tetrahydrothiophene  | ND             | 2.5         |                   |

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

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

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

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

ALS Project ID: P1600170

ALS Sample ID: P160114-LCS

Test Code: ASTM D 5504-12

Instrument ID: Agilent 7890A/GC22/SCD

Analyst: Mike Conejo

Sample Type: 6.0 L Silonite Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 1/14/16

Volume(s) Analyzed: NA ml(s)

| CAS #     | Compound         | Spike Amount<br>ppbV | Result<br>ppbV | % Recovery | ALS                  | Data<br>Qualifier |
|-----------|------------------|----------------------|----------------|------------|----------------------|-------------------|
|           |                  |                      |                |            | Acceptance<br>Limits |                   |
| 7783-06-4 | Hydrogen Sulfide | 1,000                | <b>1,100</b>   | <b>110</b> | 65-138               |                   |
| 463-58-1  | Carbonyl Sulfide | 1,000                | <b>975</b>     | <b>98</b>  | 60-135               |                   |
| 74-93-1   | Methyl Mercaptan | 1,000                | <b>993</b>     | <b>99</b>  | 57-140               |                   |

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-01-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-001

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00913

Initial Pressure (psig): -4.04      Final Pressure (psig): 1.04

Canister Dilution Factor: 1.48

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.21           | 0.046       |                   |
| 108-88-3    | Toluene      | 0.24           | 0.20        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.17        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.17        |                   |
| 95-47-6     | o-Xylene     | 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:** Southern California Gas Company

**Client Sample ID:** AA-02-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-002

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00991

Initial Pressure (psig): -3.34      Final Pressure (psig): 1.04

Canister Dilution Factor: 1.39

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.42           | 0.044       |                   |
| 108-88-3    | Toluene      | 0.30           | 0.18        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.16        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.16        |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-03-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-003

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00978

Initial Pressure (psig): -3.36 Final Pressure (psig): 1.09

Canister Dilution Factor: 1.39

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.25           | 0.044       |                   |
| 108-88-3    | Toluene      | 0.31           | 0.18        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.16        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.16        |                   |

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

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

# ALS ENVIRONMENTAL

## RESULTS OF ANALYSIS

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**Client:** Southern California Gas Company

**Client Sample ID:** AA-04-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-004

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00964

Initial Pressure (psig): -3.30      Final Pressure (psig): 1.08

Canister Dilution Factor: 1.38

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.26           | 0.043       |                   |
| 108-88-3    | Toluene      | 0.31           | 0.18        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.16        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.16        |                   |

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

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:** Southern California Gas Company

**Client Sample ID:** AA-05-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-005

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00949

Initial Pressure (psig): -2.97      Final Pressure (psig): 1.00

Canister Dilution Factor: 1.34

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.27           | 0.042       |                   |
| 108-88-3    | Toluene      | 0.35           | 0.18        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.15        |                   |
| 179601-23-1 | m,p-Xylenes  | 0.35           | 0.15        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.15        |                   |

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:** Southern California Gas Company

**Client Sample ID:** AA-06-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-006

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00921

Initial Pressure (psig): -3.13      Final Pressure (psig): 1.09

Canister Dilution Factor: 1.36

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.20           | 0.043       |                   |
| 108-88-3    | Toluene      | 0.23           | 0.18        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.16        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.16        |                   |

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

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:** Southern California Gas Company

**Client Sample ID:** SS-3H-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-007

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00920

Initial Pressure (psig): -3.10      Final Pressure (psig): 1.13

Canister Dilution Factor: 1.36

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 6.0            | 0.043       |                   |
| 108-88-3    | Toluene      | 8.3            | 0.18        |                   |
| 100-41-4    | Ethylbenzene | 0.66           | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | 3.4            | 0.16        |                   |
| 95-47-6     | o-Xylene     | 0.86           | 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:** Southern California Gas Company

**Client Sample ID:** SF-1-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-008

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00944

Initial Pressure (psig): -3.37      Final Pressure (psig): 1.10

Canister Dilution Factor: 1.39

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.24           | 0.044       |                   |
| 108-88-3    | Toluene      | 0.21           | 0.18        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.16        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.16        |                   |

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

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:** Southern California Gas Company

**Client Sample ID:** SF-2/5-A-011416

ALS Project ID: P1600170

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

ALS Sample ID: P1600170-009

Test Code: EPA TO-15

Date Collected: 1/14/16

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: 1/14/16

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00931

Initial Pressure (psig): -3.56      Final Pressure (psig): 1.08

Canister Dilution Factor: 1.42

| CAS #       | Compound     | Result<br>ppbV | MRL<br>ppbV | Data<br>Qualifier |
|-------------|--------------|----------------|-------------|-------------------|
| 71-43-2     | Benzene      | 0.18           | 0.044       |                   |
| 108-88-3    | Toluene      | ND             | 0.19        |                   |
| 100-41-4    | Ethylbenzene | ND             | 0.16        |                   |
| 179601-23-1 | m,p-Xylenes  | ND             | 0.16        |                   |
| 95-47-6     | o-Xylene     | ND             | 0.16        |                   |

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

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:** Southern California Gas Company

**Client Sample ID:** Method Blank

ALS Project ID: P1600170

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

ALS Sample ID: P160114-MB

**Test Code:** EPA TO-15

Date Collected: NA

**Instrument ID:** Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: NA

**Analyst:** Evelyn Alvarez

Date Analyzed: 1/14/16

**Sample Type:** 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

**Test Notes:**

Canister Dilution Factor: 1.00

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

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

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:** Southern California Gas Company

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

ALS Project ID: P1600170

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Analyst: Evelyn Alvarez

Sample Type: 6.0 L Silonite Canister(s)

Test Notes:

Date(s) Collected: 1/14/16

Date(s) Received: 1/14/16

Date(s) Analyzed: 1/14/16

| 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       | P160114-MB    | 92                    | 102               | 112                | 70-130            |                |
| Lab Control Sample | P160114-LCS   | 89                    | 102               | 117                | 70-130            |                |
| AA-01-A-011416     | P1600170-001  | 93                    | 105               | 115                | 70-130            |                |
| AA-02-A-011416     | P1600170-002  | 92                    | 107               | 113                | 70-130            |                |
| AA-03-A-011416     | P1600170-003  | 91                    | 107               | 111                | 70-130            |                |
| AA-04-A-011416     | P1600170-004  | 91                    | 107               | 110                | 70-130            |                |
| AA-05-A-011416     | P1600170-005  | 91                    | 107               | 109                | 70-130            |                |
| AA-06-A-011416     | P1600170-006  | 92                    | 107               | 109                | 70-130            |                |
| SS-3H-A-011416     | P1600170-007  | 91                    | 105               | 110                | 70-130            |                |
| SF-1-A-011416      | P1600170-008  | 89                    | 107               | 108                | 70-130            |                |
| SF-2/5-A-011416    | P1600170-009  | 92                    | 107               | 108                | 70-130            |                |

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

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

# ALS ENVIRONMENTAL

## LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

**Client:** Southern California Gas Company

**Client Sample ID:** Lab Control Sample

ALS Project ID: P1600170

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

ALS Sample ID: P160114-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: NA

Analyst: Evelyn Alvarez

Date Analyzed: 1/14/16

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

| CAS #       | Compound     | Spike Amount<br>ppbV | Result<br>ppbV | % Recovery | ALS<br>Acceptance<br>Limits | Data<br>Qualifier |
|-------------|--------------|----------------------|----------------|------------|-----------------------------|-------------------|
| 71-43-2     | Benzene      | 70.8                 | 64.1           | 91         | 61-110                      |                   |
| 108-88-3    | Toluene      | 57.9                 | 55.2           | 95         | 67-117                      |                   |
| 100-41-4    | Ethylbenzene | 50.2                 | 52.1           | 104        | 69-123                      |                   |
| 179601-23-1 | m,p-Xylenes  | 98.6                 | 103            | 104        | 67-125                      |                   |
| 95-47-6     | o-Xylene     | 48.4                 | 50.3           | 104        | 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.