

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Soil Sample ID                              | Depth<br>(feet bgs) | Date     | TPH<br>(mg/kg) |
|---|---------------------|----------|----------------|
| B01@13'                                     | 13'                 | 8/3/2005 | <b>3500</b>    |
| E01@11'                                     | 11'                 | 8/3/2005 | <b>1500</b>    |
| N01@11'                                     | 11'                 | 8/3/2005 | 110            |
| S01@11'                                     | 11'                 | 8/3/2005 | 650            |
| B02@14'                                     | 14'                 | 8/8/2005 | 710            |
| E02@11'                                     | 11'                 | 8/8/2005 | <50            |
| <b>COGCC Sensitive Area Allowable Level</b> |                     |          | <b>1000</b>    |

Notes: bgs - below ground surface

mg/kg - milligrams per kilogram

TPH - total petroleum hydrocarbons

COGCC - Colorado Oil and Gas Conservation Commission

Bold indicates result exceeds allowable level



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                           | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|--------------------------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
| AB01      | 8/10/2005                      | 1400                             | <1.0              | 840                    | 15000                   | 15   | NA                           |
| MW01      | 9/29/2005                      | 1.2                              | <1.0              | 1.0                    | 15                      | 7.90   | NA                           |
|           | 12/13/2005                     | Insufficient Water - Not Sampled |                   |                        |                         | 14.21  | NA                           |
|           | 3/21/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/28/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/30/2006                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 10.93  | NA                           |
|           | 12/5/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/5/2007                       | Insufficient Water - Not Sampled |                   |                        |                         | 17.90  | NA                           |
|           | 6/4/2007                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 7.34   | NA                           |
|           | 9/11/2007                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 3.20   | NA                           |
|           | 12/7/2007                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 10.65  | NA                           |
|           | 3/6/2008                       | Insufficient Water - Not Sampled |                   |                        |                         | 17.25  | NA                           |
|           | 6/10/2008                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 7.60   | NA                           |
|           | 9/4/2008                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 4.37   | NA                           |
|           | 12/17/2008                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 3/9/2009                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 16.66  | NA                           |
|           | 6/24/2009                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 9.78   | NA                           |
|           | 9/10/2009                      | Removed from monitoring          |                   |                        |                         | NM   | NA                           |
| MW02      | 9/29/2005                      | <1.0                             | <1.0              | <1.0                   | <2.0                    | 10.70  | NA                           |
|           | 12/13/2005                     | Insufficient Water - Not Sampled |                   |                        |                         | 19.00  | NA                           |
|           | 3/21/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/28/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/30/2006                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.46  | NA                           |
|           | 12/5/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/5/2007                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/4/2007                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.90  | NA                           |
|           | 9/11/2007                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 7.60   | NA                           |
|           | 12/7/2007                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.19  | NA                           |
|           | 3/6/2008                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/10/2008                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.75  | NA                           |
|           | 9/4/2008                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 9.70   | NA                           |
|           | 12/17/2008                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 3/9/2009                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/24/2009                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 14.48  | NA                           |
|           | 9/10/2009                      | Removed from monitoring          |                   |                        |                         | NM   | NA                           |
| MW03      | 9/29/2005                      | <1.0                             | <1.0              | <1.0                   | <2.0                    | 12.20  | NA                           |
|           | 12/13/2005                     | Insufficient Water - Not Sampled |                   |                        |                         | 17.00  | NA                           |
|           | 3/21/2006                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/28/2006                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.50  | NA                           |
|           | 9/30/2006                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 17.29  | NA                           |
|           | MW03 destroyed as of 12/5/2006 |                                  |                   |                        |                         |  |                              |



**TABLE 2**  
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**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
| MW03R     | 9/11/2007  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 9.45   | 87.50                        |
|           | 12/7/2007  | Insufficient Water - Not Sampled |                   |                        |                         | 17.25  | 79.70                        |
|           | 3/6/2008   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/10/2008  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.11  | 81.84                        |
|           | 9/4/2008   | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.87  | 84.07                        |
|           | 12/17/2008 | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 3/9/2009   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/24/2009  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 16.62  | 80.33                        |
|           | 9/10/2009  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.38  | 84.57                        |
|           | 12/21/2009 | Insufficient Water - Not Sampled |                   |                        |                         | 17.89  | 79.06                        |
|           | 3/8/2010   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.03  | 84.92                        |
|           | 9/30/2010  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 8.97   | 87.98                        |
|           | 12/8/2010  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.94  | 81.01                        |
|           | 3/25/2011  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/23/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.41  | 81.54                        |
|           | 9/26/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 11.57  | 85.38                        |
|           | 12/29/2011 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 18.27  | 78.68                        |
|           | 3/20/2012  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/12/2012  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/25/2012  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/18/2012 | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 17.00  | 79.95                        |
|           | 12/27/2013 | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/13/2014  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/24/2014  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/26/2014  | Insufficient Water - Not Sampled |                   |                        |                         | 19.03  | 77.91                        |
|           | 12/23/2014 | Insufficient Water - Not Sampled |                   |                        |                         | 19.13  | 77.81                        |
|           | 3/10/2015  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/22/2015  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/25/2015  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/30/2015 | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/30/2016  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/28/2016  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/6/2016   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 11/11/2016 | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/22/2016 | Frozen - Not Sampled             |                   |                        |                         | NM   | NA                           |
|           | 3/30/2017  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/21/2017  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/5/2017   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/4/2017  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name                       | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|---------------------------------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
| MW04                            | 1/30/2008  | Insufficient Water - Not Sampled |                   |                        |                         | NM   | NA                           |
|                                 | 3/6/2008   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/10/2008  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.00  | NA                           |
|                                 | 9/4/2008   | <1.0                             | <1.0              | <1.0                   | <1.0                    | 8.95   | NA                           |
|                                 | 12/17/2008 | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|                                 | 3/9/2009   | InsufficienT Water - Not Sampled |                   |                        |                         | 19.20  | NA                           |
|                                 | 6/24/2009  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 14.12  | NA                           |
|                                 | 9/10/2009  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.03  | NA                           |
|                                 | 12/21/2009 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.60  | NA                           |
|                                 | 3/8/2010   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/30/2010  | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|                                 | 9/30/2010  | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|                                 | 12/8/2010  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 13.67  | NA                           |
|                                 | 3/25/2011  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/23/2011  | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
| MW04 destroyed as of 9/26/2011  |            |                                  |                   |                        |                         |  |                              |
| MW04R                           | 12/29/2011 | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
| MW04R destroyed as of 3/20/2012 |            |                                  |                   |                        |                         |  |                              |
| MW05                            | 1/30/2008  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 3/6/2008   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/10/2008  | 310                              | <1.0              | 9.3                    | 13                      | 16.47  | 78.58                        |
|                                 | 9/4/2008   | 4.5                              | <1.0              | 9.4                    | 5.6                     | 13.74  | 81.31                        |
|                                 | 12/17/2008 | Insufficient Water - Not Sampled |                   |                        |                         | Dry  | NA                           |
|                                 | 3/9/2009   | Insufficient Water - Not Sampled |                   |                        |                         | 19.07  | 75.98                        |
|                                 | 6/24/2009  | 76                               | <1.0              | 11                     | 2.2                     | 15.53  | 79.52                        |
|                                 | 9/10/2009  | 200                              | <1.0              | 180                    | 340                     | 11.09  | 83.96                        |
|                                 | 12/21/2009 | Insufficient Water - Not Sampled |                   |                        |                         | 19.21  | 78.58                        |
|                                 | 3/8/2010   | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/30/2010  | 26                               | <1.0              | 35                     | <1.0                    | 15.66  | 82.13                        |
|                                 | 9/30/2010  | 9.1                              | 8.3               | 5.5                    | <1.0                    | 11.37  | 86.42                        |
|                                 | 12/8/2010  | 1.0                              | <1.0              | <1.0                   | <1.0                    | 17.77  | 80.02                        |
|                                 | 3/25/2011  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/23/2011  | 66                               | <1.0              | <1.0                   | <1.0                    | 17.62  | 80.17                        |
|                                 | 9/26/2011  | 2.2                              | 4.6               | <1.0                   | <1.0                    | 14.92  | 81.87                        |
|                                 | 12/29/2011 | Insufficient Water - Not Sampled |                   |                        |                         | 19.27  | 77.52                        |
|                                 | 3/20/2012  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/12/2012  | 1.1                              | <1.0              | <1.0                   | <1.0                    | 20.70  | 76.09                        |
|                                 | 9/25/2012  | Insufficient Water - Not Sampled |                   |                        |                         | 20.35  | 76.44                        |
|                                 | 12/18/2012 | Insufficient Water - Not Sampled |                   |                        |                         | 19.53  | 77.26                        |
|                                 | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 6/26/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|                                 | 9/23/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |



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**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                           | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|--------------------------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 11/1/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/27/2013                     | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/13/2014                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | MW05 destroyed as of 6/14/2014 |                                  |                   |                        |                         |  |                              |
| MW05R     | 6/9/2014                       | Not Sampled                      |                   |                        |                         | 27.79  | NA                           |
|           | 6/24/2014                      | 140                              | <1.0              | 417                    | 5120                    | 25.65  | NA                           |
|           | 9/26/2014                      | 108                              | <20.0             | 287                    | 2330                    | 21.21  | NA                           |
|           | 12/23/2014                     | 61.4                             | <20.0             | 183                    | 1730                    | 24.08  | NA                           |
|           | 3/10/2015                      | 123                              | <10.0             | 481                    | 7190                    | 28.54  | NA                           |
|           | 6/22/2015                      | 121                              | <4.0              | 498                    | 5040                    | 29.00  | NA                           |
|           | 9/25/2015                      | 130                              | <4.0              | 56.5                   | <4.0                    | 21.37  | NA                           |
|           | 12/30/2015                     | 129                              | <1.0              | 470                    | 2750                    | 26.13  | NA                           |
|           | 3/30/2016                      | 81.5                             | <10.0             | 294                    | 2560                    | 28.84  | NA                           |
|           | 6/28/2016                      | 124                              | <4.00             | 424                    | 2,420                   | 27.99  | NA                           |
|           | 9/6/2016                       | <4.00                            | <4.00             | 42.0                   | 78.9                    | 23.23  | NA                           |
|           | 11/11/2016                     | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/22/2016                     | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | MW05R abandoned on 1/30/2017   |                                  |                   |                        |                         |  |                              |
| MW05R2    | 1/31/2017                      | Insufficient Water - Not Sampled |                   |                        |                         | 30.14  | 66.72                        |
|           | 2/14/2017                      | 8.92                             | <1.00             | 126                    | 807                     | NM   | NA                           |
|           | 3/30/2017                      | <1.00                            | <1.00             | 3.70                   | 127                     | 29.65  | 67.21                        |
|           | 6/21/2017                      | <1.00                            | <1.00             | 9.02                   | <1.00                   | 28.05  | 68.81                        |
|           | 9/5/2017                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 28.85  | 68.01                        |
|           | 12/4/2017                      | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.02  | 70.84                        |
| MW06      | 1/30/2008                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/6/2008                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/10/2008                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 16.52  | 76.56                        |
|           | 9/4/2008                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 14.11  | 78.97                        |
|           | 12/17/2008                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 3/9/2009                       | Insufficient Water - Not Sampled |                   |                        |                         | 19.55  | 73.53                        |
|           | 6/24/2009                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 18.32  | 77.74                        |
|           | 9/10/2009                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.71  | 83.35                        |
|           | 12/21/2009                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | 18.70  | 76.81                        |
|           | 3/8/2010                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 15.16  | 80.35                        |
|           | 9/30/2010                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 11.01  | 84.50                        |
|           | 12/8/2010                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 17.26  | 78.25                        |
|           | 3/25/2011                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/23/2011                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/26/2011                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 13.45  | 82.06                        |
|           | 12/29/2011                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | 20.95  | 74.56                        |



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**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                           | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|--------------------------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 3/20/2012                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/12/2012                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/25/2012                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/18/2012                     | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/14/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 11/1/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/27/2013                     | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 3/13/2014                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/24/2014                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/26/2014                      | Damaged - Not Sampled            |                   |                        |                         | PVC Blocked  | NA                           |
|           | MW06 destroyed as of 9/26/2014 |                                  |                   |                        |                         |  |                              |
| MW07      | 12/17/2008                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 3/9/2009                       | Insufficient Water - Not Sampled |                   |                        |                         | 22.73  | NA                           |
|           | 6/24/2009                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 18.67  | NA                           |
|           | 9/10/2009                      | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|           | 3/8/2010                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 14.70  | NA                           |
|           | 9/30/2010                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 10.97  | NA                           |
|           | MW07 destroyed as of 12/8/2010 |                                  |                   |                        |                         |  |                              |
| MW08      | 12/17/2008                     | 32                               | <1.0              | 17                     | 91                      | NM   | NA                           |
|           | 3/9/2009                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/24/2009                      | 16                               | <1.0              | 19                     | 130                     | 17.35  | NA                           |
|           | 9/10/2009                      | 13                               | <1.0              | 14                     | 9.0                     | 12.23  | NA                           |
|           | 12/21/2009                     | 36                               | <1.0              | 24                     | 12                      | 19.12  | NA                           |
|           | 3/8/2010                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                      | 3.5                              | <1.0              | 2.8                    | 4.4                     | 14.61  | NA                           |
|           | 9/30/2010                      | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|           | MW08 destroyed as of 12/8/2010 |                                  |                   |                        |                         |  |                              |
| MW08R     | 2/22/2011                      | 34                               | <1.0              | 260                    | 2300                    | 23.58  | 70.74                        |
|           | 3/25/2011                      | 16                               | <1.0              | 190                    | 3000                    | 25.70  | 68.62                        |
|           | 6/23/2011                      | <1.0                             | <1.0              | 3.1                    | 110                     | 16.82  | 77.50                        |
|           | 9/26/2011                      | <1.0                             | <1.0              | 11                     | <1.0                    | 12.57  | 81.75                        |
|           | 12/29/2011                     | 5.4                              | <1.0              | 18                     | 2.3                     | 20.00  | 74.32                        |
|           | 3/20/2012                      | 6.9                              | <1.0              | 160                    | 1400                    | 22.15  | 72.17                        |
|           | 6/12/2012                      | 3.2                              | <1.0              | 140                    | 1200                    | 22.10  | 72.22                        |
|           | 9/25/2012                      | <1.0                             | <1.0              | 4.7                    | 7.6                     | 21.55  | 72.77                        |
|           | 12/18/2012                     | 1.6                              | 3.4               | 8.1                    | <1.0                    | 26.25  | 68.07                        |
|           | 3/14/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                            | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|---------------------------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 9/23/2013                       | <1.0                             | <1.0              | 35                     | 13                      | 18.60  | 75.72                        |
|           | 12/27/2013                      | <4.0                             | <4.0              | 105                    | 91.1                    | 24.45  | 69.87                        |
|           | 3/13/2014                       | <4.0                             | <4.0              | 26.3                   | 16.4                    | 29.85  | 64.78                        |
|           | MW08R destroyed as of 5/28/2014 |                                  |                   |                        |                         |  |                              |
| MW08R2    | 6/9/2014                        | Not Sampled                      |                   |                        |                         | 26.79  | NA                           |
|           | 6/24/2014                       | 2.3                              | <1.0              | 119                    | 163                     | 26.20  | NA                           |
|           | 9/26/2014                       | 1.1                              | <1.0              | 24.7                   | 3.3                     | 20.26  | NA                           |
|           | 12/23/2014                      | 1.4                              | <1.0              | 30.4                   | 90.3                    | 23.67  | NA                           |
|           | 3/10/2015                       | <1.0                             | <1.0              | 4.8                    | <1.0                    | NM   | NA                           |
|           | 6/22/2015                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 28.56  | NA                           |
|           | 9/25/2015                       | <1.0                             | <1.0              | 1.4                    | <1.0                    | 20.34  | NA                           |
|           | 12/30/2015                      | 2.9                              | <1.0              | <1.0                   | <1.0                    | 25.09  | NA                           |
|           | 3/30/2016                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.94  | NA                           |
|           | 6/28/2016                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 28.82  | NA                           |
|           | 9/6/2016                        | <1.00                            | <1.00             | <1.00                  | <1.00                   | 22.74  | NA                           |
|           | 11/11/2016                      | Surveyed - Not Sampled           |                   |                        |                         | 22.74  | 72.01                        |
|           | 12/22/2016                      | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.24  | 69.50                        |
|           | 3/30/2017                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 31.70  | 63.04                        |
|           | 6/21/2017                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.99  | 67.75                        |
|           | 9/5/2017                        | <1.00                            | <1.00             | <1.00                  | <1.00                   | 27.68  | 67.06                        |
|           | 12/4/2017                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.32  | 68.42                        |
| MW09      | 12/17/2008                      | 62                               | <1.0              | 34                     | 170                     | NM   | NA                           |
|           | 3/9/2009                        | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/24/2009                       | 3.9                              | <1.0              | <1.0                   | <1.0                    | 17.21  | NA                           |
|           | 9/10/2009                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.41  | NA                           |
|           | 12/21/2009                      | 40                               | <1.0              | 15                     | 27                      | 18.91  | NA                           |
|           | 3/8/2010                        | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                       | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|           | 9/30/2010                       | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|           | 12/8/2010                       | 9.1                              | <1.0              | <1.0                   | <1.0                    | 16.60  | NA                           |
|           | 3/25/2011                       | Insufficient Water - Not Sampled |                   |                        |                         | 23.10  | NA                           |
|           | 6/23/2011                       | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|           | MW09 destroyed as of 9/26/2011  |                                  |                   |                        |                         |  |                              |
| MW09R     | 3/20/2012                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 21.05  | 72.65                        |
|           | 6/12/2012                       | <1.0                             | <1.0              | <1.0                   | <1.0                    | 20.92  | 72.78                        |
|           | 9/25/2012                       | 29                               | <1.0              | <1.0                   | <1.0                    | 22.40  | 71.30                        |
|           | 12/18/2012                      | 6.8                              | <1.0              | <1.0                   | <1.0                    | 27.12  | 66.58                        |
|           | 3/14/2013                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013                       | 1.1                              | <1.0              | <1.0                   | <1.0                    | 19.00  | 74.70                        |
|           | 12/27/2013                      | <4.0                             | <4.0              | <4.0                   | <4.0                    | 24.20  | 69.50                        |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                           | Benzene<br>(µg/L)                  | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|--------------------------------|------------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 3/13/2014                      | <4.0                               | <4.0              | <4.0                   | <4.0                    | 30.06  | 63.92                        |
|           | 6/9/2014                       | Not Sampled                        |                   |                        |                         | 26.93  | 67.03                        |
|           | 6/24/2014                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 26.46  | 67.50                        |
|           | 9/26/2014                      | 1.8                                | <1.0              | <1.0                   | <1.0                    | 20.62  | 73.34                        |
|           | 12/23/2014                     | 8.8                                | <1.0              | <1.0                   | <1.0                    | 23.40  | 70.56                        |
|           | 3/10/2015                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 27.60  | 66.36                        |
|           | 6/22/2015                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 28.13  | 65.83                        |
|           | 9/25/2015                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 20.68  | 73.28                        |
|           | 12/30/2015                     | <1.0                               | <1.0              | <1.0                   | <1.0                    | 25.00  | 68.96                        |
|           | 3/30/2016                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 27.72  | 66.24                        |
|           | 6/28/2016                      | Not Found - Not Sampled. Not Found |                   |                        |                         | NM   | NA                           |
|           | 9/6/2016                       | <1.00                              | <1.00             | <1.00                  | <1.00                   | 22.41  | 71.55                        |
|           | 11/11/2016                     | Surveyed - Not Sampled             |                   |                        |                         | 22.57  | 71.37                        |
|           | 12/22/2016                     | <1.00                              | <1.00             | <1.00                  | <1.00                   | 25.19  | 68.79                        |
|           | 3/30/2017                      | Insufficient Water - Not Sampled   |                   |                        |                         | 29.42  | 64.56                        |
|           | 6/21/2017                      | <1.00                              | <1.00             | <1.00                  | <1.00                   | 25.74  | 68.24                        |
|           | 9/5/2017                       | <1.00                              | <1.00             | <1.00                  | <1.00                   | 26.39  | 67.59                        |
|           | 12/4/2017                      | <1.00                              | <1.00             | <1.00                  | <1.00                   | 24.82  | 69.16                        |
| MW10      | 6/24/2009                      | <1.0                               | <1.0              | <1.0                   | 4.0                     | 17.12  | NA                           |
|           | 9/10/2009                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 11.71  | NA                           |
|           | 12/21/2009                     | 16                                 | <1.0              | <1.0                   | <1.0                    | 18.90  | NA                           |
|           | 3/8/2010                       | Dry - Not Sampled                  |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                      | 22                                 | <1.0              | 140                    | 390                     | 13.35  | NA                           |
|           | 9/30/2010                      | Not Found - Not Sampled            |                   |                        |                         | Not Found  | NA                           |
|           | MW10 destroyed as of 12/8/2010 |                                    |                   |                        |                         |  |                              |
| MW10R     | 2/22/2011                      | <1.0                               | <1.0              | 33                     | 43                      | 23.00  | 69.96                        |
|           | 3/25/2011                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 25.08  | 67.88                        |
|           | 6/23/2011                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 16.36  | 76.60                        |
|           | 9/26/2011                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 9.82   | 83.14                        |
|           | 12/29/2011                     | <1.0                               | <1.0              | <1.0                   | <1.0                    | 19.50  | 73.46                        |
|           | 3/20/2012                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 22.05  | 70.91                        |
|           | 6/12/2012                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 21.95  | 71.01                        |
|           | 9/25/2012                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 20.30  | 72.66                        |
|           | 12/18/2012                     | <1.0                               | 130               | <1.0                   | <1.0                    | 26.65  | 66.31                        |
|           | 3/14/2013                      | Dry - Not Sampled                  |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013                      | Dry - Not Sampled                  |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 17.80  | 75.16                        |
|           | 12/27/2013                     | <4.0                               | <4.0              | <4.0                   | <4.0                    | 23.79  | 69.17                        |
|           | 3/13/2014                      | <4.0                               | <4.0              | <4.0                   | <4.0                    | 29.77  | 63.52                        |
|           | 6/24/2014                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 25.46  | 67.94                        |
|           | 9/26/2014                      | <1.0                               | <1.0              | <1.0                   | <1.0                    | 19.51  | 73.89                        |
|           | 12/23/2014                     | <1.0                               | <1.0              | <1.0                   | <1.0                    | 23.09  | 70.31                        |





**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                           | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|--------------------------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 3/10/2015                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.08  | 66.32                        |
|           | 6/22/2015                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.25  | 66.15                        |
|           | 9/25/2015                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.67  | 73.73                        |
|           | 12/30/2015                     | <1.0                             | <1.0              | <1.0                   | <1.0                    | 24.50  | 68.90                        |
|           | 3/30/2016                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.27  | 66.13                        |
|           | 6/28/2016                      | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.80  | 66.60                        |
|           | 9/6/2016                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 22.04  | 71.36                        |
|           | 11/11/2016                     | Surveyed - Not Sampled           |                   |                        |                         | 21.82  | 71.56                        |
|           | 12/22/2016                     | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.53  | 68.97                        |
|           | 3/30/2017                      | Insufficient Water - Not Sampled |                   |                        |                         | 29.38  | 64.12                        |
|           | 6/21/2017                      | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.29  | 67.21                        |
|           | 9/5/2017                       | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.99  | 66.51                        |
|           | 12/4/2017                      | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.51  | 67.99                        |
| MW11      | 6/24/2009                      | 8.9                              | <1.0              | 15                     | 200                     | 17.02  | NA                           |
|           | 9/10/2009                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 12.21  | NA                           |
|           | 12/21/2009                     | 1.4                              | <1.0              | 1.6                    | <1.0                    | 18.62  | NA                           |
|           | 3/8/2010                       | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 13.73  | NA                           |
|           | 9/30/2010                      | Not Found - Not Sampled          |                   |                        |                         | Not Found  | NA                           |
|           | MW11 destroyed as of 12/8/2010 |                                  |                   |                        |                         |  |                              |
| MW11R     | 2/22/2011                      | 110                              | <1.0              | 190                    | 1600                    | 22.74  | 69.68                        |
|           | 3/25/2011                      | 94                               | 1.1               | 120                    | 1200                    | 25.01  | 67.41                        |
|           | 6/23/2011                      | 1.4                              | <1.0              | 2.1                    | 20                      | 16.62  | 75.80                        |
|           | 9/26/2011                      | <1.0                             | <1.0              | <1.0                   | <1.0                    | 11.22  | 81.20                        |
|           | 12/29/2011                     | 1.2                              | 1.1               | <1.0                   | <1.0                    | 19.35  | 73.07                        |
|           | 3/20/2012                      | 23                               | <1.0              | 19                     | 6.2                     | 21.30  | 71.12                        |
|           | 6/12/2012                      | 26                               | <1.0              | 14                     | 11                      | 21.26  | 71.16                        |
|           | 9/25/2012                      | 110                              | <1.0              | 73                     | 93                      | 25.10  | 67.32                        |
|           | 12/18/2012                     | 120                              | <1.0              | 140                    | 190                     | 27.05  | 65.37                        |
|           | 3/14/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013                      | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 12/27/2013                     | 50.7                             | <4.0              | 106                    | 56.0                    | 23.91  | 68.51                        |
|           | 3/13/2014                      | 44.5                             | <4.0              | 195                    | 145                     | 30.28  | 62.43                        |
|           | 6/24/2014                      | 81.7                             | <4.0              | 293                    | 210                     | 26.01  | 66.69                        |
|           | 9/26/2014                      | 97.9                             | <2.0              | 106                    | 46.0                    | 20.04  | 72.66                        |
|           | 12/31/2014                     | 108                              | <1.0              | 167                    | 24.8                    | 23.02  | 69.68                        |
|           | 3/10/2015                      | 158                              | <1.0              | 158                    | 11.2                    | 27.34  | 65.36                        |
|           | 6/22/2015                      | 110                              | <4.0              | 17.5                   | <4.0                    | 27.62  | 65.08                        |
|           | 9/25/2015                      | 127                              | <1.0              | 33.7                   | <1.0                    | 20.24  | 72.46                        |
|           | 12/30/2015                     | 200                              | 1.1               | 88.1                   | 4.9                     | 24.51  | 68.19                        |
|           | 3/30/2016                      | 7.6                              | <4.0              | <4.0                   | <4.0                    | 27.40  | 65.30                        |



**TABLE 2**  
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**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date                           | Benzene<br>(µg/L)       | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|--------------------------------|-------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 6/28/2016                      | <4.00                   | <4.00             | <4.00                  | <4.00                   | 26.30  | 66.40                        |
|           | 9/6/2016                       | <1.00                   | <1.00             | <1.00                  | <1.00                   | 22.03  | 70.67                        |
|           | 11/11/2016                     | Surveyed - Not Sampled  |                   |                        |                         | 22.03  | 70.74                        |
|           | 12/22/2016                     | <1.00                   | <1.00             | <1.00                  | <1.00                   | 24.69  | 68.07                        |
|           | 3/30/2017                      | Dry - Not Sampled       |                   |                        |                         | Dry  | NA                           |
|           | 6/21/2017                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | 26.00  | 66.76                        |
|           | 9/5/2017                       | <1.00                   | <1.00             | <1.00                  | <1.00                   | 26.71  | 66.05                        |
|           | 12/4/2017                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | 25.14  | 67.62                        |
| MW12      | 6/24/2009                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 16.31  | NA                           |
|           | 9/10/2009                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 11.62  | NA                           |
|           | 12/21/2009                     | <1.0                    | <1.0              | <1.0                   | <1.0                    | 18.54  | NA                           |
|           | 3/8/2010                       | Dry - Not Sampled       |                   |                        |                         | Dry  | NA                           |
|           | 6/30/2010                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 13.85  | NA                           |
|           | 9/30/2010                      | Not Found - Not Sampled |                   |                        |                         | Not Found  | NA                           |
|           | MW12 destroyed as of 12/8/2010 |                         |                   |                        |                         |  |                              |
| MW12R     | 3/14/2013                      | Dry - Not Sampled       |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013                      | Dry - Not Sampled       |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013                      | 2.1                     | <1.0              | <1.0                   | <1.0                    | 19.20  | 73.14                        |
|           | 12/27/2013                     | <4.0                    | <4.0              | <4.0                   | <4.0                    | 24.25  | 68.09                        |
|           | 3/13/2014                      | <4.0                    | <4.0              | <4.0                   | <4.0                    | 29.15  | 63.29                        |
|           | 6/24/2014                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 26.31  | 66.15                        |
|           | 9/26/2014                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 20.71  | 71.75                        |
|           | 12/31/2014                     | <1.0                    | <1.0              | <1.0                   | <1.0                    | 23.43  | 69.03                        |
|           | 3/10/2015                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 27.47  | 64.99                        |
|           | 6/22/2015                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 27.64  | 64.82                        |
|           | 9/25/2015                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 21.69  | 70.77                        |
|           | 12/30/2015                     | <1.0                    | <1.0              | <1.0                   | <1.0                    | 25.06  | 67.40                        |
|           | 3/30/2016                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 27.52  | 64.94                        |
|           | 6/28/2016                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | 25.23  | 67.23                        |
|           | 9/6/2016                       | <1.00                   | <1.00             | <1.00                  | <1.00                   | 22.02  | 70.44                        |
|           | 11/11/2016                     | Surveyed - Not Sampled  |                   |                        |                         | 21.45  | 71.14                        |
|           | 12/22/2016                     | Dry - Not Sampled       |                   |                        |                         | Dry  | NA                           |
|           | MW12R abandoned on 1/30/2017   |                         |                   |                        |                         |  |                              |
| MW12R2    | 1/31/2017                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | NM   | NA                           |
|           | 3/30/2017                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | 29.92  | 62.70                        |
|           | 6/21/2017                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | 24.50  | 68.12                        |
|           | 9/5/2017                       | <1.00                   | <1.00             | <1.00                  | <1.00                   | 25.21  | 67.41                        |
|           | 12/4/2017                      | <1.00                   | <1.00             | <1.00                  | <1.00                   | 24.65  | 67.97                        |
| MW13      | 2/22/2011                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 23.38  | 68.76                        |
|           | 3/25/2011                      | <1.0                    | <1.0              | <1.0                   | <1.0                    | 24.90  | 67.24                        |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 6/23/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 10.56  | 81.58                        |
|           | 9/27/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 12/29/2011 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.45  | 72.69                        |
|           | 3/20/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 22.25  | 69.89                        |
|           | 6/12/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 21.95  | 70.19                        |
|           | 9/25/2012  | <1.0                             | 1.5               | <1.0                   | <1.0                    | 18.20  | 73.94                        |
|           | 12/18/2012 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 26.49  | 65.65                        |
|           | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 17.78  | 74.36                        |
|           | 12/27/2013 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 23.70  | 68.44                        |
|           | 3/13/2014  | <4.0                             | <4.0              | <4.0                   | <4.0                    | 30.04  | 62.46                        |
|           | 6/24/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.40  | 67.14                        |
|           | 9/26/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.53  | 73.01                        |
|           | 12/23/2014 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 22.90  | 69.64                        |
|           | 3/10/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 26.87  | 65.67                        |
|           | 6/22/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 26.85  | 65.69                        |
|           | 9/25/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.69  | 72.85                        |
|           | 12/30/2015 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 24.37  | 68.17                        |
|           | 3/30/2016  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.16  | 65.38                        |
|           | 6/28/2016  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.88  | 65.66                        |
|           | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 21.83  | 70.71                        |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 21.75  | 70.82                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.31  | 68.23                        |
|           | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 29.40  | 63.14                        |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.80  | 66.74                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.33  | 66.21                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.91  | 67.63                        |
| <hr/>     |            |                                  |                   |                        |                         |  |                              |
| MW14      | 2/22/2011  | 69                               | <1.0              | 190                    | 1000                    | 22.53  | 68.51                        |
|           | 3/25/2011  | 31                               | <1.0              | 130                    | 510                     | 24.72  | 66.32                        |
|           | 6/23/2011  | <1.0                             | <1.0              | 2.3                    | 2.4                     | 16.75  | 74.29                        |
|           | 9/27/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | NM   | NA                           |
|           | 12/29/2011 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.50  | 71.54                        |
|           | 3/20/2012  | 28                               | <1.0              | 120                    | 4.8                     | 20.50  | 70.54                        |
|           | 6/12/2012  | 1.4                              | <1.0              | 8.3                    | <1.0                    | 20.27  | 70.77                        |
|           | 9/25/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 21.30  | 69.74                        |
|           | 12/18/2012 | 6.0                              | 15                | <1.0                   | <1.0                    | 26.67  | 64.37                        |
|           | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013  | Insufficient Water - Not Sampled |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013  | <1.0                             | <1.0              | 1.2                    | <1.0                    | 18.35  | 72.69                        |
|           | 12/27/2013 | <4.0                             | <4.0              | <4.0                   | <4.0                    | 23.58  | 67.46                        |
|           | 3/13/2014  | <4.0                             | <4.0              | <4.0                   | <4.0                    | 29.83  | 61.54                        |
|           | 6/24/2014  | 34.5                             | <1.0              | <1.0                   | <1.0                    | 25.77  | 65.71                        |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 9/26/2014  | 14.1                             | <1.0              | <1.0                   | <1.0                    | 19.78  | 71.70                        |
|           | 12/23/2014 | 42.7                             | <1.0              | 2.3                    | <1.0                    | 23.05  | 68.43                        |
|           | 3/10/2015  | 13.2                             | <1.0              | <1.0                   | <1.0                    | 27.27  | 64.21                        |
|           | 6/22/2015  | 1.0                              | <1.0              | <1.0                   | <1.0                    | 27.41  | 64.07                        |
|           | 9/25/2015  | 37.0                             | <1.0              | <1.0                   | <1.0                    | 20.07  | 71.41                        |
|           | 12/30/2015 | 14.8                             | <1.0              | <1.0                   | <1.0                    | 24.37  | 67.11                        |
|           | 3/30/2016  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.51  | 63.97                        |
|           | 6/28/2016  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.54  | 64.94                        |
|           | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 21.94  | 69.54                        |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 21.70  | 69.75                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.52  | 66.98                        |
|           | 3/30/2017  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.89  | 65.61                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.54  | 64.96                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.17  | 66.33                        |
| MW15      | 6/23/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 17.98  | 72.22                        |
|           | 9/26/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 0.85   | 89.35                        |
|           | 12/29/2011 | 40                               | <1.0              | 88                     | <1.0                    | 19.71  | 70.49                        |
|           | 3/20/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 21.72  | 68.48                        |
|           | 6/12/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 21.41  | 68.79                        |
|           | 9/25/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.05  | 65.15                        |
|           | 12/18/2012 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.46  | 62.74                        |
|           | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013  | Insufficient Water - Not Sampled |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 18.59  | 71.61                        |
|           | 12/27/2013 | <4.0                             | <4.0              | <4.0                   | <4.0                    | 24.14  | 66.06                        |
|           | 3/13/2014  | <4.0                             | <4.0              | <4.0                   | <4.0                    | 29.10  | 61.39                        |
|           | 6/24/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.56  | 64.92                        |
|           | 9/26/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.44  | 71.04                        |
|           | 12/23/2014 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 22.33  | 68.15                        |
|           | 3/10/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.94  | 62.54                        |
|           | 6/22/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.81  | 62.67                        |
|           | 9/25/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 20.43  | 70.05                        |
|           | 12/30/2015 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 24.78  | 65.70                        |
|           | 3/30/2016  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 28.09  | 62.39                        |
|           | 6/28/2016  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 27.43  | 63.05                        |
|           | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 22.09  | 68.39                        |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 21.83  | 68.75                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.50  | 66.04                        |
|           | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 28.88  | 61.66                        |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.06  | 64.48                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.74  | 64.80                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.78  | 66.76                        |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
| MW16      | 6/23/2011  | 2.8                              | <1.0              | 46                     | <1.0                    | 17.54  | 71.30                        |
|           | 9/26/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 1.25   | 87.59                        |
|           | 12/29/2011 | 1.8                              | <1.0              | 4.5                    | <1.0                    | 18.85  | 69.99                        |
|           | 3/20/2012  | <b>29</b>                        | <1.0              | 87                     | <1.0                    | 19.75  | 69.09                        |
|           | 6/12/2012  | 1.5                              | <1.0              | 12                     | <1.0                    | 19.70  | 69.14                        |
|           | 9/25/2012  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.40  | 63.44                        |
|           | 12/18/2012 | 2.4                              | <1.0              | <1.0                   | <1.0                    | 26.78  | 62.06                        |
|           | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013  | Insufficient Water - Not Sampled |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013  | 4.8                              | <1.0              | <1.0                   | <1.0                    | 19.00  | 69.84                        |
|           | 12/27/2013 | <4.0                             | <4.0              | <4.0                   | <4.0                    | 24.05  | 64.79                        |
|           | 3/28/2014  | 4.0                              | <4.0              | <4.0                   | <4.0                    | NM   | NA                           |
|           | 6/24/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.83  | 63.29                        |
|           | 9/26/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 19.83  | 69.29                        |
|           | 12/23/2014 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 23.16  | 65.96                        |
|           | 3/10/2015  | <b>10.0</b>                      | <1.0              | <1.0                   | <1.0                    | 27.19  | 61.93                        |
|           | 6/22/2015  | <b>6.2</b>                       | <1.0              | <1.0                   | <1.0                    | 27.05  | 62.07                        |
|           | 9/25/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 20.28  | 68.84                        |
|           | 12/30/2015 | 4.7                              | <1.0              | <1.0                   | <1.0                    | 24.33  | 64.79                        |
|           | 3/30/2016  | <b>14.0</b>                      | <1.0              | <1.0                   | <1.0                    | 27.38  | 61.74                        |
|           | 6/28/2016  | <b>9.43</b>                      | <1.00             | <1.00                  | <1.00                   | 26.16  | 62.96                        |
|           | 9/6/2016   | 3.53                             | <1.00             | <1.00                  | <1.00                   | 21.71  | 67.41                        |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 11.40  | 77.75                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.57  | 64.45                        |
|           | 3/30/2017  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.40  | 63.62                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.18  | 62.84                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.74  | 64.28                        |
| MW17      | 6/23/2011  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 16.70  | 73.32                        |
|           | 9/26/2011  | 3.1                              | <1.0              | 10                     | <1.0                    | 10.95  | 79.07                        |
|           | 12/29/2011 | 1.8                              | <1.0              | 3.7                    | <1.0                    | NM   | NA                           |
|           | 3/20/2012  | 2.7                              | <1.0              | 5.8                    | <1.0                    | 21.15  | 68.87                        |
|           | 6/12/2012  | 4.6                              | <1.0              | 3.2                    | <1.0                    | 20.95  | 69.07                        |
|           | 9/25/2012  | 1.7                              | <1.0              | 3.1                    | <1.0                    | 25.60  | 64.42                        |
|           | 12/18/2012 | 1.8                              | <1.0              | 2.7                    | <1.0                    | 26.55  | 63.47                        |
|           | 3/14/2013  | Dry - Not Sampled                |                   |                        |                         | Dry  | NA                           |
|           | 6/26/2013  | Insufficient Water - Not Sampled |                   |                        |                         | Dry  | NA                           |
|           | 9/23/2013  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 18.55  | 71.47                        |
|           | 12/27/2013 | <b>11.2</b>                      | <4.0              | <4.0                   | <4.0                    | 23.44  | 66.58                        |
|           | 3/13/2014  | <b>7.4</b>                       | <4.0              | <4.0                   | <4.0                    | 30.09  | 60.25                        |
|           | 6/24/2014  | <b>3.0</b>                       | <1.0              | <1.0                   | <1.0                    | 25.54  | 64.84                        |
|           | 9/26/2014  | <b>39.4</b>                      | <1.0              | <1.0                   | <1.0                    | 20.32  | 70.06                        |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-----------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
|           | 12/23/2014 | 21.2                             | <1.0              | <1.0                   | <1.0                    | 22.73  | 67.65                        |
|           | 3/10/2015  | 9.2                              | <1.0              | 1.7                    | <1.0                    | 26.82  | 63.56                        |
|           | 6/22/2015  | 2.0                              | <1.0              | <1.0                   | <1.0                    | 26.98  | 63.40                        |
|           | 9/25/2015  | 16.3                             | <1.0              | <1.0                   | <1.0                    | 20.13  | 70.25                        |
|           | 12/30/2015 | 21.0                             | <1.0              | <1.0                   | <1.0                    | 24.25  | 66.13                        |
|           | 3/30/2016  | 5.3                              | <1.0              | <1.0                   | <1.0                    | 27.16  | 63.22                        |
|           | 6/28/2016  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.38  | 65.00                        |
|           | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 21.69  | 68.69                        |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 21.63  | 68.72                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.11  | 66.27                        |
|           | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 29.32  | 61.06                        |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.18  | 65.20                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.94  | 64.44                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.41  | 65.97                        |
|           |            |                                  |                   |                        |                         |  |                              |
| MW18      | 6/24/2014  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.70  | NA                           |
|           | 9/26/2014  | 30.8                             | <1.0              | <1.0                   | <1.0                    | 19.48  | NA                           |
|           | 12/23/2014 | 24.2                             | <1.0              | <1.0                   | <1.0                    | 22.00  | NA                           |
|           | 3/10/2015  | 6.2                              | <1.0              | <1.0                   | <1.0                    | 26.29  | NA                           |
|           | 6/22/2015  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 26.33  | NA                           |
|           | 9/25/2015  | 2.2                              | <1.0              | <1.0                   | <1.0                    | 19.40  | NA                           |
|           | 12/30/2015 | 63.2                             | <1.0              | <1.0                   | <1.0                    | 23.51  | NA                           |
|           | 3/30/2016  | 2.0                              | <1.0              | <1.0                   | <1.0                    | 26.83  | NA                           |
|           | 6/28/2016  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.23  | NA                           |
|           | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 20.74  | NA                           |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 20.87  | 67.78                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.70  | 65.15                        |
|           | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 28.71  | 60.14                        |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.45  | 64.40                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.27  | 63.58                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.66  | 65.19                        |
|           |            |                                  |                   |                        |                         |  |                              |
| MW19      | 10/23/2015 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 20.18  | NA                           |
|           | 12/30/2015 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 23.09  | NA                           |
|           | 3/30/2016  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 25.92  | NA                           |
|           | 6/28/2016  | <4.00                            | <4.00             | <4.00                  | <4.00                   | 23.35  | NA                           |
|           | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 20.33  | NA                           |
|           | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 20.35  | 66.84                        |
|           | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 22.33  | 64.44                        |
|           | 3/30/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 27.44  | 59.33                        |
|           | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.08  | 63.69                        |
|           | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.58  | 63.19                        |
|           | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 22.08  | 64.69                        |



**TABLE 2**  
**GROUNDWATER ANALYTICAL AND FIELD RESULTS**  
**ANDERSON 12-27/ BOHLENDER 1-27**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

| Well Name                     | Date       | Benzene<br>(µg/L)                | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total Xylenes<br>(µg/L) | Depth Water/<br>(Product<br>Thickness)<br>(ft bgs) | Relative<br>GW Elev.<br>(ft) |
|-------------------------------|------------|----------------------------------|-------------------|------------------------|-------------------------|--|------------------------------|
| MW20                          | 10/23/2015 | <b>37.5</b>                      | <1.0              | 9.1                    | <1.0                    | 21.29  | NA                           |
|                               | 12/30/2015 | <b>70.7</b>                      | <1.0              | 6.1                    | <1.0                    | 24.02  | NA                           |
|                               | 3/30/2016  | <b>61.8</b>                      | <1.0              | 3.0                    | <1.0                    | 26.96  | NA                           |
|                               | 6/28/2016  | <b>11.3</b>                      | <1.00             | 2.27                   | <1.00                   | 25.62  | NA                           |
|                               | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 21.38  | NA                           |
|                               | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 21.10  | 66.64                        |
|                               | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.20  | 63.67                        |
|                               | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 29.17  | 58.70                        |
|                               | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.07  | 62.80                        |
|                               | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.46  | 62.41                        |
|                               | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.96  | 63.91                        |
| MW21                          | 10/23/2015 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 21.84  | NA                           |
|                               | 12/30/2015 | <1.0                             | <1.0              | <1.0                   | <1.0                    | 24.81  | NA                           |
|                               | 3/30/2016  | <1.0                             | <1.0              | <1.0                   | <1.0                    | 27.70  | NA                           |
|                               | 6/28/2016  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.54  | NA                           |
|                               | 9/6/2016   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 21.95  | NA                           |
|                               | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 22.01  | 66.37                        |
|                               | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.62  | 63.74                        |
|                               | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 29.60  | 58.76                        |
|                               | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 25.67  | 62.69                        |
|                               | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.41  | 61.95                        |
|                               | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.83  | 64.53                        |
| MW22                          | 10/25/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 19.25  | NA                           |
|                               | 11/11/2016 | Surveyed - Not Sampled           |                   |                        |                         | 20.86  | 65.42                        |
|                               | 12/22/2016 | <1.00                            | <1.00             | <1.00                  | <1.00                   | 23.36  | 62.89                        |
|                               | 3/30/2017  | Insufficient Water - Not Sampled |                   |                        |                         | 28.54  | 57.71                        |
|                               | 6/21/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 24.72  | 61.53                        |
|                               | 9/5/2017   | <1.00                            | <1.00             | <1.00                  | <1.00                   | 26.57  | 59.68                        |
|                               | 12/4/2017  | <1.00                            | <1.00             | <1.00                  | <1.00                   | 22.97  | 63.28                        |
| <b>COGCC Allowable Levels</b> |            | <b>5</b>                         | <b>1000</b>       | <b>700</b>             | <b>1400</b>             |  |                              |

Notes: COGCC - Colorado Oil and Gas Conservation Commission

Elev. - elevation

ft bgs - feet below ground surface

GW - groundwater

NA - not analyzed/not available

NM - not measured

µg/L - micrograms per liter

< - less than laboratory reporting limit

Bold indicates result exceeds allowable level

Excavation groundwater depth is approximate

Results in red indicate data from samples collected after start up of air sparge/soil vapor extraction remediation system.



April 05, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Anderson 12-27/Bohlender 1-27**    **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. March 30, 2017. This project is associated with Origins project number Y703423-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled         | Date Received    |
|-----------|---------------|--------|----------------------|------------------|
| MW05R2    | Y703423-01    | Water  | March 30, 2017 10:00 | 03/30/2017 15:18 |
| MW08R2    | Y703423-02    | Water  | March 30, 2017 12:00 | 03/30/2017 15:18 |
| MW12R2    | Y703423-03    | Water  | March 30, 2017 12:19 | 03/30/2017 15:18 |
| MW19      | Y703423-04    | Water  | March 30, 2017 13:15 | 03/30/2017 15:18 |

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

Y103423

1/2

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

| Client: LT Environmental, Inc.               |                       | Project Manager: Brian Sulzberger |             | Project Number: KMG05162/WO #88438530 |                          |
|--|-----------------------|-----------------------------------|-------------|---------------------------------------|--------------------------|
| Project: KMG - Anderson 12-27/Bohlender 1-27 |                       | Sample Time                       |             | Container                             |                          |
| Number                                       | Sample Identification | Matrix                            | Sample Date | Sample Time                           | Container                |
| 01-001                                       | MW03R                 | Water                             | 3/30/17     |                                       | 40mL Amber VOA Vial - HC |
| 02-001                                       | MW05R                 | Water                             |             |                                       | 40mL Amber VOA Vial - HC |
| 03-001                                       | MW08R                 | Water                             |             | 1000                                  | 40mL Amber VOA Vial - HC |
| 04-001                                       | MW09R                 | Water                             |             | 1200                                  | 40mL Amber VOA Vial - HC |
| 05-001                                       | MW10R                 | Water                             |             |                                       | 40mL Amber VOA Vial - HC |
| 06-001                                       | MW11R                 | Water                             |             |                                       | 40mL Amber VOA Vial - HC |
| 07-001                                       | MW12R                 | Water                             |             |                                       | 40mL Amber VOA Vial - HC |
| 08-001                                       | MW13                  | Water                             |             | 1219                                  | 40mL Amber VOA Vial - HC |
| 09-001                                       | MW14                  | Water                             |             |                                       | 40mL Amber VOA Vial - HC |
| 10-001                                       | MW15                  | Water                             |             |                                       | 40mL Amber VOA Vial - HC |
| 11-001                                       | MW16                  | Water                             |             |                                       | 40mL Amber VOA Vial - HC |

Temperature on Receipt: 4.7  
Turn Around Time:  
Same Day ☐ 72-hr ☐  
24-hr ☐ Standard ☐  
48-hr ☐

Relinquished By \_\_\_\_\_ Date / Time \_\_\_\_\_  
Received By \_\_\_\_\_ Date / Time \_\_\_\_\_

Relinquished By *[Signature]* 3/30/17 1516  
Date / Time  
Received By *[Signature]* 3-30-17 1516  
Date / Time

Origins Laboratory, Inc.

*Jefe Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27



2/2

| 12-001 | MW17 | Water |              |  | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
|--------|------|-------|--------------|--|--------------------------|-------------------|
| 13-001 | MW18 | Water |              |  | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 14-001 | MW19 | Water | 3/30/17 1315 |  | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 15-001 | MW20 | Water |              |  | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 16-001 | MW21 | Water |              |  | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 17-001 | MW22 | Water |              |  | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |

Temperature on Receipt: 4.7

Turn Around Time: ☐ Same Day ☐ 24-hr ☒ 72-hr ☐ Standard ☐ 48-hr

Relinquished By: [Signature] Date / Time: 3/30/17 1518

Received By: [Signature] Date / Time: 3-30-17 1518

Origins Laboratory, Inc.

*Jefe Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: Y703423

Client: LTE

Client Project ID: KMG - Anderson 12-27/Bohlender 1-27

Checklist Completed by: D. W.

Shipped Via: HS

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3-30-17 1723

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid / Water Other:

Cooler Number/Temperature: / 4.7 °C / °C / °C / °C (Describe)

Thermometer ID: T003

| Requirement Description   | Yes                                 | No                                  | N/A                      | Comments (if any)       |
|---|-------------------------------------|-------------------------------------|--------------------------|-------------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Is there ice present (document if blue ice is used)   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                         |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                         |
| Were all samples received intact <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Was adequate sample volume provided <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                         |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                         |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <u>1 of 1 vol MW-19</u> |
| Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                         |
| Additional Comments (if any):   |                                     |                                     |                          |                         |

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 3/31/17

Origins Laboratory, Inc.

Jefe Pellegrini

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2

3/30/2017 10:00:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y703423-01 (Water)

## BTEX by EPA 8260C

|                |      |      |      |   |         |            |            |   |
|----------------|------|------|------|---|---------|------------|------------|---|
| Benzene        | ND   | 1.00 | ug/L | 1 | B7D0308 | 04/03/2017 | 04/04/2017 | U |
| Toluene        | ND   | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | 3.70 | 1.00 | "    | " | "       | "          | "          |   |
| Xylenes, total | 127  | 1.00 | "    | " | "       | "          | "          |   |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 98.0 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 107 %  | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.9 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2

3/30/2017 12:00:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y703423-02 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7D0308 | 04/03/2017 | 04/04/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |   |   |   |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 98.4 % | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 101 %  | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 98.9 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW12R2

3/30/2017 12:19:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y703423-03 (Water)

BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7D0308 | 04/03/2017 | 04/04/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |   |   |   |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 99.1 % | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 99.8 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 99.9 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW19  
3/30/2017 1:15:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y703423-04 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7D0308 | 04/03/2017 | 04/04/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 99.9 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 102 %  | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 99.7 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7D0308 - EPA 5030B (Water)**

**Blank (B7D0308-BLK1)**

Prepared: 04/03/2017 Analyzed: 04/03/2017

|                                  |    |      |      |      |      |  |        |  |  |   |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| Benzene                          | ND | 1.00 | ug/L |      |      |  |        |  |  | U |
| Toluene                          | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Ethylbenzene                     | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Xylenes, total                   | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 59 |      | "    | 62.5 | 94.8 |  | 84-121 |  |  |   |
| Surrogate: Toluene-d8            | 60 |      | "    | 62.5 | 96.0 |  | 85-115 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 58 |      | "    | 62.5 | 92.7 |  | 84-114 |  |  |   |

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7D0308 - EPA 5030B (Water)**

**LCS (B7D0308-BS1)**

Prepared: 04/03/2017 Analyzed: 04/03/2017

|                                  |      |      |      |      |  |      |          |
|----------------------------------|------|------|------|------|--|------|----------|
| Benzene                          | 48.1 | 1.00 | ug/L | 50.0 |  | 96.3 | 73.3-129 |
| Toluene                          | 50.2 | 1.00 | "    | 50.0 |  | 100  | 76.2-123 |
| Ethylbenzene                     | 52.1 | 1.00 | "    | 50.0 |  | 104  | 73.6-130 |
| m,p-Xylene                       | 103  | 2.00 | "    | 100  |  | 103  | 76.1-126 |
| o-Xylene                         | 49.4 | 1.00 | "    | 50.0 |  | 98.7 | 76.6-124 |
| Surrogate: 1,2-Dichloroethane-d4 | 54   |      | "    | 62.5 |  | 86.3 | 84-121   |
| Surrogate: Toluene-d8            | 61   |      | "    | 62.5 |  | 97.5 | 85-115   |
| Surrogate: 4-Bromofluorobenzene  | 57   |      | "    | 62.5 |  | 91.8 | 84-114   |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7D0308 - EPA 5030B (Water)**

| Matrix Spike (B7D0308-MS1)       |      | Source: Y703437-01 |      |      | Prepared: 04/03/2017 Analyzed: 04/03/2017 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene                          | 48.4 | 1.00               | ug/L | 50.0 | ND  | 96.7 | 74-130 |  |  |  |
| Toluene                          | 50.8 | 1.00               | "    | 50.0 | ND  | 102  | 73-131 |  |  |  |
| Ethylbenzene                     | 52.0 | 1.00               | "    | 50.0 | ND  | 104  | 76-132 |  |  |  |
| m,p-Xylene                       | 102  | 2.00               | "    | 100  | ND  | 102  | 69-139 |  |  |  |
| o-Xylene                         | 49.1 | 1.00               | "    | 50.0 | ND  | 98.1 | 74-131 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 55   |                    | "    | 62.5 |   | 87.2 | 84-121 |  |  |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 98.2 | 85-115 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 57   |                    | "    | 62.5 |   | 90.9 | 84-114 |  |  |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7D0308 - EPA 5030B (Water)**

| Matrix Spike Dup (B7D0308-MSD1)  |      | Source: Y703437-01 |      |      | Prepared: 04/03/2017 Analyzed: 04/03/2017 |      |        |       |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|-------|----|--|
| Benzene                          | 47.8 | 1.00               | ug/L | 50.0 | ND  | 95.7 | 74-130 | 1.06  | 20 |  |
| Toluene                          | 49.9 | 1.00               | "    | 50.0 | ND  | 99.8 | 73-131 | 1.77  | 20 |  |
| Ethylbenzene                     | 51.0 | 1.00               | "    | 50.0 | ND  | 102  | 76-132 | 1.84  | 20 |  |
| m,p-Xylene                       | 102  | 2.00               | "    | 100  | ND  | 102  | 69-139 | 0.676 | 20 |  |
| o-Xylene                         | 48.4 | 1.00               | "    | 50.0 | ND  | 96.9 | 74-131 | 1.27  | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 56   |                    | "    | 62.5 |   | 89.5 | 84-121 |       |    |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 97.2 | 85-115 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 57   |                    | "    | 62.5 |   | 91.9 | 84-114 |       |    |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



June 28, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Anderson 12-27/Bohlender 1-27**    **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. June 21, 2017. This project is associated with Origins project number Y706283-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled        | Date Received    |
|-----------|---------------|--------|---------------------|------------------|
| MW05R2    | Y706283-01    | Water  | June 21, 2017 10:05 | 06/21/2017 15:13 |
| MW08R2    | Y706283-02    | Water  | June 21, 2017 10:10 | 06/21/2017 15:13 |
| MW09R     | Y706283-03    | Water  | June 21, 2017 10:15 | 06/21/2017 15:13 |
| MW10R     | Y706283-04    | Water  | June 21, 2017 10:20 | 06/21/2017 15:13 |
| MW11R     | Y706283-05    | Water  | June 21, 2017 10:25 | 06/21/2017 15:13 |
| MW12R2    | Y706283-06    | Water  | June 21, 2017 10:30 | 06/21/2017 15:13 |
| MW13      | Y706283-07    | Water  | June 21, 2017 10:35 | 06/21/2017 15:13 |
| MW14      | Y706283-08    | Water  | June 21, 2017 10:40 | 06/21/2017 15:13 |
| MW15      | Y706283-09    | Water  | June 21, 2017 10:45 | 06/21/2017 15:13 |
| MW16      | Y706283-10    | Water  | June 21, 2017 10:50 | 06/21/2017 15:13 |
| MW17      | Y706283-11    | Water  | June 21, 2017 10:55 | 06/21/2017 15:13 |
| MW18      | Y706283-12    | Water  | June 21, 2017 11:00 | 06/21/2017 15:13 |
| MW19      | Y706283-13    | Water  | June 21, 2017 11:05 | 06/21/2017 15:13 |
| MW20      | Y706283-14    | Water  | June 21, 2017 11:10 | 06/21/2017 15:13 |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled        | Date Received    |
|-----------|---------------|--------|---------------------|------------------|
| MW21      | Y706283-15    | Water  | June 21, 2017 11:15 | 06/21/2017 15:13 |
| MW22      | Y706283-16    | Water  | June 21, 2017 11:20 | 06/21/2017 15:13 |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

1706283

112

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.  
Project: KMG - Anderson 12-27/Bohlender 1-27  
Project Manager: Brian Sulzberger  
Project Number: KMG05162/WO #88438530

| Number | Sample Identification | Matrix | Sample Date | Sample Time | Sampled By | Container                | Qty | Analyses             |
|--------|-----------------------|--------|-------------|-------------|------------|--------------------------|-----|----------------------|
| 01-001 | MW032R<br>Dry         | Water  | ✓           | ✓           | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 02-001 | MW05R2                | Water  | 6/21/17     | 1005        | CT         | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 03-001 | MW06R2                | Water  | ✓           | 1010        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 04-001 | MW09R                 | Water  | ✓           | 1015        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 05-001 | MW10R                 | Water  | ✓           | 1020        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 06-001 | MW11R                 | Water  | ✓           | 1025        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 07-001 | MW12R2                | Water  | ✓           | 1030        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 08-001 | MW13                  | Water  | ✓           | 1035        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 09-001 | MW14                  | Water  | ✓           | 1040        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 10-001 | MW15                  | Water  | ✓           | 1045        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |
| 11-001 | MW16                  | Water  | ✓           | 1050        | ✓          | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA<br>8260C |

Temperature on Receipt: 31.2  
Turn Around Time:  
Same Day: ☐ 72-hr: ☒  
24-hr: ☐ Standard  
48-hr: ☐

Relinquished By: *CL* Date / Time: 6/21/17 15:13  
Relinquished By: Date / Time  
Received By: Date / Time

Origins Laboratory, Inc.

*Jefe Pellegrini*

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

2/2

7705283

| Sample ID | Sample Type | Date / Time | Volume | Container                | Analysis Method   |
|-----------|-------------|-------------|--------|--------------------------|-------------------|
| 12-001    | Water       | 6/21/17     | 1055   | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 13-001    | Water       | 6/21/17     | 1100   | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 14-001    | Water       | 6/21/17     | 1105   | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 15-001    | Water       | 6/21/17     | 1110   | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 16-001    | Water       | 6/21/17     | 1115   | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |
| 17-001    | Water       | 6/21/17     | 1120   | 40mL Amber VOA Vial - HC | BTEX by EPA 8260C |

Temperature on Receipt: 31.2  
Turn Around Time: ☒ 24-hr ☐ 72-hr ☐ Standard

Relinquished By: \_\_\_\_\_ Date / Time: \_\_\_\_\_  
Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Relinquished By: *Ch...* Date / Time: 6/21/17 15:13  
Received By: *Ch...* Date / Time: 6/21/17 15:13

Origins Laboratory, Inc.

*Jefe Pellegrini*

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: Y706283

Client: LTG

Client Project ID: KMG Anderson 12-27 / Bohlender 1-27

Checklist Completed by: DLG  
Date/time completed: 6-21-17 1532

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐ (Describe)

Cooler Number/Temperature: 1 36.2 °C 1 °C 1 °C 1 °C

Thermometer ID: TW3

| Requirement Description   | Yes                                 | No                                  | N/A | Comments (if any)       |
|---|-------------------------------------|-------------------------------------|-----|-------------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?   |                                     | <input checked="" type="checkbox"/> |     | <u>sampled same day</u> |
| Is there ice present (document if blue ice is used)   | <input checked="" type="checkbox"/> |                                     |     |                         |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)   |                                     | <input checked="" type="checkbox"/> |     |                         |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)  |                                     | <input checked="" type="checkbox"/> |     |                         |
| Were all samples received intact <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                         |
| Was adequate sample volume provided <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |                                     |     |                         |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?  |                                     | <input checked="" type="checkbox"/> |     |                         |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |                                     |     |                         |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                         |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                         |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                         |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  |                                     | <input checked="" type="checkbox"/> |     |                         |
| Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH) |                                     | <input checked="" type="checkbox"/> |     |                         |
| Additional Comments (if any):   |                                     |                                     |     |                         |

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) DLG

Date/Time Reviewed 6/22/17

Origins Laboratory, Inc.

*Jefe Pellegrini*

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2

6/21/2017 10:05:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y706283-01 (Water)

## BTEX by EPA 8260C

|                |      |      |      |   |         |            |            |   |
|----------------|------|------|------|---|---------|------------|------------|---|
| Benzene        | ND   | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND   | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | 9.02 | 1.00 | "    | " | "       | "          | "          |   |
| Xylenes, total | ND   | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.8 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 100 %  | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2

6/21/2017 10:10:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y706283-02 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.7 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 97.5 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW09R

6/21/2017 10:15:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-03 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 97.2 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 99.7 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW10R

6/21/2017 10:20:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y706283-04 (Water)

BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |   |   |   |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 98.5 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 99.2 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW11R

6/21/2017 10:25:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-05 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 101 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.6 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 99.5 % | 84-114 |  |  | " | " | " |  |

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Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW12R2

6/21/2017 10:30:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-06 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 99.6 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.0 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 %  | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW13

6/21/2017 10:35:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-07 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

100 % 84-121  
101 % 85-115  
97.5 % 84-114

" " "  
" " "  
" " "

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW14

6/21/2017 10:40:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-08 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.6 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.4 % | 84-114 |  |  | " | " | " |  |

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4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW15

6/21/2017 10:45:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-09 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 98.9 % | 84-121 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 97.8 % | 85-115 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 97.3 % | 84-114 |  |  | " | " | " |

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4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW16

6/21/2017 10:50:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-10 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.4 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 96.4 % | 84-114 |  |  | " | " | " |  |

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4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW17

6/21/2017 10:55:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y706283-11 (Water)

BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |   |   |   |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 98.3 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 100 %  | 84-114 | " | " | " |

Origins Laboratory, Inc.



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4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW18

6/21/2017 11:00:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-12 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 100 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW19

6/21/2017 11:05:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-13 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.8 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 99.7 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW20

6/21/2017 11:10:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-14 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 99.7 % | 85-115 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 98.3 % | 84-114 |  |  | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW21

6/21/2017 11:15:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-15 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

102 % 84-121  
101 % 85-115  
101 % 84-114

" " "  
" " "  
" " "

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW22

6/21/2017 11:20:00AM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y706283-16 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7F2207 | 06/22/2017 | 06/23/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.9 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 %  | 84-114 |  |  | " | " | " |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

**Blank (B7F2207-BLK1)**

Prepared: 06/22/2017 Analyzed: 06/22/2017

|                                  |    |      |      |      |      |  |        |  |  |   |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| Benzene                          | ND | 1.00 | ug/L |      |      |  |        |  |  | U |
| Toluene                          | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Ethylbenzene                     | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Xylenes, total                   | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 65 |      | "    | 62.5 | 103  |  | 84-121 |  |  |   |
| Surrogate: Toluene-d8            | 63 |      | "    | 62.5 | 101  |  | 85-115 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 61 |      | "    | 62.5 | 98.2 |  | 84-114 |  |  |   |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

**Blank (B7F2207-BLK2)**

Prepared: 06/22/2017 Analyzed: 06/22/2017

|                                  |    |      |      |      |      |  |        |  |  |   |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| Benzene                          | ND | 1.00 | ug/L |      |      |  |        |  |  | U |
| Toluene                          | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Ethylbenzene                     | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Xylenes, total                   | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 64 |      | "    | 62.5 | 102  |  | 84-121 |  |  |   |
| Surrogate: Toluene-d8            | 62 |      | "    | 62.5 | 99.5 |  | 85-115 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 63 |      | "    | 62.5 | 101  |  | 84-114 |  |  |   |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte                                  | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7F2207 - EPA 5030B (Water)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7F2207-BS1)</b>                 |        |                 |       |             | Prepared: 06/22/2017 Analyzed: 06/22/2017 |      |             |     |           |       |
| Benzene                                  | 43.9   | 1.00            | ug/L  | 50.0        |   | 87.7 | 73.3-129    |     |           |       |
| Toluene                                  | 43.5   | 1.00            | "     | 50.0        |   | 87.1 | 76.2-123    |     |           |       |
| Ethylbenzene                             | 43.2   | 1.00            | "     | 50.0        |   | 86.5 | 73.6-130    |     |           |       |
| m,p-Xylene                               | 85.8   | 2.00            | "     | 100         |   | 85.8 | 76.1-126    |     |           |       |
| o-Xylene                                 | 41.6   | 1.00            | "     | 50.0        |   | 83.2 | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4         | 56     |                 | "     | 62.5        |   | 89.6 | 84-121      |     |           |       |
| Surrogate: Toluene-d8                    | 62     |                 | "     | 62.5        |   | 99.2 | 85-115      |     |           |       |
| Surrogate: 4-Bromofluorobenzene          | 64     |                 | "     | 62.5        |   | 102  | 84-114      |     |           |       |

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

**LCS (B7F2207-BS2)**

Prepared: 06/22/2017 Analyzed: 06/22/2017

|                                  |      |      |      |      |      |          |
|----------------------------------|------|------|------|------|------|----------|
| Benzene                          | 51.7 | 1.00 | ug/L | 50.0 | 103  | 73.3-129 |
| Toluene                          | 52.8 | 1.00 | "    | 50.0 | 106  | 76.2-123 |
| Ethylbenzene                     | 54.2 | 1.00 | "    | 50.0 | 108  | 73.6-130 |
| m,p-Xylene                       | 108  | 2.00 | "    | 100  | 108  | 76.1-126 |
| o-Xylene                         | 51.7 | 1.00 | "    | 50.0 | 103  | 76.6-124 |
| Surrogate: 1,2-Dichloroethane-d4 | 57   |      | "    | 62.5 | 91.3 | 84-121   |
| Surrogate: Toluene-d8            | 62   |      | "    | 62.5 | 98.9 | 85-115   |
| Surrogate: 4-Bromofluorobenzene  | 62   |      | "    | 62.5 | 99.6 | 84-114   |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

| Matrix Spike (B7F2207-MS1)       |      | Source: Y706277-01 |      |      | Prepared: 06/22/2017 Analyzed: 06/22/2017 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene                          | 52.5 | 1.00               | ug/L | 50.0 | 0.490                                     | 104  | 74-130 |  |  |  |
| Toluene                          | 52.8 | 1.00               | "    | 50.0 | ND  | 106  | 73-131 |  |  |  |
| Ethylbenzene                     | 55.2 | 1.00               | "    | 50.0 | ND  | 110  | 76-132 |  |  |  |
| m,p-Xylene                       | 106  | 2.00               | "    | 100  | ND  | 106  | 69-139 |  |  |  |
| o-Xylene                         | 50.5 | 1.00               | "    | 50.0 | ND  | 101  | 74-131 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 56   |                    | "    | 62.5 |   | 89.8 | 84-121 |  |  |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 97.7 | 85-115 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62   |                    | "    | 62.5 |   | 99.4 | 84-114 |  |  |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

| Matrix Spike (B7F2207-MS2)       |      | Source: Y706279-04 |      |      | Prepared: 06/22/2017 Analyzed: 06/22/2017 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene                          | 47.3 | 1.00               | ug/L | 50.0 | ND  | 94.6 | 74-130 |  |  |  |
| Toluene                          | 48.2 | 1.00               | "    | 50.0 | ND  | 96.4 | 73-131 |  |  |  |
| Ethylbenzene                     | 48.6 | 1.00               | "    | 50.0 | ND  | 97.2 | 76-132 |  |  |  |
| m,p-Xylene                       | 98.3 | 2.00               | "    | 100  | ND  | 98.3 | 69-139 |  |  |  |
| o-Xylene                         | 49.3 | 1.00               | "    | 50.0 | ND  | 98.6 | 74-131 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 56   |                    | "    | 62.5 |   | 90.0 | 84-121 |  |  |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 98.2 | 85-115 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 63   |                    | "    | 62.5 |   | 101  | 84-114 |  |  |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

| Matrix Spike Dup (B7F2207-MSD1)  |      | Source: Y706277-01 |      |      | Prepared: 06/22/2017 Analyzed: 06/22/2017 |      |        |      |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| Benzene                          | 55.4 | 1.00               | ug/L | 50.0 | 0.490                                     | 110  | 74-130 | 5.45 | 20 |  |
| Toluene                          | 55.0 | 1.00               | "    | 50.0 | ND  | 110  | 73-131 | 4.23 | 20 |  |
| Ethylbenzene                     | 56.8 | 1.00               | "    | 50.0 | ND  | 114  | 76-132 | 2.82 | 20 |  |
| m,p-Xylene                       | 109  | 2.00               | "    | 100  | ND  | 109  | 69-139 | 3.15 | 20 |  |
| o-Xylene                         | 52.3 | 1.00               | "    | 50.0 | ND  | 105  | 74-131 | 3.56 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 57   |                    | "    | 62.5 |   | 90.4 | 84-121 |      |    |  |
| Surrogate: Toluene-d8            | 63   |                    | "    | 62.5 |   | 100  | 85-115 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 61   |                    | "    | 62.5 |   | 97.7 | 84-114 |      |    |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7F2207 - EPA 5030B (Water)**

| Matrix Spike Dup (B7F2207-MSD2)  |      | Source: Y706279-04 |      |      | Prepared: 06/22/2017 Analyzed: 06/22/2017 |      |        |      |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| Benzene                          | 54.7 | 1.00               | ug/L | 50.0 | ND  | 109  | 74-130 | 14.5 | 20 |  |
| Toluene                          | 56.1 | 1.00               | "    | 50.0 | ND  | 112  | 73-131 | 15.2 | 20 |  |
| Ethylbenzene                     | 58.9 | 1.00               | "    | 50.0 | ND  | 118  | 76-132 | 19.2 | 20 |  |
| m,p-Xylene                       | 117  | 2.00               | "    | 100  | ND  | 117  | 69-139 | 17.0 | 20 |  |
| o-Xylene                         | 56.1 | 1.00               | "    | 50.0 | ND  | 112  | 74-131 | 12.9 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 57   |                    | "    | 62.5 |   | 91.2 | 84-121 |      |    |  |
| Surrogate: Toluene-d8            | 62   |                    | "    | 62.5 |   | 99.4 | 85-115 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 63   |                    | "    | 62.5 |   | 100  | 84-114 |      |    |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jen Pellegrini For Noelle Doyle Mathis, President



September 12, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Anderson 12-27/Bohlender 1-27**    **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. September 05, 2017. This project is associated with Origins project number Y709042-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**CROSS REFERENCE REPORT**

| Sample ID | Laboratory ID | Matrix | Date Sampled            | Date Received    |
|-----------|---------------|--------|-------------------------|------------------|
| MW05R2    | Y709042-01    | Water  | September 5, 2017 13:30 | 09/05/2017 17:20 |
| MW08R2    | Y709042-02    | Water  | September 5, 2017 13:35 | 09/05/2017 17:20 |
| MW09R     | Y709042-03    | Water  | September 5, 2017 13:40 | 09/05/2017 17:20 |
| MW10R     | Y709042-04    | Water  | September 5, 2017 13:45 | 09/05/2017 17:20 |
| MW11R     | Y709042-05    | Water  | September 5, 2017 13:50 | 09/05/2017 17:20 |
| MW12R2    | Y709042-06    | Water  | September 5, 2017 13:55 | 09/05/2017 17:20 |
| MW13      | Y709042-07    | Water  | September 5, 2017 14:00 | 09/05/2017 17:20 |
| MW14      | Y709042-08    | Water  | September 5, 2017 14:05 | 09/05/2017 17:20 |
| MW15      | Y709042-09    | Water  | September 5, 2017 14:10 | 09/05/2017 17:20 |
| MW16      | Y709042-10    | Water  | September 5, 2017 14:15 | 09/05/2017 17:20 |
| MW17      | Y709042-11    | Water  | September 5, 2017 14:20 | 09/05/2017 17:20 |
| MW18      | Y709042-12    | Water  | September 5, 2017 14:25 | 09/05/2017 17:20 |
| MW19      | Y709042-13    | Water  | September 5, 2017 14:30 | 09/05/2017 17:20 |
| MW20      | Y709042-14    | Water  | September 5, 2017 14:35 | 09/05/2017 17:20 |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled            | Date Received    |
|-----------|---------------|--------|-------------------------|------------------|
| MW21      | Y709042-15    | Water  | September 5, 2017 14:40 | 09/05/2017 17:20 |
| MW22      | Y709042-16    | Water  | September 5, 2017 14:45 | 09/05/2017 17:20 |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/VO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

7109042

1/2

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

| Client: LT Environmental, Inc.               |                       | Project Manager: Brian Sulzberger    |             |             |            |                          |     |                   |
|--|-----------------------|--------------------------------------|-------------|-------------|------------|--------------------------|-----|-------------------|
| Project: KMG - Anderson 12/27/Bohlender 1-27 |                       | Project Number: KMG05162WO #88438530 |             |             |            |                          |     |                   |
| Number                                       | Sample Identification | Matrix                               | Sample Date | Sample Time | Sampled By | Container                | Qty | Analyses          |
| 01-001                                       | MW03R                 | Water                                | 9/5/17      |             |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 02-001                                       | MW05R2                | Water                                |             | 1330        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 03-001                                       | MW08R2                | Water                                |             | 1335        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 04-001                                       | MW09R                 | Water                                |             | 1340        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 05-001                                       | MW10R                 | Water                                |             | 1345        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 06-001                                       | MW11R                 | Water                                |             | 1350        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 07-001                                       | MW12R2                | Water                                |             | 1355        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 08-001                                       | MW13                  | Water                                |             | 1400        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 09-001                                       | MW14                  | Water                                |             | 1405        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 10-001                                       | MW15                  | Water                                |             | 1410        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |
| 11-001                                       | MW16                  | Water                                |             | 1415        |            | 40mL Amber VOA Vial - HC | 3   | BTEX by EPA 8260C |

Temperature on Receipt: 15.1  
Turn Around Time:  
Same Day: ☐ 24-hr: ☐ 72-hr: ☒ Standard: ☐ 48-hr: ☐

Relinquished By: \_\_\_\_\_ Date / Time: \_\_\_\_\_  
Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Relinquished By: *[Signature]* 9/5/17 1710  
Date / Time: 9-5-17 1720  
Received By: *[Signature]* \_\_\_\_\_ Date / Time: \_\_\_\_\_

Origins Laboratory, Inc.

*Jefe Pellegrini*

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

709042

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

|        |      |       |        |      |                          |   |                      |
|--------|------|-------|--------|------|--------------------------|---|----------------------|
| 12-001 | MW17 | Water | 9/5/17 | 1430 | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA<br>8260C |
| 13-001 | MW18 | Water |        | 1425 | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA<br>8260C |
| 14-001 | MW19 | Water |        | 1430 | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA<br>8260C |
| 15-001 | MW20 | Water |        | 1435 | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA<br>8260C |
| 16-001 | MW21 | Water |        | 1440 | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA<br>8260C |
| 17-001 | MW22 | Water | ✓      | 1445 | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA<br>8260C |

Relinquished By [Signature] Date / Time 9/5/17 1720

Received By [Signature] Date / Time 9-5-17 1720

Temperature on Receipt: 15.1

Turn Around Time: ☐ Same Day ☐ 72-hr ☒ Standard ☐ 24-hr ☐ 48-hr

Relinquished By \_\_\_\_\_ Date / Time \_\_\_\_\_

Received By \_\_\_\_\_ Date / Time \_\_\_\_\_

Origins Laboratory, Inc.

*Jefe Pellegrini*

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: 4709042

Client: LTE

Client Project ID: KMG-Anderson/Bohlender

Checklist Completed by: Dan Lee

Shipped Via: 4D  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 9-6-17 1059

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: (Describe)

Cooler Number/Temperature: 1 / 15.1 °C 1 / 1 °C 1 / 1 °C 1 / 1 °C

Thermometer ID: TOB3

| Requirement Description   | Yes                                 | No                                  | N/A | Comments (if any)   |
|---|-------------------------------------|-------------------------------------|-----|---------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?   |                                     | <input checked="" type="checkbox"/> |     | samples were dry    |
| Is there ice present (document if blue ice is used)   | <input checked="" type="checkbox"/> |                                     |     |                     |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)   |                                     | <input checked="" type="checkbox"/> |     |                     |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)  |                                     | <input checked="" type="checkbox"/> |     |                     |
| Were all samples received intact <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                     |
| Was adequate sample volume provided <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |                                     |     |                     |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?  |                                     | <input checked="" type="checkbox"/> |     |                     |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |                                     |     |                     |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                     |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                     |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |     |                     |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  | <input checked="" type="checkbox"/> |                                     |     | 3 of 3 vials no air |
| Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH) |                                     | <input checked="" type="checkbox"/> |     |                     |
| Additional Comments (if any):   |                                     |                                     |     |                     |

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note date, time, and person contacted as well as the corrective action to be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Dan Lee

9-6-17 1059  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jen Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2

9/5/2017 1:30:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-01 (Water)

BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |   |   |   |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 97.1 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 98.4 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2

9/5/2017 1:35:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-02 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 100 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 100 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW09R

9/5/2017 1:40:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y709042-03 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 100 %  | 85-115 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 98.4 % | 84-114 |  |  | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**MW10R**  
**9/5/2017 1:45:00PM**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y709042-04 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.0 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.9 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**MW11R**  
**9/5/2017 1:50:00PM**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y709042-05 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.6 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 97.3 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW12R2

9/5/2017 1:55:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y709042-06 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.8 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.3 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW13  
9/5/2017 2:00:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-07 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 97.7 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.3 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW14  
9/5/2017 2:05:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-08 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7I0802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.4 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 96.9 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW15  
9/5/2017 2:10:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-09 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 105 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.1 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 %  | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**MW16**  
**9/5/2017 2:15:00PM**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y709042-10 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.3 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 %  | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW17  
9/5/2017 2:20:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-11 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.7 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 97.5 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW18  
9/5/2017 2:25:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-12 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.3 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 97.2 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW19  
9/5/2017 2:30:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-13 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 100 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW20  
9/5/2017 2:35:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-14 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 96.4 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 96.5 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW21  
9/5/2017 2:40:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-15 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 100 %  | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.0 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW22  
9/5/2017 2:45:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y709042-16 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B710802 | 09/08/2017 | 09/09/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.2 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 99.1 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B710802 - EPA 5030B (Water)**

**Blank (B710802-BLK1)**

Prepared: 09/08/2017 Analyzed: 09/08/2017

|                                  |    |      |      |      |      |  |        |  |  |   |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| Benzene                          | ND | 1.00 | ug/L |      |      |  |        |  |  | U |
| Toluene                          | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Ethylbenzene                     | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Xylenes, total                   | ND | 1.00 | "    |      |      |  |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 64 |      | "    | 62.5 | 102  |  | 84-121 |  |  |   |
| Surrogate: Toluene-d8            | 62 |      | "    | 62.5 | 99.8 |  | 85-115 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 61 |      | "    | 62.5 | 98.3 |  | 84-114 |  |  |   |

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Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte                                  | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B710802 - EPA 5030B (Water)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B710802-BLK2)</b>              |        |                 |       |             | Prepared: 09/08/2017 Analyzed: 09/08/2017 |      |             |     |           |       |
| Benzene                                  | ND     | 1.00            | ug/L  |             |   |      |             |     |           | U     |
| Toluene                                  | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                             | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Xylenes, total                           | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4         | 65     |                 | "     | 62.5        |   | 104  | 84-121      |     |           |       |
| Surrogate: Toluene-d8                    | 61     |                 | "     | 62.5        |   | 97.9 | 85-115      |     |           |       |
| Surrogate: 4-Bromofluorobenzene          | 62     |                 | "     | 62.5        |   | 98.6 | 84-114      |     |           |       |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B710802 - EPA 5030B (Water)**

**LCS (B710802-BS1)**

Prepared: 09/08/2017 Analyzed: 09/08/2017

|                                  |      |      |      |      |  |      |          |  |  |  |
|----------------------------------|------|------|------|------|--|------|----------|--|--|--|
| Benzene                          | 49.4 | 1.00 | ug/L | 50.0 |  | 98.7 | 73.3-129 |  |  |  |
| Toluene                          | 48.9 | 1.00 | "    | 50.0 |  | 97.9 | 76.2-123 |  |  |  |
| Ethylbenzene                     | 50.2 | 1.00 | "    | 50.0 |  | 100  | 73.6-130 |  |  |  |
| m,p-Xylene                       | 100  | 2.00 | "    | 100  |  | 100  | 76.1-126 |  |  |  |
| o-Xylene                         | 50.5 | 1.00 | "    | 50.0 |  | 101  | 76.6-124 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 61   |      | "    | 62.5 |  | 98.0 | 84-121   |  |  |  |
| Surrogate: Toluene-d8            | 62   |      | "    | 62.5 |  | 98.5 | 85-115   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62   |      | "    | 62.5 |  | 99.4 | 84-114   |  |  |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B710802 - EPA 5030B (Water)**

**LCS (B710802-BS2)**

Prepared: 09/08/2017 Analyzed: 09/08/2017

|                                  |      |      |      |      |  |      |          |  |  |  |
|----------------------------------|------|------|------|------|--|------|----------|--|--|--|
| Benzene                          | 48.0 | 1.00 | ug/L | 50.0 |  | 96.0 | 73.3-129 |  |  |  |
| Toluene                          | 47.3 | 1.00 | "    | 50.0 |  | 94.6 | 76.2-123 |  |  |  |
| Ethylbenzene                     | 48.4 | 1.00 | "    | 50.0 |  | 96.9 | 73.6-130 |  |  |  |
| m,p-Xylene                       | 96.6 | 2.00 | "    | 100  |  | 96.6 | 76.1-126 |  |  |  |
| o-Xylene                         | 50.1 | 1.00 | "    | 50.0 |  | 100  | 76.6-124 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 62   |      | "    | 62.5 |  | 99.0 | 84-121   |  |  |  |
| Surrogate: Toluene-d8            | 62   |      | "    | 62.5 |  | 99.5 | 85-115   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 60   |      | "    | 62.5 |  | 96.5 | 84-114   |  |  |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7I0802 - EPA 5030B (Water)**

| Matrix Spike (B7I0802-MS1)       |      | Source: Y709042-01 |      |      | Prepared: 09/08/2017 Analyzed: 09/08/2017 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene                          | 48.1 | 1.00               | ug/L | 50.0 | ND  | 96.2 | 74-130 |  |  |  |
| Toluene                          | 46.8 | 1.00               | "    | 50.0 | ND  | 93.7 | 73-131 |  |  |  |
| Ethylbenzene                     | 48.1 | 1.00               | "    | 50.0 | ND  | 96.2 | 76-132 |  |  |  |
| m,p-Xylene                       | 95.7 | 2.00               | "    | 100  | ND  | 95.7 | 69-139 |  |  |  |
| o-Xylene                         | 49.7 | 1.00               | "    | 50.0 | ND  | 99.3 | 74-131 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 62   |                    | "    | 62.5 |   | 99.0 | 84-121 |  |  |  |
| Surrogate: Toluene-d8            | 62   |                    | "    | 62.5 |   | 99.7 | 85-115 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61   |                    | "    | 62.5 |   | 97.0 | 84-114 |  |  |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7I0802 - EPA 5030B (Water)**

| Matrix Spike (B7I0802-MS2)       |      | Source: Y709042-02 |      |      | Prepared: 09/08/2017 Analyzed: 09/08/2017 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene                          | 44.7 | 1.00               | ug/L | 50.0 | ND  | 89.4 | 74-130 |  |  |  |
| Toluene                          | 43.1 | 1.00               | "    | 50.0 | ND  | 86.2 | 73-131 |  |  |  |
| Ethylbenzene                     | 43.3 | 1.00               | "    | 50.0 | ND  | 86.6 | 76-132 |  |  |  |
| m,p-Xylene                       | 86.6 | 2.00               | "    | 100  | ND  | 86.6 | 69-139 |  |  |  |
| o-Xylene                         | 46.6 | 1.00               | "    | 50.0 | ND  | 93.2 | 74-131 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 62   |                    | "    | 62.5 |   | 98.6 | 84-121 |  |  |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 97.9 | 85-115 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61   |                    | "    | 62.5 |   | 97.6 | 84-114 |  |  |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7I0802 - EPA 5030B (Water)**

| Matrix Spike Dup (B7I0802-MSD1)  |      | Source: Y709042-01 |      |      | Prepared: 09/08/2017 Analyzed: 09/08/2017 |      |        |      |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| Benzene                          | 44.5 | 1.00               | ug/L | 50.0 | ND  | 89.1 | 74-130 | 7.75 | 20 |  |
| Toluene                          | 44.4 | 1.00               | "    | 50.0 | ND  | 88.7 | 73-131 | 5.44 | 20 |  |
| Ethylbenzene                     | 44.2 | 1.00               | "    | 50.0 | ND  | 88.4 | 76-132 | 8.39 | 20 |  |
| m,p-Xylene                       | 89.1 | 2.00               | "    | 100  | ND  | 89.1 | 69-139 | 7.15 | 20 |  |
| o-Xylene                         | 46.7 | 1.00               | "    | 50.0 | ND  | 93.5 | 74-131 | 6.08 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 61   |                    | "    | 62.5 |   | 98.1 | 84-121 |      |    |  |
| Surrogate: Toluene-d8            | 62   |                    | "    | 62.5 |   | 99.1 | 85-115 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 61   |                    | "    | 62.5 |   | 98.0 | 84-114 |      |    |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B710802 - EPA 5030B (Water)**

| Matrix Spike Dup (B710802-MSD2)  |      | Source: Y709042-02 |      |      | Prepared: 09/08/2017 Analyzed: 09/08/2017 |      |        |       |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|-------|----|--|
| Benzene                          | 44.6 | 1.00               | ug/L | 50.0 | ND  | 89.2 | 74-130 | 0.202 | 20 |  |
| Toluene                          | 42.6 | 1.00               | "    | 50.0 | ND  | 85.2 | 73-131 | 1.17  | 20 |  |
| Ethylbenzene                     | 42.3 | 1.00               | "    | 50.0 | ND  | 84.7 | 76-132 | 2.24  | 20 |  |
| m,p-Xylene                       | 86.2 | 2.00               | "    | 100  | ND  | 86.2 | 69-139 | 0.509 | 20 |  |
| o-Xylene                         | 45.9 | 1.00               | "    | 50.0 | ND  | 91.7 | 74-131 | 1.56  | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 61   |                    | "    | 62.5 |   | 97.3 | 84-121 |       |    |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 97.4 | 85-115 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 61   |                    | "    | 62.5 |   | 98.1 | 84-114 |       |    |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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December 08, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Anderson 12-27/Bohlender 1-27**    **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. December 04, 2017. This project is associated with Origins project number Y712042-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|-----------|---------------|--------|------------------------|------------------|
| MW05R2    | Y712042-01    | Water  | December 4, 2017 13:00 | 12/04/2017 16:56 |
| MW08R2    | Y712042-02    | Water  | December 4, 2017 13:05 | 12/04/2017 16:56 |
| MW09R     | Y712042-03    | Water  | December 4, 2017 13:10 | 12/04/2017 16:56 |
| MW10R     | Y712042-04    | Water  | December 4, 2017 13:15 | 12/04/2017 16:56 |
| MW11R     | Y712042-05    | Water  | December 4, 2017 13:20 | 12/04/2017 16:56 |
| MW12R2    | Y712042-06    | Water  | December 4, 2017 13:25 | 12/04/2017 16:56 |
| MW13      | Y712042-07    | Water  | December 4, 2017 13:30 | 12/04/2017 16:56 |
| MW14      | Y712042-08    | Water  | December 4, 2017 13:35 | 12/04/2017 16:56 |
| MW15      | Y712042-09    | Water  | December 4, 2017 13:40 | 12/04/2017 16:56 |
| MW16      | Y712042-10    | Water  | December 4, 2017 13:45 | 12/04/2017 16:56 |
| MW17      | Y712042-11    | Water  | December 4, 2017 13:50 | 12/04/2017 16:56 |
| MW18      | Y712042-12    | Water  | December 4, 2017 13:55 | 12/04/2017 16:56 |
| MW19      | Y712042-13    | Water  | December 4, 2017 14:00 | 12/04/2017 16:56 |
| MW20      | Y712042-14    | Water  | December 4, 2017 14:05 | 12/04/2017 16:56 |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|-----------|---------------|--------|------------------------|------------------|
| MW21      | Y712042-15    | Water  | December 4, 2017 14:10 | 12/04/2017 16:56 |
| MW22      | Y712042-16    | Water  | December 4, 2017 14:15 | 12/04/2017 16:56 |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

Y712042

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

| Client: LT Environmental, Inc.               |                       | Project Manager: Brian Sulzberger |             | Project Number: KMG05162/WO #88438530 |     |
|--|-----------------------|-----------------------------------|-------------|---------------------------------------|-----|
| Project: KMG - Anderson 12-27/Bohlender 1-27 |                       | Sample Date                       |             | Sampled By                            |     |
| Number                                       | Sample Identification | Matrix                            | Sample Time | Container                             | Qty |
| 01-001                                       | MW03R                 | Water                             | 12/4/17     | 40mL Amber Vial - HC                  | 3   |
| 02-001                                       | MW05R2                | Water                             | 1300        | 40mL Amber VOA Vial - HC              | 3   |
| 03-001                                       | MW06R2                | Water                             | 1305        | 40mL Amber VOA Vial - HC              | 3   |
| 04-001                                       | MW09R                 | Water                             | 1310        | 40mL Amber VOA Vial - HC              | 3   |
| 05-001                                       | MW10R                 | Water                             | 1315        | 40mL Amber VOA Vial - HC              | 3   |
| 06-001                                       | MW11R                 | Water                             | 1320        | 40mL Amber VOA Vial - HC              | 3   |
| 07-001                                       | MW12R2                | Water                             | 1325        | 40mL Amber VOA Vial - HC              | 3   |
| 08-001                                       | MW13                  | Water                             | 1330        | 40mL Amber VOA Vial - HC              | 3   |
| 09-001                                       | MW14                  | Water                             | 1335        | 40mL Amber VOA Vial - HC              | 3   |
| 10-001                                       | MW15                  | Water                             | 1340        | 40mL Amber VOA Vial - HC              | 3   |
| 11-001                                       | MW16                  | Water                             | 1345        | 40mL Amber VOA Vial - HC              | 3   |

Temperature on Receipt: 4.0  
Turn Around Time:  
Same Day: ☐ 72-hr: ☒  
24-hr: ☐ Standard: ☐  
48-hr: ☐

Relinquished By: [Signature] Date / Time: 12/4/17 1651  
Received By: [Signature] Date / Time: 12-4-17 1656

Origins Laboratory, Inc.

*Jefe Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**ORIGINS**  
LABORATORY, INC

712042

1725 Elk Place, Denver, CO 80211  
Laboratory # - 303.433.1322

|        |      |       |         |      |    |                         |   |                      |
|--------|------|-------|---------|------|----|-------------------------|---|----------------------|
| 12-001 | MW17 | Water | 12/4/17 | 1350 | FD | 40mL Amber VOA Val - HC | 3 | BTEX by EPA<br>8260C |
| 13-001 | MW18 | Water |         | 1355 |    | 40mL Amber VOA Val - HC | 3 | BTEX by EPA<br>8260C |
| 14-001 | MW19 | Water |         | 1400 |    | 40mL Amber VOA Val - HC | 3 | BTEX by EPA<br>8260C |
| 15-001 | MW20 | Water |         | 1405 |    | 40mL Amber VOA Val - HC | 3 | BTEX by EPA<br>8260C |
| 16-001 | MW21 | Water |         | 1410 |    | 40mL Amber VOA Val - HC | 3 | BTEX by EPA<br>8260C |
| 17-001 | MW22 | Water |         | 1415 |    | 40mL Amber VOA Val - HC | 3 | BTEX by EPA<br>8260C |

Temperature on Receipt:  
Turn Around Time:  
Same Day ☐ 72-hr ☒  
24-hr ☐ Standard ☐  
48-hr ☐

Relinquished By \_\_\_\_\_ Date / Time \_\_\_\_\_  
Received By \_\_\_\_\_ Date / Time \_\_\_\_\_

Relinquished By *[Signature]* 12/4/17 1656  
Received By *[Signature]* 12/4/17 1651

Origins Laboratory, Inc.

*Jefe Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory F-012207-01-R1  
Effective Date: 01/09/12

### Sample Receipt Checklist

Origins Work Order: 4712042 Client: LTE  
Client Project ID: KMG-Anderson

Checklist Completed by: Don Lu Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 12-5-12 Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: NA (Describe)

Cooler Number/Temperature: 1 / 4.0 °C /        °C /        °C /        °C

Thermometer ID: T023

| Requirement Description  | Yes                                 | No                                  | N/A                      | Comments (if any) |
|--|-------------------------------------|-------------------------------------|--------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Is there ice present (document if blue ice is used)  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| Were all samples received intact <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Was adequate sample volume provided <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with Na <sub>2</sub> CO <sub>3</sub> +NaOH, ZnAc+NaOH) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| Additional Comments (if any):  |                                     |                                     |                          |                   |

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Don Lu

Date/Time Reviewed 12-5-12

Origins Laboratory, Inc.

*Jen Pellegrini*

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2

12/4/2017 1:00:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-01 (Water)

BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 84-121 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 105 % | 85-115 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 107 % | 84-114 |  |  | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2

12/4/2017 1:05:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-02 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |   |   |   |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 104 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 106 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

## MW09R

12/4/2017 1:10:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

## Origins Laboratory, Inc. Y712042-03 (Water)

### BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 84-121 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 103 % | 85-115 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 106 % | 84-114 |  |  | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**MW10R**  
**12/4/2017 1:15:00PM**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y712042-04 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 109 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**MW11R**  
**12/4/2017 1:20:00PM**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y712042-05 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 108 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW12R2  
12/4/2017 1:25:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-06 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

105 % 84-121  
103 % 85-115  
106 % 84-114

" " "  
" " "  
" " "

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**MW13**  
**12/4/2017 1:30:00PM**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y712042-07 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 107 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW14  
12/4/2017 1:35:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-08 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 84-121 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 106 % | 84-114 |  |  | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW15  
12/4/2017 1:40:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-09 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 105 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 107 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW16  
12/4/2017 1:45:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-10 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 107 % | 84-114 |  |  | " | " | " |  |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW17  
12/4/2017 1:50:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y712042-11 (Water)**

**BTEX by EPA 8260C**

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |   |   |   |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 104 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 110 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW18  
12/4/2017 1:55:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-12 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |   |   |   |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 84-121 | " | " | " |
| Surrogate: Toluene-d8            | 105 % | 85-115 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 108 % | 84-114 | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW19  
12/4/2017 2:00:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-13 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 109 % | 84-114 |  |  | " | " | " |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW20  
12/4/2017 2:05:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-14 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/06/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 106 % | 84-114 |  |  | " | " | " |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW21  
12/4/2017 2:10:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-15 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/07/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 105 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 109 % | 84-114 |  |  | " | " | " |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

MW22  
12/4/2017 2:15:00PM

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.  
Y712042-16 (Water)

## BTEX by EPA 8260C

|                |    |      |      |   |         |            |            |   |
|----------------|----|------|------|---|---------|------------|------------|---|
| Benzene        | ND | 1.00 | ug/L | 1 | B7L0610 | 12/06/2017 | 12/07/2017 | U |
| Toluene        | ND | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total | ND | 1.00 | "    | " | "       | "          | "          | U |

|                                  |       |        |  |  |   |   |   |  |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 84-121 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 104 % | 85-115 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 107 % | 84-114 |  |  | " | " | " |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte                                  | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7L0610 - EPA 5030B (Water)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7L0610-BLK1)</b>              |        |                 |       |             | Prepared: 12/06/2017 Analyzed: 12/06/2017 |      |             |     |           |       |
| Benzene                                  | ND     | 1.00            | ug/L  |             |   |      |             |     |           | U     |
| Toluene                                  | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                             | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Xylenes, total                           | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4         | 66     |                 | "     | 62.5        | 106                                       |      | 84-121      |     |           |       |
| Surrogate: Toluene-d8                    | 64     |                 | "     | 62.5        | 102                                       |      | 85-115      |     |           |       |
| Surrogate: 4-Bromofluorobenzene          | 67     |                 | "     | 62.5        | 108                                       |      | 84-114      |     |           |       |

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4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7L0610 - EPA 5030B (Water)**

**LCS (B7L0610-BS1)**

Prepared: 12/06/2017 Analyzed: 12/06/2017

|                                  |      |      |      |      |  |      |          |  |  |  |
|----------------------------------|------|------|------|------|--|------|----------|--|--|--|
| Benzene                          | 43.8 | 1.00 | ug/L | 50.0 |  | 87.5 | 73.3-129 |  |  |  |
| Toluene                          | 44.4 | 1.00 | "    | 50.0 |  | 88.8 | 76.2-123 |  |  |  |
| Ethylbenzene                     | 47.0 | 1.00 | "    | 50.0 |  | 93.9 | 73.6-130 |  |  |  |
| m,p-Xylene                       | 95.6 | 2.00 | "    | 100  |  | 95.6 | 76.1-126 |  |  |  |
| o-Xylene                         | 48.7 | 1.00 | "    | 50.0 |  | 97.4 | 76.6-124 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 70   |      | "    | 62.5 |  | 111  | 84-121   |  |  |  |
| Surrogate: Toluene-d8            | 64   |      | "    | 62.5 |  | 103  | 85-115   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 66   |      | "    | 62.5 |  | 105  | 84-114   |  |  |  |

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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7L0610 - EPA 5030B (Water)**

| Matrix Spike (B7L0610-MS1)       |      | Source: Y712042-01 |      |      | Prepared: 12/06/2017 Analyzed: 12/06/2017 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene                          | 45.5 | 1.00               | ug/L | 50.0 | 0.170                                     | 90.7 | 74-130 |  |  |  |
| Toluene                          | 45.2 | 1.00               | "    | 50.0 | ND  | 90.4 | 73-131 |  |  |  |
| Ethylbenzene                     | 49.1 | 1.00               | "    | 50.0 | 0.150                                     | 97.9 | 76-132 |  |  |  |
| m,p-Xylene                       | 98.3 | 2.00               | "    | 100  | ND  | 98.3 | 69-139 |  |  |  |
| o-Xylene                         | 50.4 | 1.00               | "    | 50.0 | ND  | 101  | 74-131 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 71   |                    | "    | 62.5 |   | 114  | 84-121 |  |  |  |
| Surrogate: Toluene-d8            | 65   |                    | "    | 62.5 |   | 104  | 85-115 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 68   |                    | "    | 62.5 |   | 108  | 84-114 |  |  |  |

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4600 West 60th Avenue  
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Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B7L0610 - EPA 5030B (Water)**

| Matrix Spike Dup (B7L0610-MSD1)  |      | Source: Y712042-01 |      |      | Prepared: 12/06/2017 Analyzed: 12/06/2017 |      |        |       |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|-------|----|--|
| Benzene                          | 47.2 | 1.00               | ug/L | 50.0 | 0.170                                     | 94.1 | 74-130 | 3.66  | 20 |  |
| Toluene                          | 47.1 | 1.00               | "    | 50.0 | ND  | 94.2 | 73-131 | 4.14  | 20 |  |
| Ethylbenzene                     | 50.0 | 1.00               | "    | 50.0 | 0.150                                     | 99.7 | 76-132 | 1.82  | 20 |  |
| m,p-Xylene                       | 100  | 2.00               | "    | 100  | ND  | 100  | 69-139 | 1.75  | 20 |  |
| o-Xylene                         | 50.9 | 1.00               | "    | 50.0 | ND  | 102  | 74-131 | 0.947 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 64   |                    | "    | 62.5 |   | 102  | 84-121 |       |    |  |
| Surrogate: Toluene-d8            | 65   |                    | "    | 62.5 |   | 105  | 85-115 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 69   |                    | "    | 62.5 |   | 110  | 84-114 |       |    |  |

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4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: KMG05162/WO #88438530  
Project: KMG - Anderson 12-27/Bohlender 1-27

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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