WATER RESOURCES REPORT —RETREAT AT TIMBERRIDGE FILING 3

TOPICAL REPORT RSI-3232 A

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PREPARED FOR

Falcon Area Water and Wastewater Authority

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Project Number W0242.22001











EXECUTIVE SUMMARY

This report is a submittal for Retreat at Timberridge Filing 3. The land is to be provided central water and sewer services through the Falcon Area Water and Wastewater Authority (FAWWA), which will become the overall service entity for, not only the Retreat but also Sterling Ranch, and the future Ranch.

It is expected that an urban residential home in Sterling Ranch will require an average of 0.353 annual acre-feet, which is the adopted user characteristic for FAWWA. This is consistent with historic needs for nearby developments. Note that for the very small high-density lots, FAWWA has adopted an SFE equivalency ratio to account for substantially reduced water needs, although this is partially offset by estimation of common area irrigation needs.

Retreat at Timberridge Filing 3 includes 33 lots residential lots. Of these, 30 will be served by central water. The resulting water demand is 10.59 acre-feet. This allotment is wholly contained in previously committed water through the Preliminary Plan for the overall Retreat at Timberridge.

There are three lots 1, 2, and 3 that will be provided water through single residential wells. These wells are facilitated by Augmentation plans, 18CW 3003 and 16 CW 3035, which provide for single family wells including Lots 1, 2, and 3 of Filing 3. The 3 single family wells will require 1.059 annual acre-feet.

Appendix F is an accounting of active water commitments, which total 852.62 acre-feet including Retreat at Timberridge Filing 3 plus all subdivisions submitted prior to July 1. With the recently completed case 02CW3059, which adds certain on-site non-tributary water and also augments on-site not non-tributary water, the current available water supply for FAWWA or SRMD is now 697.39 acrefeet 300 year.

This leaves a net deficit of currently available water for the remainder of 155.23 AF $_{300\,\mathrm{year}}$. However, FAWWA has an additional contracted for supply of 576.95 AF $_{300\,\mathrm{year}}$ at Bar-X and also 391.33 AF $_{300\,\mathrm{year}}$ at McCune which will be more than enough to meet the demands. Contingent supplies are noted in Table 3.

By closing on additional purchases, which are under contract, there will be more than sufficient water supply to meet the needs of Retreat at Timberridge Filing 3 on the 300-year basis.







TABLE OF CONTENTS

| 1.0 | | ODUCTION | |
|------|--------|--|-----|
| | 1.1 | NEW DEVELOPMENT DESCRIPTION | .3 |
| 2.0 | | JECTION OF WATER NEEDS | |
| | 2.1 | ANALYSIS OF WATER NEEDS | 3 |
| 3.0 | | ER RIGHTS AND SYSTEM FACILITIES | |
| | | WATER RIGHTS | |
| | 3.2 | ADEQUACY OF WATER RIGHTS CURRENT SUPPLY | .8 |
| | 3.3 | MASTER PLANNING AND LONG-TERM AND FUTURE SOURCES OF SUPPLY | |
| | 3.4 | SYSTEM INTERCONNECTS | |
| | 3.5 | SOURCE OF PHYSICAL SUPPLY | .10 |
| | 3.6 | WATER QUALITY AND TREATMENT | .10 |
| | 3.7 | WATER STORAGE, DISTRIBUTION, AND TRANSMISSION LINES | |
| | 3.8 | PUMPING FOR SERVICE PRESSURES | 11 |
| APP | ENDIC | EES | |
| APP | ENDIX | A – WATER SERVICE AREAS | |
| 4 DD | CNIDIV | A DETECT AT TIMPEDDINGS SHIPE OF | |

APPENDIX B - RETREAT AT TIMBERRIDGE FILING 3

APPENDIX C - WATER RIGHTS DECREES

17CW3002

86 CW 18

18 CW 19

20CW 3059

APPENDIX D - WELL PERMITS

77785-F

77786-F

APPENDIX E - WATER QUALITY FROM STERLING EXISTING WELLS

APPENDIX F - FAWA WATER SUPPLY VS CURRENT WATER COMMITMENTS

APPENDIX G - WATER SUPPLY SUMMARY FORM





1.0 INTRODUCTION

The purpose of this study is to provide a preliminary outline of the water resources and wastewater needs that would be necessary for the Retreat at Timberridge Filing 3 development.

1.1 NEW DEVELOPMENT DESCRIPTION

The Homestead North at Sterling Ranch Filing 3 development is located east of Vollmer Road and north of Woodmen Road..

Appendix A contains the Overall Service Area Map for FAWWA, which includes SRMD.

Appendix B-1 contains the proposed Retreat at Timberridge Filing 3

2.0 PROJECTION OF WATER NEEDS

2.1 ANALYSIS OF WATER NEEDS

It is expected that the residential lots on central water will be developed with single-family housing with anticipated turf grass landscaping.

For the last five years, there has been a trend in land use that provides for much smaller lots and much denser development in certain areas. Lots smaller than 7,000 square feet are anticipated in certain areas. This is resulting in much lower water needs for these types of developments. The standard SFE adopted in Sterling Ranch has been 0.353 annual acre-feet. However, this is for the formerly typical household anticipating 1500 square feet or more of landscaping. In order to adjust for such increases in density, we are adopting a scaled down equivalency to meet the changes in lot sizes. For instance, lot areas less than 3500 sf have reduced water use that roughly is equivalent to apartments or townhomes where water use is indoor only.

In order to address this trend towards high-density development, we have established a SFE equivalency factor scale as follows for these smaller lot sizes;

Effective Annual Lot Size SFE Ratio Demand Lots < 2000 SF 0.65 0.23 0.75 0.265 Lots < 3500 SF Lots < 7000 SF 0.90 0.318 Lots > 7000 SF 1.0 0.353

Table 1. SFE Equivalency for High Density Lots







Retreat at Timberridge Filing 3 has common areas or tracts within which active irrigation is expected.

Using the above criteria, there are 30 lots in the standard SFE category to be served by central water. The expected water demands are shown in Table 2 following:

Table 2. Projected Water Demands for Retreat at Timberridge Filing 3

| # of Units | Land Use | Water Use Per Unit (AF/Unit) | Annual Demand (AF) | Average Daily Flow (ADF) (GPD) | Maximum Daily Flow (MDF) (@2.45 x ADF) (GPD) | Peak-Hour Flow (@ 1.5 x MDF) (GPM) |
|------------|----------------------------|---------------------------------|-----------------------|--------------------------------------|--|---|
| 0 | Residential < 2000 SF | 0.23 | 0 | 0 | 0 | 0 |
| 0 | Residential < 3500 SF | 0.265 | 0 | 0 | 0 | 0 |
| | Residential < 7000 SF | 0.318 | 0 | 0 | 0 | 0 |
| 30 | Residential > 7000 SF | 0.353 | 10.59 | 9,454 | 23,162 | 24 |
| 0 | Acres-Active Irrigation | 2.5 | 0 | 0 | 0 | 0 |
| Total | | | 10.59 | 9,454 | 23,162 | 24 |

The total annual demand of Retreat at Timberridge Filing 3 is 10.59 AF.





3.0 WATER RIGHTS AND SYSTEM FACILITIES

3.1 WATER RIGHTS

Water rights adjudications have been decreed by the State of Colorado, Water Division 2 District Court, Water Division 1 District Court, and the Colorado Groundwater Commission. The comprehensive rights for the FAWWA service include both decrees and determinations. Local groundwater rights are associated with the service area components, Sterling, and the Retreat. Each of these sites has existing decrees and/or determinations outlining the rights associated with the development lands.

The most recent water rights added to the Sterling Ranch Inventory is case 20 CW 3059, included in Appendix C. This case adjudicates certain groundwater on an adjacent 97-acre parcel known as the Schmidt property, and also provides for the augmentation of Denver and Arapahoe not non-tributary water on the Schmidt and Sterling Ranch properties. This addition will allow for an additional 283.16 AF 300 year to be made available through Sterling Ranch wells.

Table 3 on the following page details all of the water rights currently available for the FAWWA service area.

In addition to groundwater adjudicated under the various service areas, Sterling has contracted for numerous off-site groundwater acquisitions, which include three major sites. The Table also includes all contingent supplies which include water under contract at McCune and Bar-X. These contractual arrangements allow for Sterling Ranch to "take down" or purchase inventories over time to match needs as growth occurs. These supplies are further detailed in Table 3 (continued).





Update July, 2022



Falcon Area Water and Wastewater Authority
Comprehensive Water Supply Inventory
Current Legal Supply

| | Reference Finding/ | | ** * | Annual Annual Approved | | *** | | ırated | |
|---|--------------------------|----------------------|---------------|------------------------|------------------------|---|---|-------------------|-------------------|
| Land Formation/Aquifer | Determination/ Decree | Tributary Status | Volume | Allocation 100 Year | Allocation 300 Year | Well Locations | Notes | Sand Thickness | Specific Yield |
| 1 | | | Acre-Feet | A-F/Year | A-F/Year | | | | |
| | • | Currenth | | -Site Sterling W | ater Legai Sour | | • | | |
| Laramie Fox Hills | 86-CW-19 | NT | 53,900 | 539.00 | 179.67 | KLF-1 - KLF-4 | Under 1410 acres | 255 | 15% |
| | 08CW113 | NT | 40 | 0.40 | 0.13 | | Under 41.44 acres, reduced to 1.44 acres | | |
| | | | | | | | reduced to 1.44 acres | | |
| Arapahoe | 86-CW-18 | NT | 57500 | 575.00 | 191.67 | KA-1 - KA-4 | Under 1410 acres | 240 | 17% |
| | | | | | 371.47 | | | | |
| | | | | | | | | | |
| | | Augiliette O | Cita Anama | ited Sterling Wa | | O(-+-2) | | | |
| Laramie Fox Hills | 20CW 3059 | NT NT | 2780 | 27.80 | 9.27 | 3 (1VOIE 2) | 97.54 acres SR Quarry | 190 | |
| | | " | | | | | (Note 5) | | |
| Arapahoe | 20CW 3059 | NNT | 4320 | 43.20 | 14.40 | Augmented via Same Case | 97.54 acres SR Quarry | 260.5 | |
| | | | | | | | (Note 5) | | |
| Denver | 20CW 3059 | NNT | 4895 | 48.95 | 16.32 | Augmented via Same Case | 97.54 acres SR. Quarry (Note 5) | 295.2 | |
| | | | | | | | (11010.5) | | |
| Denver | 08CW113 | NNT | 72893 | 728.93 | 242.98 | | Sterling Ranch 1410 acres | | |
| | Aug 20CW 3059 | | | | | Augmented via Pending Case | | | |
| A | 08CW113 | NNT | 60 | 0.60 | 0.20 | | Oberton Brench 41 44 and and | | |
| Arapahoe | Aug 20CW 3059 | ININI | 60 | 0.60 | 0.20 | Augmented via Pending Case | Sterling Ranch 41.44 reduced to 1.44 acres | | |
| | Ŭ | | | | 283.16 | | | | |
| | | | | | | • | | | |
| | | | | | | | | | |
| | | Currently 2 | tvailable On- | Site Retreat Wate | er Legal Source: | (Note 1) | | | |
| Laramie Fox Hills | 17 CW3002 | NT | 6,440 | | | | Under 225.97 acres | 190 | 15% |
| LFH (Retained Water by predescer | | | | | | | | | |
| in title) | | NT | -612 | | | | | | |
| LFH (Relinguishment) | 18CW3002 | NT | -2,796 | | | | PPD Augmenting 29 wells | | |
| • | | | 3,032 | 30.32 | 10.11 | | , , , | | |
| | | | | | | | | | |
| Arapahoe | 17 CW3002 | NT | 9,796 | 97.96 | 32.65 | | Under 225.97 acres | 255 | 17% |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Legal Supply: Phase 3, | | | | | | | | | |
| Phase 4 (excluding Lots 39-41) and Phase 6 | | | 12,828 | 128.28 | 42.76 | | | | |
| and Phase 6 | | | 12,020 | 120.20 | 42.70 | | | | |
| | | | | | | | | | |
| Augmentation (Dawson MNT) | 98,393902 | Aug | 2,796 | 27.96 | 3.32 | | | | |
| Legal Supply: Phase 2 | | | | | | | | | |
| (excluding Lots 31-12). | | | | | | 25 Sangle Porolly Wells (Lines-2 | Pepia e a min of 2% of ournoing | | |
| Lots 39-41 of Phase 4, and Phase 5 | | | | | 9,32 | Assoluting Lots 11-12, Lots 33, 40 & 41 of Phase 4, & 5] | Loridans | | |
| Austraniation (Dawson MNT) | MONOR | AMR | 1567.5 | 15.60 | 5.23 | | Replace actual deplations | | |
| | | | | | | | | | |
| Legal Supply Phase 1 | | | | | 5.23 | 10 Single Family Wells (Phace 1) | | | |
| | (| or no reconstruction | | w Ground II'm | | | | | |
| Augmentation (Dawson MMT) | 869,888 | Aug | 240,0 | 240 | 0.80 | (Those 2 - Lats 11 & 12) | puliping | | |
| 31 | | | 2100 | 2.4 | 0.0 | | | | |
| 2) | | | 240.0 | 2.5 | 0.8 | | | | |

The water listed in the shaded area will be used to serve single family wells and is not included in the Total Available for the Central System Note 1.

In February, 2022: removed the existing Bar-X holdings from the supply sheet as the LFH water is dedicated to post-pumping depletions for Augmentation Case 20 CW 3059 and added the water yield from Case 20 CW 3059

Total Current Available 300-Year Water Supply (AF)

Acre-Feet :Legal Water Supply For Falcon Area Water and Wastewater Authority Central System

Sterling Current Supplies

Retreat Water Supplies

Retreat Wells private wells not included in Calculation

JDS-Hydro a Division of Respec

JDS-Hydro Consultants, Inc.







Table 3 Continued Falcon Area Water and Wastewater Authority Comprehensive Water Supply Inventory ntingent Supplies under Contract to FAWWA Determination/ Land Tributary Volume Allocation Allocation 300 Year Notes Sand 100 Year Acre-Feet A-F/Year A-F/Year noent Sh West Gr 1 Water Son Denver NNT 85 CW131 85 CW131 105,700 Needs Augmentation 187 62.33 62.33 25 Arapahoe NNT 2,500 0.00 Needs Augmentation 158.00 Arapahoe NT 47,400 474 158.00 LFH NT ngent Supply (without augmentation ortion remaining under contract Laramie Fox Hills NT 200 Arapahoe Denver 93-CW-018 93-CW-018 NT NT 74250 119900 742.50 1199.00 247.50 399.67 Shamrock/Bar-x Rights Shamrock/Bar-x Rights 260 435 17% 17% 647.17 54.39 Dawson 93-CW-018 NNT 149499 1494.99 498.33 Need Augmentation Plan 490 194,150 Fotal Additional Contingent Supply Bar-X (without augmentation ch (Elkhorn) Water Legal Soui ces WITHIN UBS BOUNDARIES 17,000 170.00 56.67 646.029 acres Laramie Fox Hills NT Arapahoe NT 23600 236.00 78.67 646.029 acres 245.00 Contingent Off site McCune Ground Water Sources (Note 5) Laramie Fox Hills 1689-BD 26,300 87.67 900.52 acres A rap ahoe 1690-BD NT 39800 398.00 132.67 900.52 acres 1691-BD 176.00 Denver NT 52800 528.00 900.52 acres 1662 BD 81950.00 Lower Dawson NNT 819.50

Note 1 If When the Shamrock West, Bar-X, and McCunewater are a quired, the purchases will result in an additional 3565.86 Annual AF-100 year (1188.62 Annual AF 300 year Basis)

Note 2 Perding Case 20 CW 3059 quantifier NT and NNT groundwater under what is known as the SR. Quarry which has been acquired. A distinctly, 20 CW 3059 provides an augmentation plan for the NNT Angadoe and Denver formation water under Serling Ranch. The post pumping depletions are shirtled by NT water of finite from file. "X Ranch. Current depletions for both the Sterling Ranch and SR. Quarry are satisfied by on LIFF credit supported by NT water explicit and SR. Quarry are satisfied by NT water of finite from file. "X Ranch. Current depletions for both the Sterling Rancch and SR. Quarry are satisfied by on LIFF credit supported by NT water applied and SR ring Ranch. Additionally, are assigned to be received. The control of the Sterling Rancch and SR. Quarry are satisfied by NT water and SR. Quarry are sa

391.33

Note 3 This water is NT water owned by Sterling Ranch and is available to be legally used on the Sterling Ranch Site. This water is projected to be dedicated as Augmentation Depletions for NNT

Water under Pending case 20 CW 3059. If when Pending Case 20 CW 3059 is approved in whole or part, this inventory will be adjusted to add any approved augmented NNT water and and any annifall augmentation supply, will be shown as legally available for Sterling Ranch.

Note: 4 The sources listed in this segment are under contract to Sterling Ranch. As the Contract "take-down" proceeds, these supplies will be become the property of Sterling and can be made available for direct use at Sterling Ranch or as additional augmentation water at Sterling Ranch.

 ${\it Note}~5~$ This water is also termed the McCune water. The sources listed in this table are under contract to Sterling

Elkhorn or The Ranch

ntal Contingent Supply McCune (without augr

Shamrock West, Bar-X, and McCune under Contract

JDS-Hydro Consultants, Inc







3.2 ADEOUACY OF WATER RIGHTS CURRENT SUPPLY

The current water rights inventory by area is as follows:

- / Sterling original on-site non-tributary (NT) water rights 371.47 AF_{300 year}
- / 02 CW 3059 283.16 AF_{300 year}
- Retreat at Timber Ridge on-site rights 42.76 AF_{300 year}

Sterling-owned and currently available on-site NT and adjudicated not non-tributary (NNT) water totals are $697.39 \text{ AF}_{300 \text{ year}}$, which would be adequate supply to meet the needs of 1,975 SFE.

As of July 2022, the total water commitment within SRMD requires 852.62 AF_{300 year}. See Appendix F – FAWWA Water Supply vs Current Water Commitments. As of this report, the Retreat at Timberridge Filing No 3.

This leaves a net deficit of currently available water for the remainder of 155.23 AF $_{300 \, \text{year}}$. However, FAWWA has an additional contracted for supply of 576.95 AF $_{300 \, \text{year}}$. at Bar-X and also 391.33 AF $_{300 \, \text{year}}$. at McCune which will be more than enough to meet the demands.

3.3 MASTER PLANNING AND LONG-TERM AND FUTURE SOURCES OF SUPPLY

The FAWWA water system has only been in operation for three years, so little-to-no usable historic information would be reliable for unique, long-term planning. However, substantial nearby data from the Falcon area is available for use. As of the end of 2021, the system had approximately only 300 active users. Therefore, initial projections have been based on area-wide water user characteristics and a linear buildout rate. This rate is considered to be an average annual rate that might be reasonably maintainable over a 10-year period. The average growth rate is projected as 180 units added per year.

- 2040 Scenario: Based on the above factors, the FAWWA system might conservatively anticipate serving 3,710 SFEs in the year 2040. This number is a service area projection and includes the Retreat and The Ranch, as well as the main Sterling Ranch residents. This would require 1,310 annual AF of water.
- 7,310 SFEs within its expanded service area, which includes the Retreat and The Ranch. This would be substantially greater than the actual Sterling Ranch. The annual acre-foot requirement might be 2,580 annual AF, but supply would include water from The Ranch.

In order to meet future demands, contractual arrangements have been made to obtain additional legal and physical supply to meet growing demands, outlined herein:

- / The McCune Water SR Water LLC has contracted with the McCune Ranch to purchase NT water rights in El Paso County. These water rights include Laramie-Fox Hills, Arapahoe, and Denver formation water, totaling 118,900 AF. Some additional NNT water is included, but is not included in this calculation at this time.
- The Bar-X water has also been contracted for in a similar manner; some water has already been purchased, but remaining Laramie-Fox Hills, Arapahoe, and Denver formation water totals 204,433 AF. Some additional NNT water is included, but not included in this calculation at this time.







In addition to adding off-site sources, potential, additional supplies include renewable resources and/or regional projects bringing new water to the area

<u>Long-Term Planning:</u> Future water supply has already been contracted for and plans for implementation are underway. The first project recently completed provides augmentation for certain on-site NNT water, so that that water may be used in existing and expanded well fields on-site.

- 1. Bar-X Northern Delivery Project: To extend supplies beyond 1,975 SFEs, the McCune and Bar-X contracts for water acquisition will require a major pipeline to be extended northerly to Hodgen Road. This pipeline system will allow for the physical, as well as legal, availability and acquisition of both McCune and Bar-X water to Sterling. Preliminary routing, environmental assessments, and 1041 applications are presently underway for this facility. As discussed previously, development beyond 1,975 SFEs will require the addition of this pipeline.
- McCune and Bar-X Acquisitions: The off-site acquisitions discussed previously will be exercised as needed to continually add to the Sterling supply.

| McCune | Acre-feet NT |
|------------------|--------------|
| 1689-BD LFH | 26,300 |
| 1690-BD Arapahoe | 39,800 |
| 1691-BD Denver | 52,800 |

There is a 1,500 AF set aside, reducing the Denver formation portion of the McCune supply and leaving a net total of 117,400 acre-feet of NT water, which yields a **391.33 AF**₃₀₀ supply, adding the capacity for an additional 1,109 SFE capacity.

| Remaining Unpurchased Bar-X Supply | Acre-feet NT |
|------------------------------------|--------------|
| 93-CW018 Arapahoe | 73,800 |
| 93-CW018 Denver | 130,633 |
| Minus (set-asides) | -19,098 |

There is additional Dawson NNT water included in the purchase arrangement, but no current augmentation plan is under consideration, so it is not counted here. Thus, there is a net total of 204,433 acre-feet of NT unpurchased Bar-X water, which yields a **617.78 AF**₃₀₀ supply, adding the capacity for an additional 1,750 SFE capacity.

3. Regionalization Opportunities: FAWWA's main supply source is centralized at a point that both Cherokee Metropolitan District and Woodmen Hills Metropolitan District have adjacent major storage and delivery facilities. There are currently no arrangements in place to make connections, but in the future, SRMD may seek to have interconnections and possibly share supply.

The second element is a much broader regionalization: conducting cooperative actions with Colorado Springs Utilities (CSU), which SRMD has been open to. CSU is potentially also open to shared physical facility utilization, which would enable Sterling to expand its scope



- in seeking water rights. While it is not expected that Sterling will provide actual water, the access to facilities opens greater doors for SRMD.
- 4. Indirect, Reuse, Lawn Irrigation Return Flows (LIRF) Credits, Aquifer Storage/Recharge, and Direct Reuse: Regarding return flows, initial development is being planned around sourcing available physical supplies. These supplies are all fully-consumable and ultimately result in potential return-flow capabilities. Since SRMD wastewater is discharged to the Meridian system, which in turn has the potential to convert some reusable flows to available physical supplies, those options will be available and considered by Sterling. With regard to LIRF credits, Sterling has already initiated a case that will make augmentation use of its potential LIRF credits.

3.4 SYSTEM INTERCONNECTS

FAWWA currently has no system interconnections. However, as discussed previously, FAWWA's main supply source is centralized at a point that both Cherokee Metropolitan District and Woodmen Hills Metropolitan District have adjacent major storage and delivery facilities. It is possible that future agreements could be made.

3.5 SOURCE OF PHYSICAL SUPPLY

Municipal water demand would be met using primarily Arapahoe and Laramie-Fox Hills formation wells in the SRMD area. The first well site will be drilled with an Arapahoe Well (A-1) and Laramie-Fox Hills Well (LFH-1); well site #1 includes both an Arapahoe and a Laramie-Fox Hills well. Additional permits will be obtained as needed to ultimately continue to add to the system as needed. Existing well permits are included in **Appendix D**.

Off-site water to the north of the SRMD service area is generally in the Denver and Arapahoe formations.

3.6 WATER QUALITY AND TREATMENT

Appendix E contains the water quality reports for the initial wells drilled at Sterling Ranch. The quality is generally consistent with Denver Basin water typically encountered in the Falcon area. The quality of water in these aquifers in this area has typically been suitable for potable use with the addition of iron and manganese treatment.

3.7 WATER STORAGE, DISTRIBUTION, AND TRANSMISSION LINES

An initial 1.0-million-gallon tank has already been constructed at the SRMD site.

For the purpose of fire protection, we recommend eight-inch lines throughout the residential subdivision. The lines should be looped wherever the street layout allows. A transmission line of 24-inches in diameter has been extended south-southwesterly along one of the major roadways from the storage tank into Phase One of the development.







3.8 PUMPING FOR SERVICE PRESSURES

Ground elevations within the development service area range from approximately 6,970 feet to 7,320 feet. Adequate service pressures are generally considered 60 psi for residential service. The tank site is on the Sterling property at a base elevation of approximately 7,310 feet, which would be capable of supplying acceptable service pressures to ground elevations of approximately 7,190 feet. Initial development is anticipated to be at elevations below 7,190 feet, so the tank site will be able to provide adequate pressure.

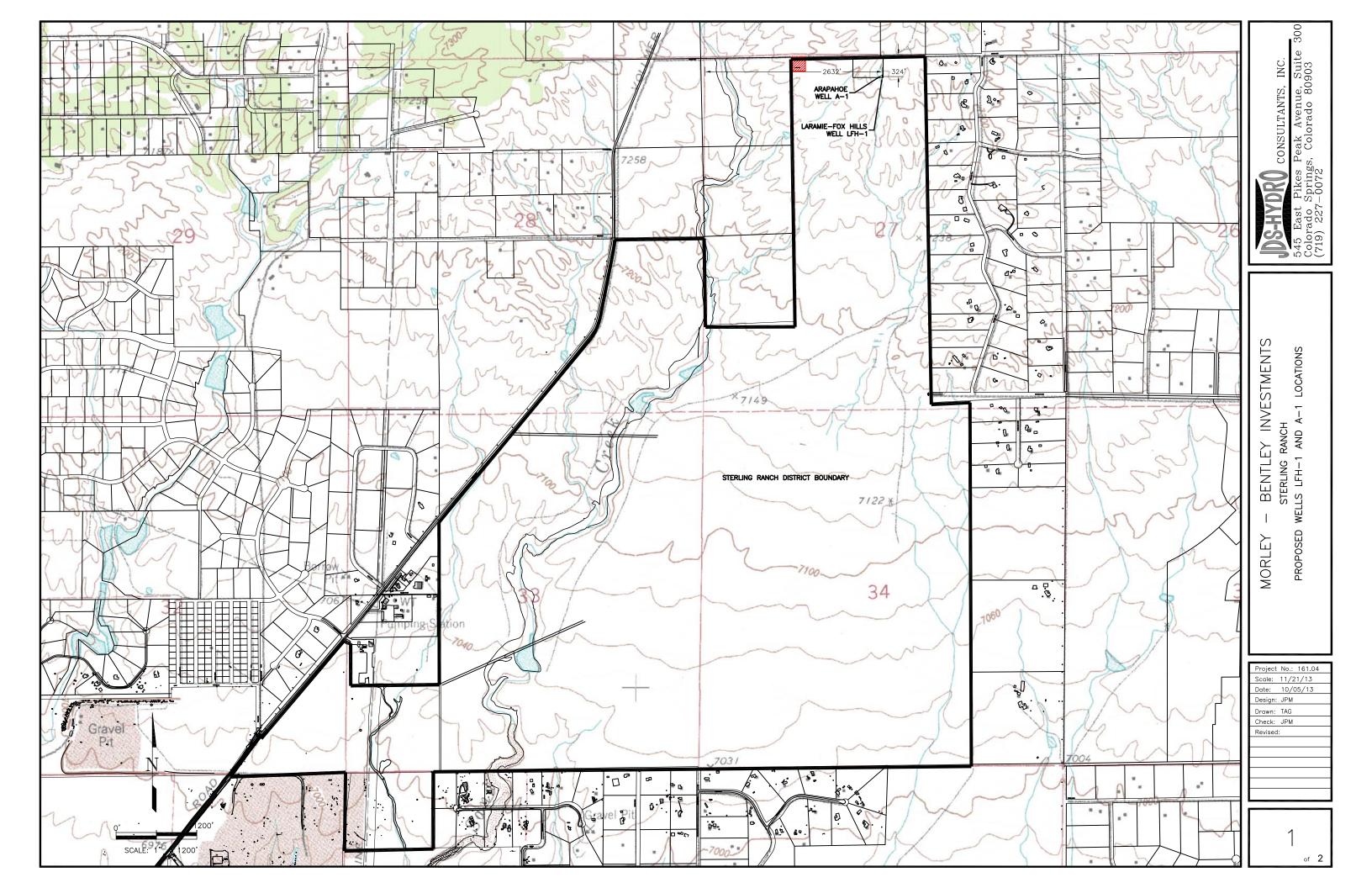
As development construction progresses, FAWWA plans to construct the northern transmission line to bring in the off-site water contracted for. Because the storage tanks are located at a high elevation, there is substantial pressure for residential service and fire flow for the initial development of FAWWA and all of the Ranch.

APPENDIX A

WATER SERVICE AREAS







APPENDIX B

HOMESTEAD NORTH AT STERLING RANCH FILING 3





a portion of sections 21, 22, 27 and 28, Township 12 south, range 65 west of the sixth principal meridian, EL PASO COUNTY, COLORADO

BE IT KNOWN BY THESE PRESENTS:

THAT TIMBERRIDGE DEVELOPMENT GROUP, LLC, A COLORADO LIMITED LIABILITY COMPANY BEING THE OWNER OF THE FOLLOWING DESCRIBED TRACT OF LAND TO WIT:

LEGAL DESCRIPTION:

A PARCEL OF LAND BEING A PORTION OF SECTIONS 21, 22, 27 AND 28, ALL IN TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 12 SOUTH. RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END WHICH IS THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI PLS 10376, 2006" AND AT THE EAST END, WHICH IS A 30' WITNESS CORNER TO THE EAST OF THE EAST QUARTER CORNER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI 10376, 2006", IS ASSUMED TO BEAR S89°08'28"W A DISTANCE OF 1356.68 FEET.

COMMENCING AT THE CENTER-EAST 1/16 CORNER OF SECTION 28. TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO, SAID POINT BEING ALSO ON THE SOUTHERLY RIGHT OF WAY LINE OF POCO ROAD AS PLATTED IN RETREAT AT TIMBERRIDGE FILING NO. 1 RECORDED UNDER RECEPTION NO. 220714653;

THENCE NO9°49'11"E, A DISTANCE OF 2334.95 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF VOLLMER ROAD AS DESCRIBED IN A DOCUMENT RECORDED IN BOOK 2678 AT PAGE 430 SAID POINT BEING THE POINT OF BEGINNING;

THENCE N21'41'10"E, ON THE EASTERLY RIGHT OF WAY LINE OF SAID VOLLMER ROAD, A DISTANCE THENCE S68°26'02"E, A DISTANCE OF 147.97 FEET TO A POINT OF CURVE; THENCE ON THE ARC OF A CURVE TO THE LEFT HAVING A DELTA OF 21°53'35", A RADIUS OF

THENCE N89'40'23"E, A DISTANCE OF 330.31 FEET TO A POINT OF CURVE: THENCE ON THE ARC OF A CURVE TO THE LEFT HAVING A DELTA OF 01°01'28", A RADIUS OF

1960.00 FEET AND A DISTANCE OF 35.05 FEET TO A POINT OF TANGENT; THENCE N88°38'55"E, A DISTANCE OF 460.44 FEET; THENCE S47'35'42"W, A DISTANCE OF 60.91 FEET TO A POINT ON THE NORTH LINE OF THE

560.00 FEET AND A DISTANCE OF 213.98 FEET TO A POINT OF TANGENT;

NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO; THENCE N88'38'55"E, ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 27, A DISTANCE OF 898.52 FEET TO THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 27; THENCE S00°54'30"E, A DISTANCE OF 1447.63 FEET;

THENCE N77°00'00"W, A DISTANCE OF 251.41 FEET; THENCE S07°30'00"E, A DISTANCE OF 198.00 FEET TO A POINT ON CURVE;

THENCE ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS S07°30'00"E, HAVING A DELTA OF 83°24'30", A RADIUS OF 55.00 FEET AND A DISTANCE OF 80.07 FEET TO A POINT OF

THENCE S00°54'30"E, A DISTANCE OF 28.43 FEET; THENCE S89°05'30"W, A DISTANCE OF 150.00 FEET;

THENCE S05°57'53"W, A DISTANCE OF 241.74 FEET; THENCE S19'50'00"W, A DISTANCE OF 225.69 FEET TO A POINT ON THE NORTHERLY BOUNDARY OF SAID RETREAT AT TIMBERRIDGE FILING NO. 1:

THENCE ON THE NORTHERLY BOUNDARY OF SAID RETREAT AT TIMBERRIDGE FILING NO. 1 THE FOLLOWING TWO (2) COURSES:

N71'41'17"W, A DISTANCE OF 83.46 FEET;

2. N53°22'30"W, A DISTANCE OF 243.17 FEET; THENCE N36'37'30"E, A DISTANCE OF 10.00 FEET: THENCE N53°22'30"W. A DISTANCE OF 150.00 FEET: THENCE N36°37'30"E. A DISTANCE OF 200.00 FEET THENCE N35°37'50"E, A DISTANCE OF 108.98 FEET; THENCE N27°50'00"E, A DISTANCE OF 94.45 FEET;

THENCE N19'43'22"E, A DISTANCE OF 95.70 FEET: THENCE N18°00'00"E, A DISTANCE OF 100.00 FEET: THENCE N17°19'01"E, A DISTANCE OF 103.72 FEET; THENCE NO3°30'00"E, A DISTANCE OF 107.28 FEET;

THENCE N16"19"41"W, A DISTANCE OF 155.30 FEET; THENCE N41°00'00"W, A DISTANCE OF 256.15 FEET; THENCE NO0°00'00"E, A DISTANCE OF 208.46 FEET; THENCE N86°05'18"W, A DISTANCE OF 253.40 FEET; THENCE N90°00'00"W, A DISTANCE OF 378.68 FEET;

THENCE N12°00'00"E, A DISTANCE OF 183.00 FEET; THENCE N78°00'00"W, A DISTANCE OF 490.00 FEET;

THENCE S12'00'00"W, A DISTANCE OF 307.77 FEET TO A POINT ON CURVE; THENCE ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS S68*21"36"W, HAVING A DELTA OF 114°51'36", A RADIUS OF 60.00 FEET AND A DISTANCE OF 120.28 FEET TO A POINT ON

THENCE N46°30'00"W, A DISTANCE OF 243.59 FEET; THENCE N6818'50"W, A DISTANCE OF 40.00 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 44.578 ACRES.

ACCEPTANCE CERTIFICATE FOR TRACTS

THE DEDICATION OF TRACTS A THRU C WITH USE STATED IN THE TRACT TABLE, ARE HEREBY ACCEPTED FOR MAINTENANCE BY THE RETREAT METROPOLITAN DISTRICTS NO. 1.

OF THE RETREAT METROPOLITAN DISTRICT NO. 2. STATE OF COLORADO COUNTY OF EL PASO THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ OF______, 20___, A.D. BY ______ OF THE RETREAT METROPOLITAN DISTRICT NO. 2.

WITNESS MY HAND AND OFFICIAL SEAL.

MY COMMISSION EXPIRES: _____ NOTARY PUBLIC

ACCEPTANCE CERTIFICATE FOR TRACTS THE DEDICATION OF TRACTS D THRU F WITH USE STATED IN THE TRACT TABLE. ARE HEREBY

ACCEPTED FOR MAINTENANCE BY THE RETREAT METROPOLITAN DISTRICTS NO. 2. OF THE RETREAT METROPOLITAN DISTRICT NO. 2. COUNTY OF EL PASO THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF______, 20__, A.D. BY _____ OF THE RETREAT METROPOLITAN DISTRICT NO. 2.

WITNESS MY HAND AND OFFICIAL SEAL. MY COMMISSION EXPIRES: _____

OWNERS CERTIFICATE:

THE UNDERSIGNED, BEING ALL THE OWNERS, MORTGAGEES, BENEFICIARIES OF DEEDS OF TRUST AND HOLDERS OF OTHER INTERESTS IN THE LAND DESCRIBED HEREIN, HAVE LAID OUT, SUBDIVIDED, AND PLATTED SAID LANDS INTO LOTS, TRACTS, STREETS, AND EASEMENTS AS SHOWN HEREON UNDER THE NAME AND SUBDIVISION OF RETREAT AT TIMBERRIDGE FILING NO. 3. ALL PUBLIC IMPROVEMENTS SO PLATTED ARE HEREBY DEDICATED TO PUBLIC USE AND SAID OWNER DOES HEREBY COVENANT AND AGREE THAT THE PUBLIC IMPROVEMENTS WILL BE CONSTRUCTED TO EL PASO COUNTY STANDARDS AND THAT PROPER DRAINAGE AND EROSION CONTROL FOR SAME WILL BE PROVIDED AT SAID OWNER'S EXPENSE. ALL TO THE SATISFACTION OF THE BOARD OF COUNTY COMMISSIONERS OF EL PASO COUNTY, COLORADO. UPON ACCEPTANCE BY RESOLUTION, ALL PUBLIC IMPROVEMENTS SO DEDICATED WILL BECOME MATTERS OF MAINTENANCE BY EL PASO COUNTY, COLORADO. THE UTILITY EASEMENTS SHOWN HEREON ARE HEREBY DEDICATED FOR PUBLIC UTILITIES AND COMMUNICATION SYSTEMS AND OTHER PURPOSES AS SHOWN HEREON. THE ENTITIES RESPONSIBLE FOR PROVIDING THE SERVICES FOR WHICH THE EASEMENTS ARE ESTABLISHED ARE HEREBY GRANTED THE PERPETUAL RIGHT OF INGRESS AND EGRESS FROM AND TO ADJACENT PROPERTIES FOR INSTALLATION, MAINTENANCE, AND REPLACEMENT OF UTILITY LINES AND RELATED FACILITIES.

THE AFOREMENTIONED, TIMBERRIDGE DEVELOPMENT GROUP, LLC, A COLORADO LIMITED LIABILITY COMPANY HAS EXECUTED THIS INSTRUMENT THIS __ DAY OF ______, 20__, A.D.

DOUGLAS M. STIMPLE, CEO, ELITE PROPERTIES OF AMERICA, INC. MANAGER OF TIMBERRIDGE DEVELOPMENT GROUP, LLC, A COLORADO LIMITED LIABILITY COMPANY.

STATE OF COLORADO COUNTY OF EL PASO

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF ______, 20__, A.D. BY DOUGLAS M. STIMPLE AS CEO, ELITE PROPERTIES OF AMERICA INC. MANAGER OF TIMBERRIDGE THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS ____ DEVELOPMENT GROUP, LLC, A COLORADO LIMITED LIABILITY COMPANY.

WITNESS MY HAND AND OFFICIAL SEAL.

MY COMMISSION EXPIRES: ___

GIS MAPS.

GENERAL NOTES:

1. THE DATE OF PREPARATION IS FEBRUARY 18, 2022.

2. THE TRACT OF LAND HEREIN PLATTED LIES WITHIN SECTIONS 21, 22, 27 AND 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN.

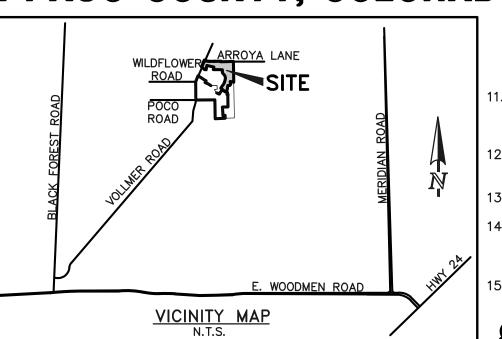
NOTARY PUBLIC

3. LOT 1: UNLESS SHOWN GREATER IN WIDTH, BOTH SIDES OF ALL SIDE LOT LINES ARE HEREBY PLATTED WITH A TEN (10) FOOT EASEMENT FOR PUBLIC UTILITIES, ALL REAR LOT LINES ARE HEREBY PLATTED WITH A TWENTY (20) FOOT EASEMENT FOR PUBLIC UTILITIES AND DRAINAGE PURPOSES, A FIVE (5) FOOT EASEMENT ALONG THE FRONT AND/OR SIDE OF ANY LOT ABUTTING A 60' WIDE RIGHT-OF-WAY FOR PUBLIC UTILITIES AND IMPROVEMENT PURPOSES, AND A TEN (10) FOOT EASEMENT, AS SHOWN ON THIS PLAT, FOR PUBLIC UTILITIES, WITH THE SOLE RESPONSIBILITY FOR MAINTENANCE BEING VESTED WITH THE INDIVIDUAL PROPERTY OWNERS.

LOTS 2 - 11 AND 31 -33: UNLESS SHOWN GREATER IN WIDTH, BOTH SIDES OF ALL SIDE LOT LINES ARE HEREBY PLATTED WITH A TEN (10) FOOT EASEMENT FOR PUBLIC UTILITIES, ALL REAR LOT LINES ARE HEREBY PLATTED WITH A TEN (10) FOOT EASEMENT FOR PUBLIC UTILITIES AND DRAINAGE PURPOSES, A FIVE (5) FOOT EASEMENT ALONG THE FRONT AND/OR SIDE OF ANY LOT ABUTTING A 60' WIDE RIGHT-OF-WAY FOR PUBLIC UTILITIES AND IMPROVEMENT PURPOSES, AND A TEN (10) FOOT EASEMENT, AS SHOWN ON THIS PLAT, FOR PUBLIC UTILITIES, WITH THE SOLE RESPONSIBILITY FOR MAINTENANCE BEING VESTED WITH THE INDIVIDUAL

LOTS 12 - 30: UNLESS SHOWN GREATER IN WIDTH, BOTH SIDES OF ALL SIDE LOT LINES ARE HEREBY PLATTED WITH A FIVE (5) FOOT EASEMENT FOR PUBLIC UTILITIES, ALL REAR LOT LINES ARE HEREBY PLATTED WITH A SEVEN (7) FOOT EASEMENT FOR PUBLIC UTILITIES AND DRAINAGE PURPOSES, A FIVE (5) FOOT EASEMENT ALONG THE FRONT AND/OR SIDE OF ANY LOT ABUTTING A 50' WIDE RIGHT-OF-WAY FOR PUBLIC UTILITIES AND IMPROVEMENT PURPOSES, AND A TEN (10) FOOT EASEMENT, AS SHOWN ON THIS PLAT, FOR PUBLIC UTILITIES, WITH THE SOLE RESPONSIBILITY FOR MAINTENANCE BEING VESTED WITH THE INDIVIDUAL PROPERTY OWNERS.

- 4. THE FOLLOWING REPORTS HAVE BEEN SUBMITTED AND ARE ON FILE AT THE COUNTY PLANNING AND COMMUNITY DEVELOPMENT: SOILS AND GEOLOGICAL STUDY, WATER AVAILABILITY STUDY, DRAINAGE REPORTS, EROSION CONTROL REPORT AND TRAFFIC STUDY IN FILE NO. SP-182.
- 5. THE TOTAL NUMBER OF LOTS BEING PLATTED IS 33. THE TOTAL NUMBER OF TRACTS BEING PLATTED IS 6.
- 6. ALL PROPERTY WITHIN THIS SUBDIVISION IS INCLUDED IN THE RETREAT METROPOLITAN DISTRICT NO. 1, AS EVIDENCED BY INSTRUMENTS RECORDED UNDER RECEPTION NO. 220087614 AND 220117578. ALL PROPERTY WITHIN THIS SUBDIVISION IS INCLUDED IN THE RETREAT METROPOLITAN DISTRICT NO. 2, AS EVIDENCED BY INSTRUMENT RECORDED UNDER RECEPTION NO. 220087615.
- DEVELOPER SHALL COMPLY WITH FEDERAL AND STATE LAWS, REGULATIONS, ORDINANCES, REVIEW AND PERMIT REQUIREMENTS, AND OTHER AGENCY REQUIREMENTS, IF ANY, OF A APPLICABLE AGENCIES INCLUDING, BUT NOT LIMITED TO, THE COLORADO DEPARTMENT OF PARKS AND WILDLIFE, COLORADO DEPARTMENT OF TRANSPORTATION, U.S. ARMY CORP. OF ENGINEERS, THE U.S. FISH & WILDLIFE SERVICE AND/OR COLORADO DEPARTMENT OF WILDLIFE REGARDING THE ENDANGERED SPECIES ACT.
- 8. THE ADDRESSES () EXHIBITED ON THIS PLAT ARE FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT THE LEGAL DESCRIPTION AND ARE SUBJECT TO CHANGE.
- 9. FLOODPLAIN STATEMENT: THIS SITE, RETREAT AT TIMBERRIDGE FILING NO. 3, IS PARTIALLY WITHIN A DESIGNATED F.E.M.A. FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAP, MAP NUMBER 08041C0535G, DATED DECEMBER 7, 2018. (ZONE X AND AE) BFE'S (BASE FLOOD ELEVATIONS) INDICATED HEREON ARE SHOWN BY GRAPHIC REPRESENTATION FROM THE FEMA
- 10. NO LOT OR INTEREST THEREIN, SHALL BE SOLD, CONVEYED, OR TRANSFERRED WHETHER BY DEED OR BY CONTRACT, NOR SHALL BUILDING PERMITS BE ISSUED, UNTIL AND UNLESS EITHER THE REQUIRED PUBLIC AND COMMON DEVELOPMENT IMPROVEMENTS HAVE BEEN CONSTRUCTED AND COMPLETED AND PRELIMINARILY ACCEPTED IN ACCORDANCE WITH THE SUBDIVISION IMPROVEMENTS AGREEMENT BETWEEN THE APPLICANT/OWNER AND EL PASO COUNTY AS RECORDED UNDER RECEPTION NO.______ IN THE OFFICE OF THE CLERK AND RECORDER OF EL PASO COUNTY, COLORADO OR, IN THE ALTERNATIVE, OTHER COLLATERAL IS PROVIDED TO MAKE PROVISION FOR THE COMPLETION OF SAID IMPROVEMENTS IN ACCORDANCE WITH THE EL PASO COUNTY LAND DEVELOPMENT CODE AND ENGINEERING CRITERIA MANUAL. ANY SUCH ALTERNATIVE COLLATERAL MUST BE APPROVED BY THE BOARD OF COUNTY COMMISSIONERS OR. IF PERMITTED BY THE SUBDIVISION IMPROVEMENTS AGREEMENT, BY THE EXECUTIVE DIRECTOR AND MEET THE POLICY AND PROCEDURE REQUIREMENTS OF EL PASO COUNTY PRIOR TO THE RELEASE BY THE COUNTY OF ANY LOTS FOR SALE, CONVEYANCE OR TRANSFER. THIS PLAT RESTRICTION MAY BE REMOVED OR RESCINDED BY THE BOARD OF COUNTY COMMISSIONERS OR, IF PERMITTED BY THE SUBDIVISION IMPROVEMENTS AGREEMENT, BY THE PLANNING AND COMMUNITY DEVELOPMENT EXECUTIVE DIRECTOR UPON EITHER APPROVAL OF AN ALTERNATIVE FORM OF COLLATERAL OR COMPLETION AND PRELIMINARY ACCEPTANCE BY THE EL PASO BOARD OF COUNTY COMMISSIONERS OF ALL IMPROVEMENTS REQUIRED TO BE CONSTRUCTED AND COMPLETED IN ACCORDANCE WITH SAID SUBDIVISION IMPROVEMENTS AGREEMENT. THE PARTIAL RELEASE OF LOTS FOR SALE, CONVEYANCE OR TRANSFER MAY ONLY BE GRANTED IN ACCORDANCE WITH ANY PLANNED PARTIAL RELEASE OF LOTS AUTHORIZED BY THE SUBDIVISION IMPROVEMENTS



ELECTRIC:

GAS:

GENERAL NOTES (CONT.):

- THIS PLAT IS REGULATED BY A P.U.D. DEVELOPMENT PLAN AND P.U.D. DEVELOPMENT GUIDELINES AS RECORDED UNDER RECEPTION NO. 218040692 OF THE RECORDS OF EL PASO COUNTY AND AS AMENDED.
- 2. MAILBOXES SHALL BE INSTALLED IN ACCORDANCE WITH ALL EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND UNITED STATES POSTAL SERVICE REGULATIONS.
- I3. FIRE PROTECTION IS BY BLACK FOREST FIRE PROTECTION DISTRICT.
- 4. ANY PERSON WHO KNOWINGLY REMOVES, ALTERS OR DEFACES ANY PUBLIC LAND SURVEY MONUMENT OR LAND BOUNDARY MONUMENT OR ACCESSORY, COMMITS A CLASS TWO (2) MISDEMEANOR PURSUANT TO STATE STATUTE 18-4-508, C.R.S.
- 15. THIS PLAT DOES NOT CONSTITUTE A TITLE SEARCH TO DETERMINE OWNERSHIP OR EASEMENTS. FOR ALL HYPORMAYION REGARDING EASEMENTS, RIGHT-OF-WAY AND TITLE OF RECORD, CLASSIC CONSULTING ENGINEERS AND SURVEYORS AND THE SURVEYOR OF RECORD RELIED UPON THE TITLE COMMITMENT ORDER NUMBER 211339 PREPARED BY CAPSTONE TITLE, WITH AN EFFECTIVE DATE APRIL 23, 2021 AT 8:00 A.M.
- 16. PURSUANT TO RESOLUTION _ ___, APPROVED BY THE BOARD OF DIRECTORS, EL PASO COUNTY PUBLIC IMPROVEMENT DISTRICT AND RECORDED IN THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDED AT RECEPTION NO. THE PARCELS WITHIN THE PLATTED BOUNDARIES OF RETREAT AT TIMBERRIDGE FILING NO. 3 ARE INCLUDED WITHIN THE BOUNDARIES OF THE EL PASO COUNTY PUBLIC IMPROVEMENT DISTRICT NO. 3 AND AS SUCH ARE SUBJECT TO APPLICABLE ROAD IMPACT FEES AND MILL LEVY.
- 17. A DRIVEWAY PERMIT IS REQUIRED TO BE APPLIED FOR AND APPROVED BY EL PASO COUNTY PRIOR TO THE ESTABLISHMENT OF

18. ALL PROPERTY OWNERS ARE RESPONSIBLE FOR MAINTAINING PROPER STORM WATER DRAINAGE IN AND THROUGH THEIR

PROPERTY. PUBLIC DRAINAGE EASEMENTS AS SPECIFICALLY NOTED ON THE PLAT SHALL BE MAINTAINED BY THE INDIVIDUAL LOT OWNERS UNLESS OTHERWISE INDICATED. HOMEBUILDERS ARE RESPONSIBLE TO ENSURE PROPER DRAINAGE AROUND STRUCTURES INCLUDING ELEVATIONS OF FOUNDATIONS AND WINDOW WELLS IN RELATION TO SIDE-LOT DRAINAGE EASEMENTS AND SWALES. HOMEOWNERS SHALL NOT CHANGE THE GRADE OF THE LOT OR DRAINAGE SWALES WITHIN SAID EASEMENTS, AS CONSTRUCTED THE BUILDER, IN A MANNER THAT WOULD CAUSE ADVERSE DRAINAGE IMPACTS TO PROPERTIES. STRUCTURES, FENCES, MATERIALS OR LANDSCAPING THAT COULD IMPEDE THE FLOW OF RUNOFF SHALL NOT BE PLACED IN DRAINAGE EASEMENTS. SHALL ACCEPT DRAINAGE FROM UPSTREAM AREAS AND THE PURCHASERS OF THESE LOTS ARE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF SIDE-LOT DRAINAGE SWALES TO ACCOMMODATE THE STORMWATER __ SHALL IMIT THE ADDITION OF IMPERVIOUS AREAS IN THE REAR YARDS (i.e. SHEDS, PATIOS,

HARDSCAPE RECREATION AREAS, ETC.) BASED ON THE P.U.D. DEVELOPMENT GUIDELINES RECORDED UNDER RECEPTION NO. 218040692 AND THE DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS FOR RETREAT AT TIMBERRIDGE RECORDED UNDER RECEPTION NO. 220174542 RECORDS OF EL PASO COUNTY, COLORADO.

PER LAND DEVELOPMENT CODE SECTION 6.3.3.C.2 AND 6.3.3.C.3. 20. BASIS OF BEARINGS: THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28.

19. INDIVIDUAL LOT PURCHASERS ARE RESPONSIBLE FOR CONSTRUCTING DRIVEWAYS, INCLUDING NECESSARY DRAINAGE CULVERTS

- TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END WHICH IS THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI PLS 10376, 2006" AND AT THE EAST END, WHICH IS A 30' WITNESS CORNER TO THE EAST OF THE EAST QUARTER CORNER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI PLS 10376, 2006", IS ASSUMED TO BEAR S89°08°28"W A DISTANCE OF 1356.68 FEET.
- 21. TRACT A THRU F ARE FOR PUBLIC REGIONAL AND LOCAL TRAILS, EXISTING DRAINAGEWAY, PUBLIC UTILITIES AND OPEN SPACE. TRACTS WILL BE OWNED AND MAINTAINED BY EL PASO COUNTY, UPON COMPLETION OF THE REQUIRED IMPROVEMENTS AND COUNTY ACCEPTANCE, THE RETREAT METROPOLITAN DISTRICTS NO. 1 AND 2 SHALL BE RESPONSIBLE FOR THE AESTHETIC MAINTENANCE.
- 22. UTILITY PROVIDERS: WATER AND SANITARY SEWER: LOTS 1-3 INDIVIDUAL WELL AND SEPTIC SYSTEM WATER AND SANITARY SEWER: LOTS 4-33 STERLING RANCH METROPOLITAN DISTRICT

BLACK HILLS ENERGY

- 23. ALL PROPERTY WITHIN THIS SUBDIVISION IS SUBJECT TO THE DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS FOR RETREAT AT TIMBERRIDGE RECORDED OCTOBER 30, 2020, UNDER RECEPTION NO. 220174542 RECORDS OF EL PASO COUNTY, COLORADO.
- 24. ALL STRUCTURAL FOUNDATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER CURRENTLY LICENSED IN THE STATE OF
- 25. WATER IN THE DENVER BASIN AQUIFERS IS ALLOCATED ON A 100 YEAR AQUIFER LIFE: HOWEVER, FOR EL PASO COUNTY PLANNING PURPOSES. WATER IN THE DENVER BASIN AQUIFERS IS EVALUATED BASED ON A 300 YEAR AQUIFER LIFE. APPLICANTS AND ALL FUTURE OWNERS IN THE SUBDIVISION SHOULD BE AWARE THAT THE ECONOMIC LIFE OF A WATER SUPPLY BASED ON WELLS IN A GIVEN DENVER BASIN AQUIFER MAY BE LESS THAN EITHER THE 100 YEARS OR 300 YEARS USED FOR ALLOCATION INDICATED DUE TO ANTICIPATED WATER LEVEL DECLINES. FURTHERMORE, THE WATER SUPPLY PLAN SHOULD NOT RELY SOLELY UPON NON-RENEWABLE AQUIFERS. ALTERNATIVE RENEWABLE WATER RESOURCES SHOULD BE ACQUIRED AND INCORPORATED IN A PERMANENT WATER SUPPLY PLAN THAT PROVIDES FUTURE GENERATIONS WITH A WATER SUPPLY.
- 26. THERE SHALL BE NO DIRECT VEHICULAR ACCESS FROM ANY LOT TO VOLLMER ROAD AND ARROYA LANE.

MOUNTAIN VIEW ELECTRIC ASSOCIATION

- 27. THE SECONDARY GRAVEL ACCESS ROAD, LYING WITHIN AN EASEMENT DESCRIBED IN A DOCUMENT RECORDED UNDER RECEPTION NO. 220202400, IS NOT COUNTY MAINTAINED. CONSTRUCTION AND MAINTENANCE OBLIGATIONS ARE THE RESPONSIBILITY OF TIMBERRIDGE DEVELOPMENT GROUP, LLC AND THE RETREAT METROPOLITAN DISTRICT NO. 1 PER SAID EASEMENT DOCUMENT.
- 28. THE UNDERDRAIN CONSTRUCTED BY THE DEVELOPER. ACCORDING TO PLANS APPROVED BY THE STERLING RANCH METROPOLITAN DISTRICT SHALL BE MAINTAINED BY THE RETREAT METROPOLITAN DISTRICT NO. 1.
- 29. SOIL AND GEOLOGY CONDITIONS: THE FOLLOWING LOTS HAVE BEEN FOUND TO BE IMPACTED BY GEOLOGIC HAZARDS. MITIGATION MEASURES AND A MAP OF THE HAZARD AREA CAN BE FOUND IN THE REPORT SOIL, GEOLOGY, GEOLOGIC HAZARD AND WASTEWATER STUDY, THE RETREAT AT TIMBERRIDGE, VOLLMER ROAD AND ARROYA LANE EL PASO COUNTY, COLORADO BY ENTECH ENGINEERING INC, DATED APRIL 12, 2017, REVISED DECEMBER 1, 2017 IN FILE RETREAT AT TIMBERRIDGE FILE NO. PUD 17-003 AND FILE NO. SP 182 AVAILABLE AT EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT: POTENTIAL SEASONAL SHALLOW WATER: LOTS 1-3, NO BUILDINGS OR SEPTIC SYSTEMS ARE ALLOWED IN THESE AREAS. IN AREAS OF HIGH GROUNDWATER: DUE TO HIGH GROUNDWATER IN THE AREA, ALL FOUNDATIONS SHALL INCORPORATE AN UNDERGROUND DRAINAGE SYSTEM. MAINTENANCE OF SAID UNDERGROUND DRAINAGE SYSTEM SHALL BE BY THE INDIVIDUAL PROPERTY OWNER.
- 30. THE PRIVATE DETENTION BASIN/ STORM WATER QUALITY BEST MANAGEMENT PRACTICE MAINTENANCE AGREEMENT AND EASEMENT IS RECORDED UNDER RECEPTION NO. ______ THE CHANNEL AND WETLAND MAINTENANCE AGREEMENT IS RECORDED UNDER RECEPTION NO. ______
- 33. INDIVIDUAL WELLS FOR LOTS 1-3 ARE THE RESPONSIBILITY OF EACH PROPERTY OWNER. PERMITS FOR INDIVIDUAL DOMESTIC WELLS MUST BE OBTAINED FROM THE STATE ENGINEER WHO BY LAW HAS THE AUTHORITY TO SET CONDITIONS FOR THE ISSUANCE OF THESE PERMITS.
- 34. WATER RIGHTS AVAILABLE TO SERVE INDIVIDUAL WELLS ON LOTS 1-3 SHALL BE OWNED BY THE RETREAT METROPOLITAN DISTRICT NO. 1 AND NOT THE PROPERTY OWNERS. EACH PROPERTY OWNER MUST OBTAIN A WATER CERTIFICATE FROM THE DISTRICT GRANTING THE RIGHT TO WITHDRAW THE WATER TO SUPPORT WELL PERMIT APPLICATIONS.

GENERAL NOTES (CONT.):

- 35. PIKES PEAK REGIONAL BUILDING DEPARTMENT HAS SIGNED AND STAMPED THE MYLARS AT RECEPTION NO. _____.
- 36. THE FENCE ON LOT 1 ALONG VOLLMER ROAD AND THE REAR LOT LINES OF 5, 6, 9, 10 AND 12 THRU 14 SHALL BE INSTALLED BY THE DEVELOPER AND MAINTAINED BY THE INDIVIDUAL LOT OWNER.
- 37. SEWAGE TREATMENT FOR LOTS 1-6 IS THE RESPONSIBILITY OF EACH PROPERTY OWNER. THE EL PASO COUNTY HEALTH DEPARTMENT MUST APPROVE EACH SYSTEM AND IN SOME CASES THE DEPARTMENT MAY REQUIRE AN ENGINEERED SYSTEM PRIOR TO PERMIT APPROVAL.

| LOTS | SQUARE FEET | PERCENTAGE | OWNER | MAINTENANCE |
|---|-------------|------------|-------------------------------|---|
| TRACT A-C (PUBLIC REGIONA LOCAL TRAILS, EXISTING DRAINAGEWAY, PUBLIC UTILITIES OPEN SPACE) | 22,714 | 1.17% | THE RETREAT DISTRICT NO. 1 | |
| TRACT D-E (PUBLIC REGIONAL LOCAL TRAILS, EXISTING DRAINAGEWAY, PUBLIC UTILITIES OPEN SPACE) | 22,612 | 1.16% | | THE RETREAT 2 DISTRICT NO. 2 |
| TRACT F (PUBLIC REGIONAL & LOCAL TRAILS, EXISTING DRAINAGEWAY AND OPEN SPACE) | 113,262 | 5.83% | EL PASO COUNTY | EL PASO AESTHETIC MAINTENANCE BY DISTRICT NO. 2 |
| LOTS (33 TOTAL) | 1,480,759 | 76.26% | INDIVIDUAL | LOT OWNERS |
| R.O.W. | 302,488 | 15.58% | COUNTY | COUNTY |
| TOTAL | 1 0/1 075 | 100 00% | | |

1,941,835 100.00% SURVEYOR'S STATEMENT:

ENGINEERS AND SURVEYORS, LLC.

. DOUGLAS P. REINELT, A DULY LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THIS PLAT TRULY AND CORRECTLY REPRESENTS THE RESULTS OF A SURVEY MADE ON DATE OF SURVEY. BY ME OR UNDER MY DIRECT SUPERVISION AND THAT ALL MONUMENTS EXIST AS SHOWN HEREON; THAT MATHEMATICAL CLOSURE ERRORS ARE LESS THAN 1:10.000: AND THAT SAID PLAT HAS BEEN PREPARED IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS OF THE STATE OF COLORADO DEALING WITH MONUMENTS, SUBDIVISION, OR SURVEYING OF LAND AND ALL APPLICABLE PROVISION OF THE EL PASO COUNTY LAND DEVELOPMENT CODED.

| I ATTEST THE ABOVE ON THIS DAY OF | , 20 |
|---|------|
| | |
| DOUGLAS P. REINELT, PROFESSIONAL LAND SURVEYOR COLORADO P.L.S. NO. 30118 FOR AND ON BEHALF OF CLASSIC CONSULTING, | DATE |

NOTICE:

ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT, MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

BOARD OF COUNTY COMMISSIONERS CERTIFICATE

THIS PLAT FOR RETREAT AT TIMBERRIDGE FILING NO. 3 WAS APPROVED FOR FILING BY THE EL PASO COUNTY, COLORADO BOARD OF COUNTY COMMISSIONERS ON THIS__ DAY OF ______, 20___, SUBJECT TO ANY NOTES SPECIFIED HEREON AND ANY CONDITIONS INCLUDED IN THE RESOLUTION OF APPROVAL. THE DEDICATIONS OF LAND TO THE PUBLIC STREETS, PUBLIC EASEMENTS AND TRACTS A AND C ARE ACCEPTED. BUT PUBLIC IMPROVEMENTS THEREON WILL NOT BECOME MAINTENANCE RESPONSIBILITY OF EL PASO COUNTY UNTIL PRELIMINARY ACCEPTANCE OF THE PUBLIC IMPROVEMENTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE AND ENGINEERING CRITERIA MANUAL, AND THE SUBDIVISION IMPROVEMENTS AGREEMENT.

| CHAIR, BOARD OF COUNTY COMMISSIONERS | DATE |
|---|------|
| | |
| EXECUTIVE DIRECTOR OF PLANNING AND COMMUNITY DEVELOPMENT | DATE |
| | |
| COUNTY ASSESSOR | DATE |
| CLERK AND RECORDER: | |
| STATE OF COLORADO))ss | |
| COUNTY OF EL PASO) | |
| I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD O'CLOCKM. THISDAY OF, 20, A.D., AND IS AT RECEPTION NOOF THE RECORDS COLORADO. | |

| DEPUTY |
|----------------------|
| DRAINAGE: SAND CREEK |
| BRIDGE FEES: |
| URBAN PARK: |
| REGIONAL PARK: |

SCHOOL FEE: FALCON SCHOOL DISTRICT NO. 49

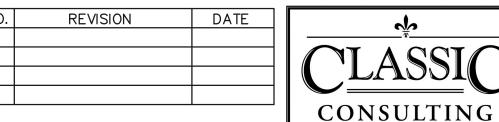
THIS DOCUMENT HAS NOT BEEN PLAT CHECKED

PCD FILE NO .:

TIMBERRIDGE DEVELOPMENT GROUP, LLC FILING NO. 3 2138 FLYING HORSE CLUB DRIVE COLORADO SPRINGS, CO 80921

CHUCK BROERMAN, RECORDER

RETREAT AT TIMBERRIDGE JOB NO. 1185.30 FEBRUARY 18, 2022 SHEET 1 OF 5



ACADEMY SCHOOL DISTRICT NO. 20

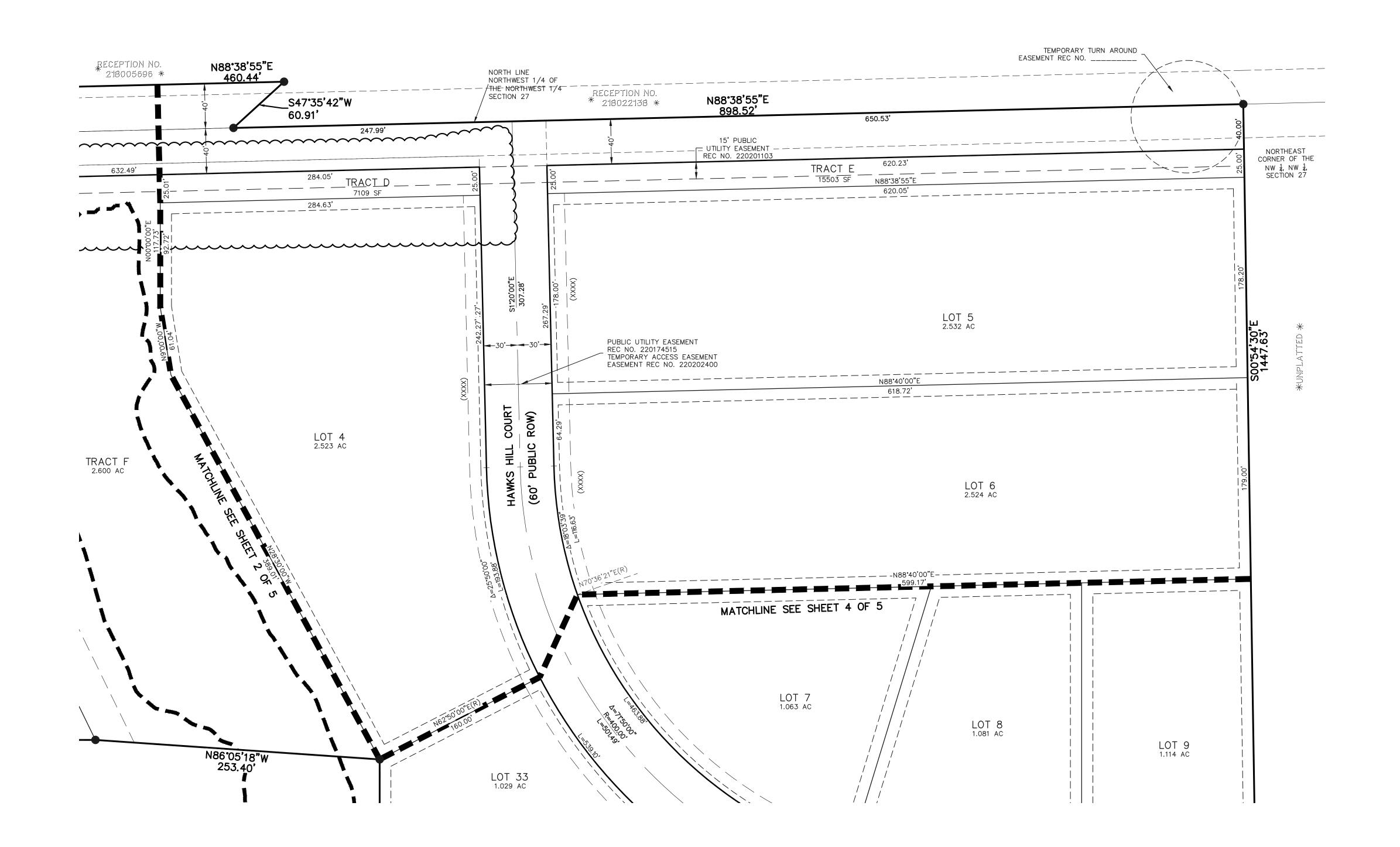
619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903

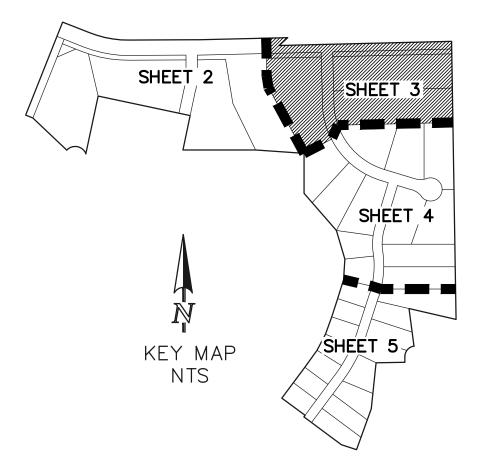
(719)785-0790 (719)785-0799 (Fax)

NOTARY PUBLIC

RETREAT AT TIMBERRIDGE FLING NO. 3

A PORTION OF SECTIONS 21, 22, 27 AND 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO





LEGEND

(R) radial bearing

AC ACRES SF SQUARE FEET

1-1/2" ALUMINUM SURVEYORS CAP STAMPED
"CCES LLC PLS 30118" TO BE SET FLUSH
W/GROUND UNLESS OTHERWISE NOTED

NOT PART OF THIS SUBDIVISION

(XXXX) ADDRESS



SCALE: 1" = 50"U.S. SURVEY FEET

THIS DOCUMENT HAS NOT BEEN PLAT CHECKED

> RETREAT AT TIMBERRIDGE FLING NO. 3 JOB NO. 1185.30 FEBRUARY 18, 2022 SHEET 3 OF 5



(719)785–0790 (719)785-0799 (Fax)

PCD FILE NO.: SF-21-021

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

RETREAT AT TIMBERRIDGE FLING NO. 3 A PORTION OF SECTIONS 21, 22, 27 AND 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO SHEET 2 LOT 4 2.523 AC LOT 7 1.063 AC LOT 8 LOT 9 EASEMENT? PUBLIC UTILITY EASEMENT REC NO. 220174515 TEMPORARY ACCESS EASEMENT EASEMENT REC NO. 220202400 LOT 33 1.029 AC HAWKS HILL COURT R=100.00' S73.10'00"E 195.51' (60' PID: 195.51' LEGEND (R) radial bearing LOT 31 1.071 AC AC ACRES SF SQUARE FEET 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "CCES LLC PLS 30118" TO BE SET FLUSH W/GROUND UNLESS OTHERWISE NOTED LOT 10 1.066 AC LOT 11 NOT PART OF THIS SUBDIVISION 1.069 AC PUBLIC UTILITY EASEMENT REC NO. 220174515 TEMPORARY ACCESS EASEMENT EASEMENT REC NO. 220202400 (XXXX) ADDRESS _ EASEMENT? LOT 30 21320 SF LOT 12 1.009 AC PRELIMINARY THIS DOCUMENT HAS NOT BEEN PLAT CHECKED LOT 29 RETREAT AT TIMBERRIDGE SCALE: 1" = 50'FLING NO. 3 U.S. SURVEY FEET LOT 13 1.010 AC JOB NO. 1185.30 FEBRUARY 18, 2022 SHEET 4 OF 5 MATCHLINE SEE SHEET 5 OF 5

LOT 14 1.024 AC CONSULTING

(719)785-0790 (719)785-0799 (Fax)

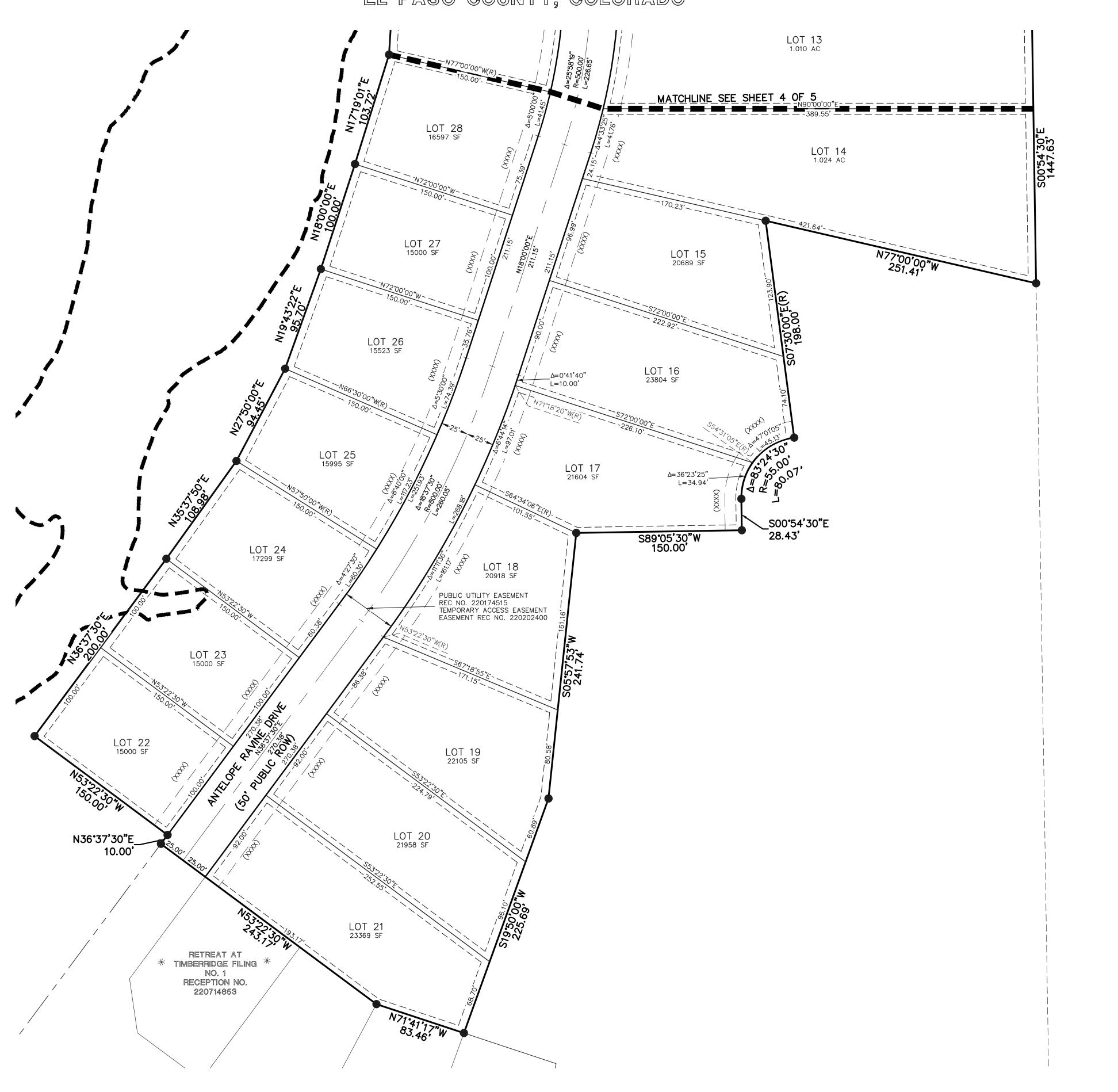
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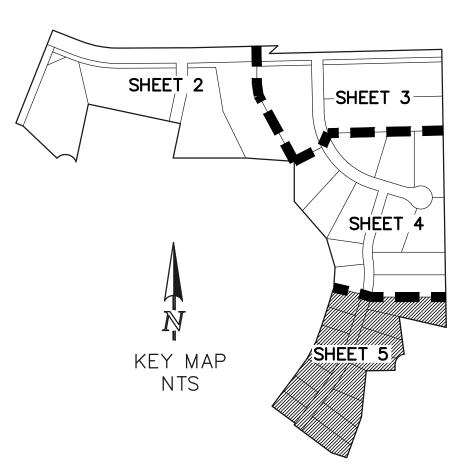
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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RETREAT AT TIMBERRIDGE FLING NO. 3

A PORTION OF SECTIONS 21, 22, 27 AND 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO





LEGEND

(R) RADIAL BEARING

AC ACRES

SF SQUARE FEET

1-1/2" ALUMINUM SURVEYORS CAP STAMPED "CCES LLC PLS 30118" TO BE SET FLUSH W/GROUND UNLESS OTHERWISE NOTED

NOT PART OF THIS SUBDIVISION

(XXXX) ADDRESS

5 0 50 SCALE: 1" = 50'

U.S. SURVEY FEET

PRELIMINARY
THIS DOCUMENT HAS NOT BEEN

PLAT CHECKED

RETREAT AT TIMBERRIDGE FLING NO. 3 JOB NO. 1185.30 FEBRUARY 18, 2022 SHEET 5 OF 5



enue, Suite 200 (719)785-0790 olorado 80903 (719)785-0799 (Fax)

APPENDIX C

WATER RIGHTS DECREES





APPENDIX C

08CW113 86CW18 86CW19 17CW3002 18CW3002 20CW3059

OFFICE OF THE STATE ENGINEER DETERMINATION OF FACTS

IN THE MATTER OF AN APPLICATION FOR UNDERGROUND WATER RIGHTS IN WATER DIVISION NO. 2, EL PASO COUNTY, COLORADO

CASE NO.: 08CW113

APPLICANT: MORLEY-BENTLEY INVESTMENTS, LLC

AQUIFER: DAWSON

In compliance with C.R.S. 37-92-302(2), Morley-Bentley Investments, LLC, (hereinafter "applicant") submitted an application to the Water Court for a determination of the amount of water available pursuant to C.R.S. 37-90-137(4). Based on information provided to the Court by the applicant and records of the Division of Water Resources, the State Engineer finds as follows:

- 1. The application was received by the Water Court on December 31, 2008.
- 2. According to the application, the applicant owns, or has consent to withdraw ground water underlying 1451.44 acres of land as further described in said application.
- 3. The quantity of water in the Dawson Aquifer (hereinafter "aquifer"), exclusive of artificial recharge, underlying the 1451.44 acres of land claimed in the application is 42,309 acre-feet. This determination was based on the following as specified in the Denver Basin Rules:
 - a. The average specific yield of the saturated aquifer materials underlying the land claimed in the application is 20 percent.
 - b. The average thickness of the saturated aquifer materials underlying the land claimed in the application is 145.8 feet.
- 4. In determining the amount of ground water available for withdrawal annually from this aquifer, the provisions of C.R.S. 37-90-137(4) must be applied, and pursuant to C.R.S. 37-90-137(4)(b)(I) annual withdrawals shall be allowed on the basis of an aquifer life of 100 years.
- 5. A review of the records in the State Engineer's Office has disclosed that there are existing wells or other water rights withdrawing ground water from the aquifer underlying the land claimed by the applicant. The well permit numbers, locations, rates of diversion, and other relevant data concerning such rights are set forth in the attached Exhibit A. To prevent material injury to such vested water rights, the quantity of water underlying the land claimed in the application which is considered available for withdrawal has been reduced to 39,247 acre-feet. This reduction was based on a calculation of the area necessary to provide a quantity of water underlying such lands as would be sufficient for the persons entitled to divert water under existing rights to divert the average annual amount of water from the aquifer for the minimum aquifer life of 100 years. The effect of this calculation is

Case No.: 08CW113

Applicant: Morley-Bentley Investments, LLC

Aquifer: Dawson

to reduce the land available for calculating the quantity of water underlying the land claimed in the application to 1,345.92 acres.

- 6. Withdrawal of ground water from the aquifer underlying the land claimed in the application will within one hundred years, deplete the flow of a natural stream at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and therefore the ground water is <u>not</u> nontributary ground water as defined in C.R.S. 37-90-103(10.7). C.R.S. 37-90-137(9)(c) states that judicial approval of a plan for augmentation shall be required prior to use of ground water of the type sought in this application. In the case of the Dawson aquifer such augmentation plans shall provide for the replacement of actual stream depletions to the extent necessary to prevent any injurious effect, based on actual aquifer conditions in existence at the time of the decree.
- 7. The allowed average annual amount of water available for withdrawal from the aquifer underlying the lands claimed in the application is 392.5 acre-feet (the quantity of water which is considered available divided by the 100 year aquifer life). It is recommended that the water court retain jurisdiction necessary to provide for adjustment (increase or decrease) of this amount.
- 8. Underlying the land claimed in the application, the aquifer is, as specified in the Denver Basin Rules, located approximately 54 feet to 346 feet below land surface. A site specific evaluation must be conducted with each well permit to identify the interval due to the varied elevation of the aquifer and surface topography.

| Dated this | 4th | day of _ | March | , 2009. |
|------------|-----|----------|-------|---------|

Dick Wolfe, P.E.

Director/State Engineer

Sarah Reinsel

Water Resources Engineer

Prepared by: SKR

Page 3

Case No.: 08CW113

Applicant: Morley-Bentley Investments, LLC

Aquifer: Dawson

EXHIBIT A

| Well | Location | | | | | | | | | |
|--------|----------|------|------|------|------|-----------|-----------|-----------|---------------|-------------|
| Number | Q40 | Q160 | Sec. | Twp. | Rng. | <u>AF</u> | <u>ST</u> | <u>SY</u> | <u>Radius</u> | <u>Area</u> |
| | | | | | | | | | | |
| 8745-R | NE | SW | 33 | 12S | 65W | 24.2 | 109 | 20 | 1240 | 87 |
| 8746-R | NE | SW | 33 | 12S | 65W | 16.1 | 112 | 20 | 1001 | 71 |
| 8747-R | NE | SW | 33 | 12S | 65W | 12.9 | 114 | 20 | 886 | 57 |
| 8748-R | NE | SW | 33 | 12S | 65W | 16.1 | 109 | 20 | 1011 | 74 |

Well Number = Well permit number and/or water court case number

AF = Annual appropriation of the well (acre-feet)

ST = Thickness of the saturated aquifer material at the well location (feet)

SY = Specific Yield of the saturated aquifer material (%)

Radius = Radius of the cylinder of appropriation (feet)

Area = Area of the applicant's land that is overlapped by the cylinder of appropriation (acres)

DISTRICT COURT, WATER DIVISION NO. 2, STATE OF COLORADO

OCT 29 1986

Case No. 86-CW-18

Priscille Lyner

FINDINGS OF FACT, CONCLUSIONS OF LAW, JUDGMENT AND DECREE

Clerk

CONCERNING THE APPLICATION FOR NONTRIBUTARY GROUND WATER RIGHTS OF THE FIRST INTERSTATE BANK OF DENVER N.A., CARLA W. LEWIS, AND SAMUEL S. SHERMAN AS COTRUSTEES UNDER THE LIFE INSURANCE TRUST OF THOMAS M. DINES FROM THE ARAPAHOE FORMATION, EL PASO COUNTY.

THIS MATTER, having come on for hearing before the Court this 29 day of 200., 1986 upon the application of The First Interstate Bank of Denver N.A., Carla W. Lewis, and Samuel S. Sherman as Cotrustees under the Life Insurance Trust of Thomas M. Dines ("Applicants") and the Court having considered the pleadings filed and the evidence presented, and being fully advised in the premises, hereby enters the following Findings of Fact, Conclusions of Law, and Judgment and Decree:

FINDINGS OF FACT

- 1. The Applicants are The First Interstate Bank of Denver N.A., Carla W. Lewis, and Samuel S. Sherman as Cotrustees under the Life Insurance Trust of Thomas M. Dines whose address is First Interstate Bank of Denver, 633 Seventeenth Street, Denver, Colorado 80202, Attn: Jack Alexander. Applicants filed the application in this case styled Application For Nontributary Ground Water From The Arapahoe Formation (the "Application") on March 28, 1986, seeking an adjudication of nontributary ground water rights from the Arapahoe Formation underlying lands owned by Applicants in El Paso County.
- 2. Timely and adequate notice of the Application was published as required by statute, and the Court has jurisdiction over the subject matter of this proceeding and over all parties affected hereby, whether they have appeared or not. None of the lands or water rights involved in this case are within the boundaries of a designated groundwater basin.
- 3. A timely statement of opposition was filed by JVRC, Inc. No other statements of opposition were filed within the time provided by law nor did any other parties enter their appearance or intervene in these proceedings.

- 4. The Water Referee by Order dated July 19, 1986, under Section 37-92-303(2), C.R.S., rereferred the Application to the Water Judge for all further proceedings.
- 5. The State Engineer issued a Determination of Facts on the Application, dated July 28, 1986, which has been filed with the Court. The Division Engineer adopted the Determination of Facts as his recommendations on August 8, 1986. The Determination of Facts and the findings contained therein have been reviewed and considered by this Court in accordance with Section 37-92-305(6), C.R.S.
- Applicants seek an adjudication of rights nontributary ground water from the Arapahoe Formation beneath 1,410 acres of land in El Paso County which are described in Exhibit A and depicted on the map attached as Exhibit B, both of which are incorporated herein by this reference (the "Subject Lands"). Applicants are the owners of the Subject Lands and have the right to withdraw and use the waters from the Arapahoe Formation underlying those lands. The waters claimed herein may be withdrawn through the proposed wells described in Paragraph $\bar{7}$ below and through such additional, replacement and supplemental wells as may be necessary to withdraw all of the water in the Arapahoe Formation underlying the Subject Lands without causing material injury to any vested water right whose source of supply is the Arkansas River and any of its tributaries or any other natural stream, or any ground water tributary thereto, and the Applicants have so proven.
- 7. Applicants will divert the waters claimed herein from the Arapahoe Formation through Dines Wells KA-1, KA-2, KA-3, and KA-4 more particularly described as follows:

Well Name: Dines Well KA-1

- (a) In the SE 1/4 of the NW 1/4 of Section 27, Township 12 South, Range 65 West of the 6th P.M., 2500 feet from the North Section line and 2200 feet from the West Section line, in El Paso County.
- (b) Depth: 1900 feet.
- (c) Source: Nontributary Arapahoe Formation.
- (d) Pumping rate: 150 gpm.

(e) Annual quantity: 240 acre-feet.*

Well Name: Dines Well KA-2

- (a) Location: In the SW 1/4 of the SW 1/4 of Section 27, Township 12 South, Range 65 West of the 6th P.M., 200 feet from the South Section line and 200 feet from the West Section line, in El Paso County.
- (b) Depth: 1800 feet.
- (c) Source: Nontributary Arapahoe Formation.
- (d) Pumping rate: 150 gpm.
- (e) Annual quantity: 240 acre-feet.*

Well Name: Dines Well KA-3

- (a) Location: In the NW 1/4 of the SE 1/4 of Section 33, Township 12 South, Range 65 West of the 6th P.M., 1500 feet from the South Section line and 2100 feet from the East Section line, in El Paso County.
- (b) Depth: 1700 feet.
- (c) Source: Nontributary Arapahoe Formation.
- (d) Pumping rate: 150 gpm.
- (e) Annual quantity: 240 acre-feet.*

Well Name: Dines Well KA-4

- (a) Location: In the NE 1/4 of the SW 1/4 of Section 34, Township 12 South, Range 65 West of the 6th P.M., 1400 feet from the South Section line and 2100 feet from the West Section line, in El Paso County.
- (b) Depth: 1700 feet.
- (c) Source: Nontributary Arapahoe Formation.

- (d) Pumping rate: 150 gpm.
- (e) Annual quantity: 240 acre-feet.
- * Not to exceed in total the amount available to Applicants from the Arapahoe Formation pursuant to § 37-90-137(4), C.R.S. and the provisions of this decree.
- Pursuant to §37-90-137(4), C.R.S., five hundred seventy-five (575) acre-feet of water per year are available to Applicants from the Arapahoe Formation underlying the Subject The average thickness of saturated sand of the Arapahoe Formation underlying the Subject Lands is 240 feet but the final determination on actual saturated sand thickness will determined when the wells are drilled, and the amount decreed herein may be subsequently adjusted in accordance with that saturated sand thickness as provided in Paragraph 29 below. specific yield of the Arapahoe Formation is 17% in and beneath the Subject Lands. This finding is specific to the property involved and does not indicate or in any way reflect upon proper values for the subject aquifer elsewhere. All the water in the Arapahoe Formation underlying the Subject Lands remains available for withdrawal by the wells decreed herein.
- The State Engineer in his Determination of Facts acre-feet per year were that 581 available appropriation through the subject wells. The State Engineer's determination is based on a finding that only 1395 acres of the Subject Lands are available for appropriation, and based on saturated sand thicknesses of 245 feet and 250 feet for different parts of the Subject Lands and a specific yield of 17% for the Arapahoe Formation. The State Engineer also found that of the total 581 acre-feet per year of water available for appropriation, 569 acre-feet was nontributary and 12 acre-feet was not nontributary. The 12 acre-feet per year the State Engineer found as not nontributary underly 37 acres of Section 32 of the Subject Lands. Applicant has shown by a preponderance of the evidence that there are no existing wells with a right to water from the Arapahoe Formation underlying the Subject Lands and that the water underlying 1410 acres is available for The Court also finds that the appropriation by Applicants. withdrawals through Applicants' proposed wells of the water claimed herein including the amount of water underlying the 37 acres in Section 32 is nontributary. The proposed wells will not, at their location and withdrawing the amounts decreed herein, within one hundred years deplete the flow of any natural stream at a rate greater than one-tenth of one percent of the annual rate of withdrawal. Applicants' engineer has testified that 575 acre-feet per year is available for appropriation calculated with a saturated sand thickness of 240 feet for the

Arapahoe Formation. Subject to the final determination of saturated sand thickness based on the information derived from the drilling of the wells, Applicants will use 240 feet for the saturated sand thickness of the Arapahoe Formation beneath the Applicants' property.

- 10. The source of water for the proposed wells is nontributary as defined in Section 37-90-103 (10.5), C.R.S. The proposed withdrawals through Dines Wells KA-1, KA-2, KA-3, and KA-4 in the amount of 575 acre-feet per year, or in any lesser or greater amount determined under Paragraph 29, will not, within one hundred years, deplete the flow of any natural stream or its alluvium or any ground water tributary thereto at an annual rate greater than one-tenth of 1% of the annual rate of withdrawal.
- 11. The waters of the Arapahoe Formation that are the subject of the appropriation claimed herein will be, Applicants intend that they be used, and Applicants shall have the right of succession of uses, for municipal, domestic, commercial, fire protection, industrial, residential, recreation, irrigation, exchange, replacement of depletions, augmentation, livestock and agricultural uses. The water will be produced for immediate application to beneficial use and for storage and subsequent application to beneficial use. Subject only to the provisions of Paragraph 31, Applicants shall have the right to make any reuse, successive use or disposition of the developed claimed herein until totally consumed free of limitations, restrictions, or requirements as to the place of use, amount of discharge or location of discharge after such reuse, successive use or disposition in accord with Section 37-82-106, C.R.S.
- 12. All of the requirements of C.R.S. § 37-90-137(4), in effect on this date have been complied with, and the issuance of permits for the subject wells is justified and those permits will be issued as described in Paragraph 34 below.
- 13. Applicants will relinquish the right to consume after use, reuse, and successive use 2% of the amount of ground water withdrawn through Dines Wells KA-1, KA-2, KA-3 and KA-4 and any additional, supplemental, or replacement, wells without regard to dominion or control of the ground water so relinquished.
- 14. Applicants seek a decree designating all of the wells described in Paragraph 7 above as original and alternate points of diversion for each other permitting the withdrawal of up to the full cumulative amount by flow rate and volume of water which may be lawfully withdrawn from any one or more of those wells. The Court finds that no material injury will result to the owners or persons entitled to use water under any vested

water right or decreed conditional water right by the granting of this request, and it is hereby granted.

- 15. Applicants may withdraw more water than the amounts set forth in Paragraph 8 so long as the sum of the withdrawals from all wells decreed herein (as that sum may subsequently be adjusted pursuant to Paragraph 29 hereof) does not exceed the product of the number of years since the date of this decree, times the annual rate of one percent (1%) of the total amount of unappropriated water recoverable from the Arapahoe Formation.
- 16. Applicants have requested that the Court determine that Applicants have the right to withdraw all of the unappropriated water from the Arapahoe Formation lying below their land and to increase their annual appropriations based upon the local aquifer characteristics established through information obtained from the drilling of the wells upon notice to all parties and approval by the Court, without amending the Application or republishing. The Court finds that there has been full and adequate notice of these claims and Applicants will be entitled to an adjustment under the provisions of Paragraph 29 below on the amount of water to which the wells are entitled.
- 17. Applicants may construct any well within 200 feet of the described locations without amending the Application or reopening this decree.
- 18. With respect to the permits to be issued by the State Engineer's office for construction of the wells described in Paragraph 7 herein, the provisions of Paragraph 34 below are and have been justified and shall apply.
- 19. As of March 3, 1986, Applicants have intended to the waters sought in the Application and have claim demonstrated by open and physical acts on the ground and by the completion of engineering study an and hydrogeological investigation on the water available for appropriation in the Arapahoe Formation. Applicants have demonstrated and manifested an intent to appropriate the waters claimed herein by giving sufficient notice thereof, all in accordance with law. evidence presented shows that the Applicants intend appropriate the waters claimed herein, that such intent appropriate has been adequately demonstrated, and that Applicants are entitled to a decree for the water rights herein decreed.
- 20. There is unappropriated water available for withdrawal by the structures decreed herein and the vested water rights of others will not be materially injured by the appropriations as decreed. Only that quantity of water underlying the Subject Lands has been considered to be

unappropriated; the minimum useful life of the Arapahoe Formation is at least one hundred (100) years, assuming no substantial artificial recharge within one hundred (100) years; and no material injury to vested water rights will result from the issuance of or exercise of the permits for the subject wells.

CONCLUSIONS OF LAW

- 21. The Court has jurisdiction to determine Applicants' rights to nontributary ground water pursuant to Sections 37-90-137(6), 37-92-203(1), and 37-92-302 through 305, C.R.S. (Supp. 1985). The procedures and requirements of these statutes have been complied with, full and adequate notice has been given, and no additional notice is required.
- 22. The Court concludes as a matter of law that the Application herein is one contemplated by law. The Application for a decree confirming Applicants' right to divert and use ground water from the Arapahoe Formation beneath the Subject Lands, pursuant to C.R.S. § 37-90-137(4), should be granted, subject to the provisions of this decree. The rights confirmed by this decree are vested property rights. The amount of water confirmed in this decree is that quantity of water underlying the Subject Lands and the annual withdrawals are based on an aquifer life of one hundred years.
- 23. The Court concludes that the rights to ground water determined herein are not conditional water rights and subsequent showings or findings of reasonable diligence under Section 37-92-301(4), C.R.S., are inapplicable and need not be made. Accordingly, each of the water rights adjudicated herein is a final vested property right.
- 24. Applicants are entitled as a matter of law to use, reuse, and successively use to extinction and dispose of all nontributary ground water decreed herein pursuant to Section 37-82-106, C.R.S. (Supp. 1985) subject only to a 2% relinquishment of Applicants' right to total consumption. Failure to use, reuse or recapture such water, including return flows, shall not be deemed a forfeiture or abandonment of the right to such use, reuse or recapture.
- 25. The Court shall retain jurisdiction over this matter to make adjustments to the amount of water available for withdrawal annually to conform to the actual aquifer characteristics encountered upon the drilling of the wells. This retained jurisdiction may be invoked only by the parties under Paragraph 36.

JUDGMENT AND DECREE

- 26. The Findings of Fact and Conclusions of Law set forth in Paragraphs 1-25, above are incorporated herein by this reference.
- 27. The Application for determination of water rights for the subject wells is granted subject to the following limitations.
- A right to five hundred seventy-five (575) acrenontributary ground water per year is decreed and confirmed in Applicants pursuant to § 37-90-137(4), C.R.S., for Dines Wells KA-1, KA-2, KA-3, and KA-4, from the Arapahoe Formation for municipal, domestic, commercial, fire protection, industrial, residential, recreation, irrigation, exchange, replacement of depletions, augmentation, livestock agricultural uses. Applicants shall have the right to recapture, reuse, and dispose of the water developed by the subject wells. Applicants shall have the right to withdraw water for immediate application to beneficial use and for storage and subsequent application to beneficial use and shall have the right to make any reuse, successive use or disposition of the developed water herein to extinction free of any limitations. restrictions, or requirements as to the place of use, amount of discharge or location of discharge after such reuse, successive use or disposition in accord with Section 37-82-106, C.R.S. subject only to the provisions of Paragraph 31 below. The water may be withdrawn through the wells described in Paragraph 7 above and through such additional wells as may be required in order to maintain the annual appropriation as determined herein. proposed withdrawals through Dines Wells KA-1, KA-2, KA-3, and KA-4 and any additional, supplemental, or replacement wells in the amount of 575 acre-feet per year, or in any additional amounts of water from the Arapahoe Formation underlying the Subject Lands, will not, within one hundred years, deplete the flow of any natural stream or its alluvium or any ground water tributary thereto at an annual rate greater than one-tenth of 1% annual rate of withdrawal, and those waters nontributary to any natural surface stream, its alluvium, and any ground water tributary thereto, and the proposed withdrawals will not result in material injury to vested water rights.
- 29. The total amount of water to which Applicants are entitled and which is available to Applicants from the Arapahoe Formation beneath the Subject Lands shall be 575 acre-feet per year or the lesser or greater amount of water each such well is entitled to as subsequently determined from the saturated sand thickness of the Arapahoe Formation determined from the geophysical data obtained from the construction of the wells. Geophysical logs shall be taken in accordance with the applicable

rules promulgated by the State Engineer. In making the determination of the final amount of water to which the subject wells are entitled, the following criteria shall apply:

- (a) Saturated sand thickness shall be defined as the cumulative thickness of saturated materials as shown on the geophysical logs for each well applying standard accepted geophysical log interpretation methodology;
- (b) The specific yield for the Arapahoe Formation shall be 17%;
- (c) The water in the Arapahoe Formation underlying the 1410 acres of the Subject Lands shall be considered available for appropriation by the wells decreed herein.

After the completion of the wells subject to this decree, Applicants shall submit the geophysical logs and any other geophysical information obtained from the drilling of the wells to the State Engineer and to the other parties in this action together with a statement from Applicants on the final actual saturated sand thickness and final annual appropriation for each well as determined by Applicants. Within 60 days from the date on which Applicants mail copies of the geophysical logs and statement to the parties herein, any party may petition this Court to invoke the Court's retained jurisdiction under Paragraph 36 of this decree to reconsider the saturated sand thickness of the Arapahoe Formation underlying the Subject Lands for the purpose of adjusting the total entitlement of water to the wells decreed herein. Those proceedings shall be limited exclusively to the issue of saturated sand thickness. If the Court's retained jurisdiction is not invoked within the time prescribed in this Paragraph, the respective amounts set forth in Applicants' statement as the final annual entitlement to each well shall be final, which amount shall be confirmed as final by order of the Court upon Applicants' motion to the Court setting forth facts showing compliance with this Paragraph.

30. The issuance by the Colorado Division of Water Resources pursuant to Colorado Revised Statutes, Section 37-90-137(4) of permits to construct the subject wells is justified and the Division of Water Resources is directed to issue the permits in accordance with Paragraph 34 below. Each of the requirements of the statute has been complied with. Unappropriated waters are available for appropriation from the Arapahoe Formation beneath the Subject Lands and the proposed withdrawals will not result in material injury to other vested water rights.

- 31. Applicants shall relinquish the right to consume, after use, reuse, and successive use 2% of the water withdrawn through Dines Wells KA-1, KA-2, KA-3 and KA-4 and any additional, supplemental, or replacement wells without regard to dominion or control of the ground water so relinquished.
- 32. All of the wells described in Paragraph 7 may be used as original and alternate points of diversion for each other permitting the withdrawal by flow rate and volume of up to the full cumulative amount of water which may be lawfully withdrawn from all of those wells from any one or more of those wells. The Court finds that no material injury will result to the owners or persons entitled to use water under any vested water right or decreed conditional water right by the granting of this request, and it is hereby granted.
- 33. Applicants may withdraw more water than the final annual appropriation for each well so long as the sum of the withdrawals from all wells decreed herein (as that sum may subsequently be adjusted pursuant to Paragraph 29 hereof) does not exceed the product of the number of years since the date of issuance of this decree, times the annual rate of one percent (1%) of the total amount of unappropriated water recoverable from the Arapahoe Formation.
- 34. With respect to the permits to be issued by the State Engineer's office for construction of the wells described in Paragraph 7 herein, the following provisions shall apply.
 - (a) The State Engineer shall consider the rights granted herein as valid and shall consider the water sought by Applicants as taken and appropriated by Applicants.
 - (b) When Applicants are prepared to drill a well described in this decree, Applicants shall apply to the State Engineer for a well permit and that permit shall be issued within 60 days under terms and conditions no less stringent than those set forth in this decree with the conditions for equipping and constructing the well as are specified in Paragraph 35 herein. In the event that a well permit expires prior to the construction of the well and the application of water to beneficial use, Applicants may apply for a new well permit and the State Engineer shall within 60 days issue a new well permit with the same terms and conditions as the permit that expired.
 - (c) Applicants shall submit well permit applications to the State Engineer's office for any replacement, supplemental or additional wells.

- (d) Any well permitted pursuant to this decree which is drilled within 200 feet of the decreed location shall be deemed to have been drilled at the decreed well location and shall not require application for a new or amended well permit.
- (e) In determining whether good cause exists for granting a request by Applicants to extend well permits for nontributary wells for one or more additional one-year periods pursuant to Section 37-90-137(3)(a)(II), C.R.S. (1985 Supp.), the State Engineer shall recognize that each well decreed herein, and such additional wells as are required from time to time to fully recover the annual appropriation herein, are part of a single integrated water supply system to be constructed over a phased period of time. So long as Applicants still desire to use the groundwater the well permits shall be extended.
- (f) Prior to constructing any additional wells, Applicants shall submit well permit applications to the State Engineer. In considering such permit applications, the State Engineer shall be governed by Section 37-90-137(10), C.R.S. (1985 Supp.) and the provisions of this decree. Any such permitting action may be reviewed by this Court pursuant to Section 37-92-305(6), C.R.S. (1985 Supp.).
- (g) For the purpose of well permit applications, Applicants need not submit separate proof, apart from the terms of this decree, of matters which have been determined herein.
- 35. Applicants shall geophysically log the entire bore hole of each well prior to the installation of casing. Such logs taken in accordance with the applicable promulgated by the State Engineer. In constructing maintaining any well which will withdraw water from the Arapahoe Formation under this decree, the Applicants shall seal off and encase the well with an impervious lining at all levels, except the level of the Arapahoe Formation, to prevent withdrawal of and mixing of groundwater in other aquifers and a totalizing flow meter shall be installed on each well. After construction the Applicants shall attach an identification tag to the well specifying the name of the well, the permit number and the aquifer from which the water is withdrawn. Applicants shall maintain records of the amounts pumped from each well on a monthly basis and such records shall be provided to the Division Engineer or the State Engineer on request.

36. This Court retains jurisdiction in this case for the reconsideration of the final amounts of water appropriated by the proposed wells in accord with Paragraph 29 above. The Court's retained jurisdiction may be invoked only by the Applicants and JVRC, Inc. The Court's retained jurisdiction may be invoked by written notice to the Court requesting a hearing. Copies of that notice will be served on the parties herein at their latest address of record in this case.

Dated this 29 day of Oct., 1986.

BY THE COURT

Honorable John Tracey

Water Judge Water Division No. 2 State of Colorado

APPROVED AS TO FORM AND SUBSTANCE:

SHERMAN & HOWARD

John L. DeWeerdt #9390

Kenneth L. Salazar #11648

Suite 2900

633 Seventeenth Street Denver, Colorado 80202

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Attorneys for Applicants, The First Interstate Bank of Denver N.A., Carla W. Lewis. and Samuel S. Sherman as Cotrustees under the Life Insurance Trust of Thomas M. Dines.

Sherman and Howard (Salazar) Vranesh & Raisch (Shimmin) Division Engineer State Engineer

VRANESH & RAISCH

Michael D. Shimmin,

Post Office Box 871

Boulder, Colorado 80306 Telephone: (303) 443-6151 Attorneys for Objector

JVRC, Inc.

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

OCT 29 1986

Principer Sylvers Clerk

EXHIBIT A

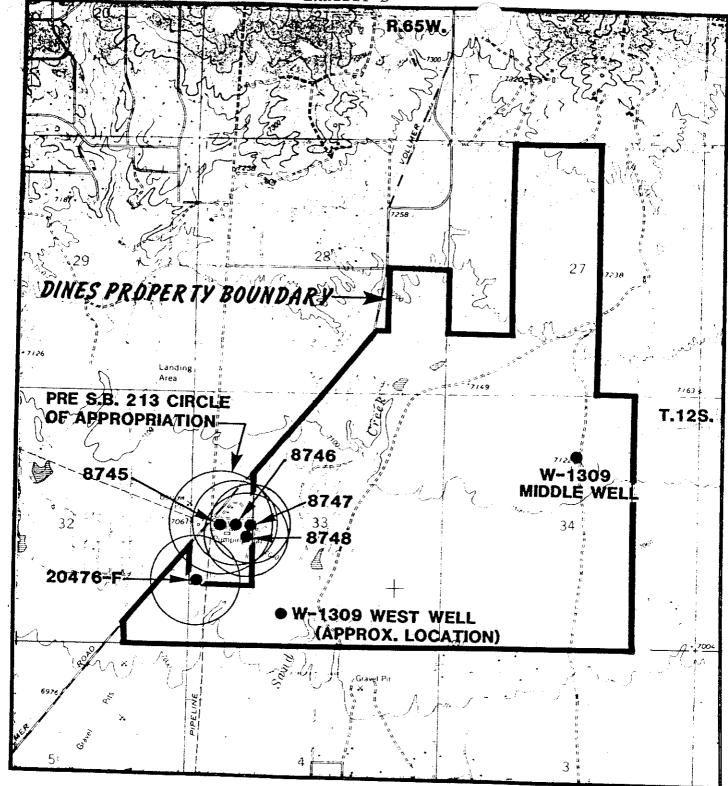
The Subject Lands consist of the following:

The W1/2 W1/2 E1/2 and the E1/2 W1/2 and the SW1/4 SW1/4 of Section 27; the E1/2 SE1/4 and that portion of the SW1/4 SE1/4 lying South and East of the County Road across said premises, both in Section 28; that portion of the SE1/4 SE1/4 of Section 32 lying South and East of said County Road, and that portion of the NE1/4 SE1/4 of said Section 32, lying South and East of said County Road; the E1/2 and the E1/2 SW1/4 and the SW1/4 SW1/4 of Section 33, and all that part of the NW1/4 of said Section 33 lying South and East of the said County Road across said premises, except that portion of the SW1/4 NW1/4 of said Section 33 lying South and East of said County Road containing approximately 10 acres deeded to Colorado Interstate Gas Company by Warranty Deed recorded in Book 1173 at Page 359 of the E1 Paso County Records; and the W1/2 E1/2 and the W1/2 of Section 34, all in Township 12 South, Range 65 West of the 6th P.M., located in E1 Paso County, Colorado.

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

OCT 29 1986

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SCALE 1:24000

LOCATION MAP

FIGURE 1

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

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DISTRICT COURT, WATER DIVISION NO. 2, STATE OF COLORADO

OCT 29 1986

Case No. 86-CW-19

Priseile Andrers

FINDINGS OF FACT, CONCLUSIONS OF LAW, JUDGMENT AND DECREE

Clerk

CONCERNING THE APPLICATION FOR NONTRIBUTARY GROUND WATER RIGHTS OF THE FIRST INTERSTATE BANK OF DENVER N.A., CARLA W. LEWIS, AND SAMUEL S. SHERMAN AS COTRUSTEES UNDER THE LIFE INSURANCE TRUST OF THOMAS M. DINES FROM THE LARAMIE-FOX HILLS AQUIFER, EL PASO COUNTY.

THIS MATTER, having come on for hearing before the Court this _29 day of _______, 1986 upon the application of The First Interstate Bank of Denver N.A., Carla W. Lewis, and Samuel S. Sherman as Cotrustees under the Life Insurance Trust of Thomas M. Dines ("Applicants") and the Court having considered the pleadings filed and the evidence presented, and being fully advised in the premises, hereby enters the following Findings of Fact, Conclusions of Law, and Judgment and Decree:

FINDINGS OF FACT

- l. The Applicants are The First Interstate Bank of Denver N.A., Carla W. Lewis, and Samuel S. Sherman as Cotrustees under the Life Insurance Trust of Thomas M. Dines whose address is First Interstate Bank of Denver, 633 Seventeenth Street, Denver, Colorado 80202, Attn: Jack Alexander. Applicants filed the application in this case styled Application For Nontributary Ground Water From The Laramie-Fox Hills Aquifer (the "Application") on March 28, 1986, seeking an adjudication of nontributary ground water rights from the Laramie-Fox Hills Aquifer underlying lands owned by Applicants in El Paso County.
- 2. Timely and adequate notice of the Application was published as required by statute, and the Court has jurisdiction over the subject matter of this proceeding and over all parties affected hereby, whether they have appeared or not. None of the lands or water rights involved in this case are within the boundaries of a designated groundwater basin.
- 3. A timely statement of opposition was filed by JVRC, Inc. No other statements of opposition were filed within the time provided by law nor did any other parties enter their appearance or intervene in these proceedings.

4. The Water Referee by Order dated July 19, 1986, under Section 37-92-303(2), C.R.S., rereferred the Application to the Water Judge for all further proceedings.

- 5. The State Engineer issued a Determination of Facts on the Application, dated July 28, 1986, which has been filed with the Court. The Division Engineer adopted the Determination of Facts as his recommendations on August 8, 1986. The Determination of Facts and the findings contained therein have been reviewed and considered by this Court in accordance with Section 37-92-305(6), C.R.S.
- Applicants seek an adjudication of rights to nontributary ground water from the Laramie-Fox Hills Aquifer beneath 1,410 acres of land in El Paso County which are described in Exhibit A and depicted on the map attached as Exhibit B, both of which are incorporated herein by this reference (the "Subject Lands"). Applicants are the owners of the Subject Lands and have the right to withdraw and use the waters from the Laramie-Fox Hills Aquifer underlying those lands. The waters claimed herein be withdrawn through the proposed wells described Paragraph 7 below and through such additional, replacement and supplemental wells as may be necessary to withdraw all of the water in the Laramie-Fox Hills Aquifer underlying the Subject Lands without causing material injury to any vested water right whose source of supply is the Arkansas River and any of its tributaries or any other natural stream, or any ground water tributary thereto, and the Applicants have so proven.
- 7. Applicants will divert the waters claimed herein from the Laramie-Fox Hills Aquifer through Dines Wells KLF-1, KLF-2, KLF-3, and KLF-4 more particularly described as follows:

Well Name: Dines Well KLF-1

- (a) In the SE 1/4 of the NW 1/4 of Section 27, Township 12 South, Range 65 West of the 6th P.M., 2500 feet from the North Section line and 2300 feet from the West Section line, in El Paso County.
- (b) Depth: 2350 feet.
- (c) Source: Nontributary Laramie-Fox Hills Aquifer.
- (d) Pumping rate: 150 gpm.

(e) Annual quantity: 240 acre-feet.*

Well Name: Dines Well KLF-2

- (a) Location: In the SW 1/4 of the SW 1/4 of Section 27, Township 12 South, Range 65 West of the 6th P.M., 100 feet from the South Section line and 100 feet from the West Section line, in El Paso County.
- (b) Depth: 2250 feet.
- (C) Source: Nontributary Laramie-Fox Hills Aquifer.
- (d) Pumping rate: 150 gpm.
- (e) Annual quantity: 240 acre-feet.*

Well Name: Dines Well KLF-3

- (a) Location: In the NW 1/4 of the SE 1/4 of Section 33, Township 12 South, Range 65 West of the 6th P.M., 1400 feet from the South Section line and 2200 feet from the East Section line, in El Paso County.
- (b) Depth: 2150 feet.
- (c) Source: Nontributary Laramie-Fox Hills Aquifer.
- (d) Pumping rate: 150 gpm.
- (e) Annual quantity: 240 acre-feet.*

Well Name: Dines Well KLF-4

- (a) Location: In the NE 1/4 of the SW 1/4 of Section 34, Township 12 South, Range 65 West of the 6th P.M., 1400 feet from the South Section line and 2200 feet from the West Section line, in El Paso County.
- (b) Depth: 2150 feet.
- (c) Source: Nontributary Laramie-Fox Hills Aquifer.

- (d) Pumping rate: 150 gpm.
- (e) Annual quantity: 240 acre-feet.
- * Not to exceed in total the amount available to Applicants from the Laramie-Fox Aquifer pursuant to § 37-90-137(4), C.R.S. and the provisions of this decree.
- 8. Pursuant to §37-90-137(4), C.R.S., five hundred thirty-nine (539) acre-feet of water per year are available to Applicants from the Laramie-Fox Hills Aquifer underlying the The average thickness of saturated sand of the Subject Lands. Laramie-Fox Hills Aquifer underlying the Subject Lands is 255 the final determination on actual saturated sand thickness will be determined when the wells are drilled, and the amount decreed herein may be subsequently adjusted in accordance with that saturated sand thickness as provided in Paragraph 29 The specific yield of the Laramie-Fox Hills Aquifer is 15% in and beneath the Subject Lands. This finding is specific to the property involved and does not indicate or in any way reflect upon proper values for the subject aquifer elsewhere. All the water in the Laramie-Fox Hills Aquifer underlying the Subject Lands remains available for withdrawal by the wells decreed herein.
- The State Engineer in his Determination of Facts that 423 acre-feet per year were available appropriation through the subject wells based on a specific yield of 15% and a saturated sand thickness of 200 feet for the Laramie-Fox Hill Aquifer beneath the Subject Lands. Applicants' engineer has testified that 539 acre-feet per year is available for appropriation calculated with a saturated sand thickness of 255 feet for the Laramie-Fox Hills Aquifer derived from a review of wells in the vicinity of the Subject Lands. Subject to the final determination of saturated sand thickness based on the information derived from the drilling of the wells, Applicants have shown by a preponderance of the evidence that the saturated sand thickness for the Laramie-Fox Hills Aquifer is 255 feet beneath the Applicants' property.
- 10. The source of water for the proposed wells is nontributary as defined in Section 37-90-103 (10.5), C.R.S. The proposed withdrawals through Dines Wells KLF-1, KLF-2, KLF-3, and KLF-4 in the amount of 539 acre-feet per year, or in any lesser or greater amount determined under Paragraph 29, will not, within one hundred years, deplete the flow of any natural stream or its alluvium or any ground water tributary thereto at an annual rate greater than one-tenth of 1% of the annual rate of withdrawal.

The waters of the Laramie-Fox Hills Aquifer that are the subject of the appropriation claimed herein will be, and Applicants intend that they be used, and Applicants shall have right of succession of uses, for municipal, domestic, commercial, fire protection, industrial, residential, recreation, irrigation, exchange, replacement of depletions, augmentation, livestock and agricultural uses. The water will be produced for immediate application to beneficial use and for storage and subsequent application to beneficial use. Subject only to the provisions of Paragraph 31, Applicants shall have the right to make any reuse, successive use or disposition of the developed claimed herein until totally consumed free limitations, restrictions, or requirements as to the place of use, amount of discharge or location of discharge after such reuse, successive use or disposition in accord with Section 37-82-106, C.R.S.

- 12. All of the requirements of C.R.S. § 37-90-137(4), in effect on this date have been complied with, and the issuance of permits for the subject wells is justified and those permits will be issued as described in Paragraph 34 below.
- 13. Applicants will relinquish the right to consume after use, reuse, and successive use 2% of the amount of ground water withdrawn through Dines Wells KLF-1, KLF-2, KLF-3 and KLF-4 and any additional, supplemental, or replacement, wells without regard to dominion or control of the ground water so relinquished.
- 14. Applicants seek a decree designating all of the wells described in Paragraph 7 above as original and alternate points of diversion for each other permitting the withdrawal of up to the full cumulative amount by flow rate and volume of water which may be lawfully withdrawn from any one or more of those wells. The Court finds that no material injury will result to the owners or persons entitled to use water under any vested water right or decreed conditional water right by the granting of this request, and it is hereby granted.
- 15. Applicants may withdraw more water than the amounts set forth in Paragraph 8 so long as the sum of the withdrawals from all wells decreed herein (as that sum may subsequently be adjusted pursuant to Paragraph 29 hereof) does not exceed the product of the number of years since the date of this decree, times the annual rate of one percent (1%) of the total amount of unappropriated water recoverable from the Laramie-Fox Hills Aquifer.
- 16. Applicants have requested that the Court determine that Applicants have the right to withdraw all of the unappropriated water from the Larimie-Fox Hills Aquifer lying

below their land and to increase their annual appropriations based upon the local aquifer characteristics established through information obtained from the drilling of the wells upon notice to all parties and approval by the Court, without amending the Application or republishing. The Court finds that there has been full and adequate notice of these claims and Applicants will be entitled to an adjustment under the provisions of Paragraph 29 below on the amount of water to which the wells are entitled.

- 17. Applicants may construct any well within 200 feet of the described locations without amending the Application or reopening this decree.
- 18. With respect to the permits to be issued by the State Engineer's office for construction of the wells described in Paragraph 7 herein, the provisions of Paragraph 34 below are and have been justified and shall apply.
- 19. As of March 3, 1986, Applicants have intended to waters sought in the Application and demonstrated by open and physical acts on the ground and by the completion of an engineering study and hydrogeological investigation on the water available for appropriation in the Laramie-Fox Hills Aquifer. Applicants have demonstrated and manifested an intent to appropriate the waters claimed herein by giving sufficient notice thereof, all in accordance with law. The evidence presented shows that the Applicants intend to appropriate the waters that such claimed herein, intent to appropriate has been adequately demonstrated, and that Applicants are entitled to a decree for the water rights herein decreed.
- 20. There is unappropriated water available withdrawal by the structures decreed herein and the vested water others rights of will not be materially injured appropriations as decreed. Only that quantity of water underlying the Subject Lands has been considered to unappropriated; the minimum useful life of the Laramie-Fox Hills at least one hundred (100) years, assuming substantial artificial recharge within one hundred (100) years; and no material injury to vested water rights will result from the issuance of or exercise of the permits for the subject wells.

CONCLUSIONS OF LAW

21. The Court has jurisdiction to determine Applicants' rights to nontributary ground water pursuant to Sections 37-90-137(6), 37-92-203(1), and 37-92-302 through 305, C.R.S. (Supp. 1985). The procedures and requirements of these statutes have been complied with, full and adequate notice has been given, and no additional notice is required.

- 22. The Court concludes as a matter of law that the Application herein is one contemplated by law. The Application for a decree confirming Applicants' right to divert and use ground water from the Laramie-Fox Hills Aquifer beneath the Subject Lands, pursuant to C.R.S. § 37-90-137(4), should be granted, subject to the provisions of this decree. The rights confirmed by this decree are vested property rights. The amount of water confirmed in this decree is that quantity of water underlying the Subject Lands and the annual withdrawals are based on an aquifer life of one hundred years.
- 23. The Court concludes that the rights to ground water determined herein are not conditional water rights and subsequent showings or findings of reasonable diligence under Section 37-92-301(4), C.R.S., are inapplicable and need not be made. Accordingly, each of the water rights adjudicated herein is a final vested property right.
- 24. Applicants are entitled as a matter of law to use, reuse, and successively use to extinction and dispose of all nontributary ground water decreed herein pursuant to Section 37-82-106, C.R.S. (Supp. 1985) subject only to a 2% relinquishment of Applicants' right to total consumption. Failure to use, reuse or recapture such water, including return flows, shall not be deemed a forfeiture or abandonment of the right to such use, reuse or recapture.
- 25. The Court shall retain jurisdiction over this matter to make adjustments to the amount of water available for withdrawal annually to conform to the actual aquifer characteristics encountered upon the drilling of the wells. This retained jurisdiction may be invoked only by the parties under Paragraph 36.

JUDGMENT AND DECREE

- 26. The Findings of Fact and Conclusions of Law set forth in Paragraphs 1-25, above are incorporated herein by this reference.
- 27. The Application for determination of water rights for the subject wells is granted subject to the following limitations.
- 28. A right to five hundred thirty-nine (539) acrefeet of nontributary ground water per year is decreed and confirmed in Applicants pursuant to § 37-90-137(4), C.R.S., for Dines Wells KLF-1, KLF-2, KLF-3, and KLF-4, from the Laramie-Fox Hills Aquifer for municipal, domestic, commercial, fire protection, industrial, residential, recreation, irrigation,

exchange, replacement of depletions, augmentation, livestock and agricultural uses. Applicants shall have the right to recapture, reuse, and dispose of the water developed by the subject wells. Applicants shall have the right to withdraw water for immediate application to beneficial use and for storage and subsequent application to beneficial use and shall have the right to make any reuse, successive use or disposition of the developed water herein claimed extinction free of to limitations, any restrictions, or requirements as to the place of use, amount of discharge or location of discharge after such reuse, successive use or disposition in accord with Section 37-82-106, C.R.S. subject only to the provisions of Paragraph 31 below. The water may be withdrawn through the wells described in Paragraph 7 above and through such additional wells as may be required in order to maintain the annual appropriation as determined herein. proposed withdrawals through Dines Wells KLF-1, KLF-2, KLF-3, and KLF-4 and any additional, supplemental, or replacement wells in the amount of 539 acre-feet per year, or in any additional amounts of water from the Laramie-Fox Hills Aquifer underlying the Subject Lands, will not, within one hundred years, deplete the flow of any natural stream or its alluvium or any ground water tributary thereto at an annual rate greater than one-tenth of 1% of the annual rate of withdrawal, and is nontributary to any natural surface stream, its alluvium, and any ground water tributary thereto, and the proposed withdrawals will not result in material injury to vested water rights.

- The total amount of water to which Applicants are entitled and which is available to Applicants from the Laramie-Fox Hills Aquifer beneath the Subject Lands shall be 539 acrefeet per year or the lesser or greater amount of water each such is entitled to as subsequently determined from the saturated sand thickness of the Laramie-Fox Hills Aquifer determined from the geophysical data obtained from construction of the wells. Geophysical logs shall be taken in accordance with the applicable rules promulgated by the State In making the determination of the final amount of water to which the subject wells are entitled, the following criteria shall apply:
 - (a) Saturated sand thickness shall be defined as the cumulative thickness of saturated materials as shown on the geophysical logs for each well applying standard accepted geophysical log interpretation methodology;
 - (b) The specific yield for the Laramie-Fox Hills Aquifer shall be 15%;

(c) The water in the Laramie-Fox Hills Aquifer underlying the 1410 acres of the Subject Lands shall be considered available for appropriation by the wells decreed herein.

After the completion of the wells subject to this decree, Applicants shall submit the geophysical logs and any other geophysical information obtained from the drilling of the wells to the State Engineer and to the other parties in this action together with a statement from Applicants on the final actual saturated sand thickness and final annual appropriation for well as determined by Applicants. Within 60 days from the date on which Applicants mail copies of the geophysical logs and statement to the parties herein, any party may petition this Court to invoke the Court's retained jurisdiction under Paragraph 36 of this decree to reconsider the saturated sand thickness of the Laramie-Fox Hills Aquifer underlying the Subject Lands for the purpose of adjusting the total entitlement of water to the wells decreed herein. Those proceedings shall be limited exclusively to the issue of saturated sand thickness. Court's retained jurisdiction is not invoked within the time prescribed in this Paragraph, the respective amounts set forth in Applicants' statement as the final annual entitlement to each shall be final, which amount shall be confirmed as final by order of the Court upon Applicants' motion to the Court setting forth facts showing compliance with this Paragraph.

- 30. The issuance by the Colorado Division of Water Resources pursuant to Colorado Revised Statutes, Section 37-90-137(4) of permits to construct the subject wells is justified and the Division of Water Resources is directed to issue the permits in accordance with Paragraph 34 below. Each of the requirements of the statute has been complied with. Unappropriated waters are available for appropriation from the Laramie-Fox Hills Aquifer beneath the Subject Lands and the proposed withdrawals will not result in material injury to other vested water rights.
- 31. Applicants shall relinquish the right to consume, after use, reuse, and successive use 2% of the water withdrawn through Dines Wells KLF-1, KLF-2, KLF-3 and KLF-4 and any additional, supplemental, or replacement wells without regard to dominion or control of the ground water so relinquished.
- 32. All of the wells described in Paragraph 7 may be used as original and alternate points of diversion for each other permitting the withdrawal by flow rate and volume of up to the full cumulative amount of water which may be lawfully withdrawn from all of those wells from any one or more of those wells. The Court finds that no material injury will result to the owners or persons entitled to use water under any vested water right or

decreed conditional water right by the granting of this request, and it is hereby granted.

- 33. Applicants may withdraw more water than the final annual appropriation for each well so long as the sum of the withdrawals from all wells decreed herein (as that sum may subsequently be adjusted pursuant to Paragraph 29 hereof) does not exceed the product of the number of years since the date of issuance of this decree, times the annual rate of one percent (1%) of the total amount of unappropriated water recoverable from the Laramie-Fox Hills Aquifer.
- 34. With respect to the permits to be issued by the State Engineer's office for construction of the wells described in Paragraph 7 herein, the following provisions shall apply.
 - (a) The State Engineer shall consider the rights granted herein as valid and shall consider the water sought by Applicants as taken and appropriated by Applicants.
 - (b) When Applicants are prepared to drill a well described in this decree, Applicants shall apply to the State Engineer for a well permit and that permit shall be issued within 60 days under terms and conditions no less stringent than those set forth in this decree with the conditions for equipping and constructing the well as are specified in Paragraph 35 herein. In the event that a well permit expires prior to the construction of the well and the application of water to beneficial use, Applicants may apply for a new well permit and the State Engineer shall within 60 days issue a new well permit with the same terms and conditions as the permit that expired.
 - (c) Applicants shall submit well permit applications to the State Engineer's office for any replacement, supplemental or additional wells.
 - (d) Any well permitted pursuant to this decree which is drilled within 200 feet of the decreed location shall be deemed to have been drilled at the decreed well location and shall not require application for a new or amended well permit.
 - (e) In determining whether good cause exists for granting a request by Applicants to extend well permits for nontributary wells for one or more additional one-year periods pursuant to Section 37-90-137(3)(a)(II), C.R.S. (1985 Supp.), the State Engineer shall recognize that each well decreed herein, and such additional

wells as are required from time to time to fully recover the annual appropriation herein, are part of a single integrated water supply system to be constructed over a phased period of time. So long as Applicants still desire to use the groundwater the well permits shall be extended.

- (f) Prior to constructing any additional wells, Applicants shall submit well permit applications to the State Engineer. In considering such permit applications, the State Engineer shall be governed by Section 37-90-137(10), C.R.S. (1985 Supp.) and the provisions of this decree. Any such permitting action may be reviewed by this Court pursuant to Section 37-92-305(6), C.R.S. (1985 Supp.).
- (g) For the purpose of well permit applications, Applicants need not submit separate proof, apart from the terms of this decree, of matters which have been determined herein.
- 35. Applicants shall geophysically log the entire bore hole of each well prior to the installation of casing. Such logs shall be taken in accordance with the applicable promulgated by the State Engineer. In constructing maintaining any well which will withdraw water from the Laramie-Fox Hills Aquifer under this decree, the Applicants shall seal off and encase the well with an impervious lining at all levels, except the level of the Laramie-Fox Hills Aquifer, to prevent withdrawal of and mixing of groundwater in other aquifers and a totalizing flow meter shall be installed on each well. construction the Applicants shall attach an identification tag to the well specifying the name of the well, the permit number and the aquifer from which the water is withdrawn. Applicants shall maintain records of the amounts pumped from each well on a monthly basis and such records shall be provided to the Division Engineer or the State Engineer on request.

36. This Court retains jurisdiction in this case for the reconsideration of the final amounts of water appropriated by the proposed wells in accord with Paragraph 29 above. The Court's retained jurisdiction may be invoked only by the Applicants and JVRC, Inc. The Court's retained jurisdiction may be invoked by written notice to the Court requesting a hearing. Copies of that notice will be served on the parties herein at their latest address of record in this case.

Dated this 29 day of Oct., 1986.

BY THE COURT

Water Judge
Water Division No. 2
State of Colorado

APPROVED AS TO FORM AND SUBSTANCE:

SHERMAN & HOWARD

John L. DeWeerdt #9390

Kenneth L. Salazar #11648

Suite 2900

633 Seventeenth Street Denver, Colorado 80202

Telephone: (303) 297-2900

Attorneys for Applicants, The First Interstate Bank of Denver N.A., Carla W. Lewis, and Samuel S. Sherman as Cotrustees under the Life Insurance Trust of Thomas M. Dines.

c: Sherman and Howard (Salazar)
 Vranesh & Raisch (Shimmin)
 Division Engineer
 State Engineer

VRANESH & RAISCH

Michael D. Shimmin, #9182

Post Office Box 871

Boulder, Colorado 80306 Telephone: (303) 443-6151 Attorneys for Objector

JVRC, Inc.

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

OCT 29 1986

Riscilla Lyners Clerk

EXHIBIT A

The Subject Lands consist of the following:

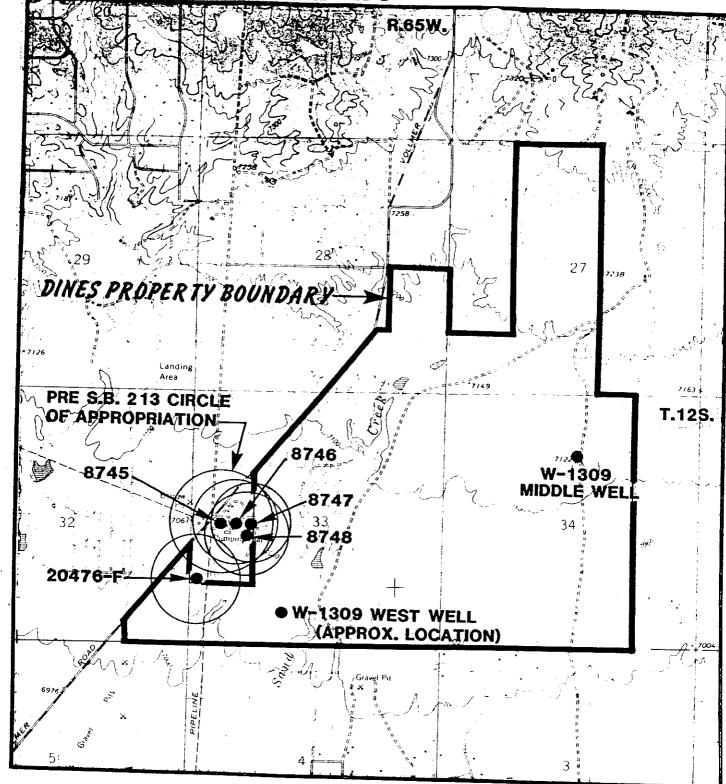
The W1/2 W1/2 E1/2 and the E1/2 W1/2 and the SW1/4 SW1/4 of Section 27; the El/2 SEl/4 and that portion of the SWl/4 SEl/4 lying South and East of the County Road across said premises, both in Section 28; that portion of the SE1/4 SE1/4 of Section 32 lying South and East of said County Road, and that portion of the NE1/4 SE1/4 of said Section 32, lying South and East of said County Road; the E1/2 and the E1/2 SW1/4 and the SW1/4 SW1/4 of Section 33, and all that part of the NW1/4 of said Section 33 lying South and East of the said County Road across premises, except that portion of the SW1/4 NW1/4 of Section 33 lying South and East of said County Road containing approximately 10 acres deeded to Colorado Interstate Gas Company by Warranty Deed recorded in Book 1173 at Page 359 of the El Paso County Records; and the W1/2 E1/2 and the W1/2 of Section 34, all in Township 12 South, Range 65 West of the 6th P.M., located in El Paso County, Colorado.

> Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

> > OCT 29 1986

Priscille L. Lyners

Clerk



SCALE 1:24000

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

OCT 29 1986

LOCATION MAP

FIGURE 1



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Electronically Recorded Official Records El Paso County CO Chuck Broerman, Clerk and Recorder

> DATE FILED: May 31, 2017 9:37 AM CASE NUMBER: 2017CW3002

▲ COURT USE ONLY ▲

Case No.: 17CW3002

TD1000 N

DISTRICT COURT, WATER DIVISION 2, COLORADO

Court Address: 501 North Elizabeth Street,

Suite 116

Pueblo, CO 81003

CONCERNING THE APPLICATION FOR WATER

RIGHTS OF:

ARROYA INVESTMENTS, LLC, JACOB DECOTO, **MARVIN ORNES and TERRI WAHLBERG**

IN EL PASO COUNTY

FINDINGS OF FACT, CONCLUSIONS OF LAW, RULING OF REFEREE

AND DECREE

THIS MATTER comes before the Water Referee on the Application filed by Arroya Investments, LLC, Jacob Decoto, Marvin Ornes and Terri Wahlberg, and having reviewed said Application and other pleadings on file, and being fully advised on this matter, the Water Referee makes the following findings and orders:

GENERAL FINDINGS OF FACT

- The applicants in this case are Arroya Investments, LLC ("Arroya"), Jacob Decoto ("Decoto"), Marvin Ornes ("Ornes") and Terri Wahlberg ("Wahlberg") (collectively, "Applicants"). Applicants are, collectively, the owners of the four separately owned parcels of land totaling approximately 335.59 acres under which the groundwater sought to be adjudicated herein are located, and are likewise the owners of the place of use where the water is anticipated to be put to beneficial use.
- The Applicants filed this Application with the Water Court for Water Division 2 on January 31, 2017. The Application was referred to the Water Referee by order of the Court dated February 2, 2017.
- The time for filing statements of opposition to the Application expired on the last day of March, 2017, and a no statements of opposition were timely filed.
- On February 2, 2017, the Division 2 Water Court ordered that publication occur in the Daily Transcript within El Paso County.
- The Clerk of this Court has caused publication of the Application filed in this matter as provided by statute and the publication costs have been paid. On February 15, 2017, proof of publication in the *Daily Transcript* was filed with the Court. All notices of the Application have been given in the manner required by law.

- 6. Pursuant to C.R.S. §37-92-302(2), the Office of the State Engineer has filed Determination of Facts for each aquifer with this Court dated March 14, 2017.
- 7. Pursuant to C.R.S. §37-92-302(4), the office of the Division Engineer for Water Division 2 filed its Consultation Report dated March 29, 2017, with the Court. The Consultation Report has been considered by the Water Referee in the entry of this Ruling.
- 8. The Water Court has jurisdiction over the subject matter of these proceedings and over all who have standing to appear as parties whether they have appeared or not. The land and water rights involved in this case are not within a designated groundwater basin.

GROUNDWATER RIGHTS

- 9. The Applicants requested the adjudication and quantification all Denver Basin groundwater in each aquifer underlying the four (4) specifically described parcels of land owned by each of the Applicants, respectively, as described herein. No plan for augmentation for the use of the not-nontributary groundwater was sought or is decreed herein. The Applicants shall construct such wells as necessary for withdrawal of Applicants' full entitlements of water supplies decreed herein. The following findings are made with respect to such underground water rights:
- A. <u>Property Description</u>. All wells to all aquifers will be located on the Applicants respective properties. Such Properties are more specifically described as follows:
- i. <u>Arroya Parcel</u>. The "Arroya Parcel" is an approximately 226 acre parcel located in the SE1/4 SE1/4 of Section 21, the W1/2 SW1/4 of Section 22, the E1/2 NE1/4 of Section 28, the W1/2 NW1/4 and the NW1/4 SW1/4 of Section 27, all in Township 21 South, Range 65 West of the 6th P.M., El Paso County, Colorado, as more particularly described on attached **Exhibit A**, and depicted on attached **Exhibit E**. The Arroya Parcel is owned by Applicant Arroya Investments, LLC.
- ii. <u>West Parcel No. 1</u>. The "West Parcel No. 1" is an approximately 36.01 acre parcel located in the SW1/4 SE1/4 and the SE1/4 SE1/4 of Section 21, and the NE1/4 NE1/4 of Section 27, Township 12 South, Range 65 West of the 6th P.M., El Paso County, Colorado, as more particularly described on attached **Exhibit B**, and depicted on attached **Exhibit E**. The West Parcel No. 1 is owned by Applicant Jacob Decoto.
- iii. <u>West Parcel No. 2</u>. The "West Parcel No. 2" is an approximately 36.03 acre parcel located in the SW1/4 SE1/4 and the SE1/4 SE1/4 of Section 21, Township 12 South, Range 65 West of the 6th P.M., El Paso County, Colorado, as more particularly described on attached **Exhibit C**, and depicted on attached **Exhibit E**. The West Parcel No. 2 is owned by Applicant Jacob Decoto.

- iv. <u>West Parcel No. 3</u>. The "West Parcel No. 3" is an approximately 37.58 acre parcel located in the NW1/4 SE1/4 and the NE1/4 SE1/4 of Section 21, Township 12 South, Range 65 West of the 6th P.M., El Paso County, Colorado, as more particularly described on attached **Exhibit D**, and depicted on attached **Exhibit E**. The West Parcel No. 3 is owned by Applicants Marvin Ornes and Terri Wahlberg.
- B. <u>Existing Wells</u>. There is currently one (1) existing well constructed to the Dawson aquifer on West Parcel No. 2 (Decoto): DWR Permit No. 4554, an exempt domestic well. DWR Permit No. 4554 is an exempt structure; water from the Dawson aquifer sufficient to allow for such continued exempt use has been excluded from the quantification herein. Two additional exempt domestic wells have been permitted since the filing of the application in this matter, DWR Permit No. 304551 on West Parcel No. 1 (Decoto), and DWR Permit No. 304498 on West Parcel No. 3 (Ornes/Wahlberg), and are excluded from quantification herein.
- C. <u>Additional Wells</u>. Applicants anticipated additional wells will be constructed on each the Applicants' respective properties. To the extent any additional wells may be constructed to the not-nontributary Dawson and/or Denver aquifer(s), such wells may be constructed only pursuant to a subsequent decree providing an approved plan for augmentation, or as exempt well structures pursuant to C.R.S. §37-92-602.
- 10. Of the statutorily described Denver Basin aquifers, the Dawson, Denver, Arapahoe, and Laramie-Fox Hills aquifers all exist beneath the Applicants' respective properties. The Dawson and Denver aquifers contain not-nontributary water, while the water of the Arapahoe and Laramie-Fox Hills aquifers underlying the Applicants' respective properties is nontributary. The quantity of water in the Denver Basin aquifers exclusive of artificial recharge underlying each of the Applicants' respective properties as allocated on a pro-rata per acre basis from the amounts described in the State Engineer's Determination of Facts, is as follows:

A. <u>Arroya Parcel (225.97 acres)</u>:

| Aquifer | Sand Thickness (Feet) | Total Ground Water Storage (Acre Feet) | Annual Average Withdrawal – 100 Years (Acre Feet) |
|---------------------------|-----------------------------|---|--|
| Dawson (NNT) | 270 | 12,202 | 122 |
| Denver (NNT) | 310 | 11,909 | 119.1 |
| Arapahoe (NT) | 255 | 9,796 | 98 |
| Laramie-Fox Hills (NT) | 190 | 6,440 | 64.4 |

B. West Parcel No. 1 (Decoto – 36.01 acres):

| Aquifer | Sand Thickness (Feet) | Total Ground Water Storage (Acre Feet) | Annual Average Withdrawal – 100 Years (Acre Feet) |
|---------------------------|-----------------------------|---|--|
| Dawson (NNT) | 270 | 1,944.4 | 16.44 ¹ |
| Denver (NNT) | 310 | 1,897.7 | 18.98 |
| Arapahoe (NT) | 255 | 1,561 | 15.61 |
| Laramie-Fox Hills (NT) | 190 | 1,026.2 | 10.26 |

C. West Parcel No. 2 (Decoto – 36.03 acres):

| Aquifer | Sand Thickness (Feet) | Total Ground Water Storage (Acre Feet) | Annual Average Withdrawal – 100 Years (Acre Feet) |
|---------------------------|-----------------------------|---|--|
| Dawson (NNT) | 270 | 1,945.4 | 16.45 ² |
| Denver (NNT) | 310 | 1,898.8 | 18.99 |
| Arapahoe (NT) | 255 | 1,562 | 15.62 |
| Laramie-Fox Hills (NT) | 190 | 1,026.8 | 10.27 |

D. West Parcel No. 3 (Ornes & Wahlberg – 37.58 acres):

| Aquifer | Sand Thickness (Feet) | Total Ground Water Storage (Acre Feet) | Annual Average Withdrawal – 100 Years (Acre Feet) |
|---------------------------|-----------------------------|---|--|
| Dawson (NNT) | 270 | 2,029.2 | 17.29 ³ |
| Denver (NNT) | 310 | 1,980.5 | 19.80 |
| Arapahoe (NT) | 255 | 1,629 | 16.29 |
| Laramie-Fox Hills (NT) | 190 | 1,071 | 10.7 |

Three (3) annual acre feet of Dawson groundwater has been reserved from quantification herein for permitting of an exempt domestic well on this parcel pursuant to C.R.S. §37-92-602, *et seq.*, recently permitted as DWR Permit No. 304551.

Three (3) annual acre feet of Dawson groundwater has been reserved from quantification herein for continued use of DWR Permit No. 4554 as an exempt domestic well on this parcel pursuant to C.R.S. §37-92-602, et seq.

Three (3) annual acre feet of Dawson groundwater has been reserved from quantification herein for permitting of an exempt domestic well on this parcel pursuant to C.R.S. §37-92-602, et seq., recently permitted as DWR Permit No. 304498.

- 11. Pursuant to §37-90-137(9)(c.5)(I), C.R.S., the augmentation requirements for wells in the Dawson aquifer require the replacement to the effected stream systems of actual stream depletions on an annual basis, to the extent necessary to prevent injurious effect, based upon actual aquifer conditions. The augmentation requirements for wells to the Denver aquifer are for 4% of pumping. Applicants shall not be entitled to construct a non-exempt well or use water from the not-nontributary Dawson or Denver aquifers except pursuant to an approved augmentation plan in accordance with C.R.S. §37-90-137(9)(c.5).
- 12. Applicants shall be entitled to withdraw all legally available groundwater in the Denver Basin aquifers underlying Applicants' respective properties. Said amounts can be withdrawn over the 100-year life for the aquifers as set forth in C.R.S. §37-90-137(4), or withdrawn over a longer period of time based upon local governmental regulations or Applicants' water needs. The average annual amounts of ground water available for withdrawal from the underlying Denver Basin aquifers, based upon the 100-year aquifer life is determined and set forth above, based upon the March 14, 2017 Office of the State Engineer Determination of Facts. Such groundwater may be withdrawn from wells located upon the overlying land or contiguous properties with such contiguity to allow such withdrawal, consistent with the Denver Basin Rules as promulgated by the Office of the State Engineer, as may be amended from time to time.
- 13. Applicants shall be entitled to withdraw an amount of groundwater in excess of the average annual amount decreed herein from the Denver Basin aquifers underlying Applicants' respective properties, so long as the sum of the total withdrawals from wells in the aquifer does not exceed the product of the number of years since the date of issuance of the original well permit or the date of entry of the decree herein, whichever comes first, and the annual volume of water which Applicants are entitled to withdraw from the aquifer underlying Applicants' respective properties.
- The Applicants shall have the right to use the ground water for beneficial uses on or off the Applicants' respective properties consisting of domestic, commercial, irrigation, stock water, recreation, wildlife, wetlands, fire protection, piscatorial, and for storage and augmentation associated with such uses. The amount of groundwater decreed for such uses upon the Applicants' respective properties is reasonable as such uses are to be made for the long term use and enjoyment of the Applicants' respective properties and are to establish and provide for adequate water reserves. nontributary groundwater, may be used, reused, and successively used to extinction, both on and off the Applicants' respective properties subject, however, to the relinquishment of the right to consume two percent of such nontributary water withdrawn. Applicants may use such water by immediate application or by storage and subsequent application to the beneficial uses and purposes stated herein. Provided however, as set forth above, Applicants shall only be entitled to construct a non-exempt well or use water from the not-nontributary Dawson and Denver aguifers pursuant to a decreed augmentation plan entered by the Court. Withdrawals of groundwater available from the nontributary aquifers beneath the Applicants' respective properties in the

amounts determined in accordance with the provisions of this decree will not result in material injury to any other vested water rights or to any other owners or users of water.

15. Applicants may construct such wells on their respective properties as necessary for the withdrawal of all entitlements from each aquifer as described above, and such withdrawals may be made through any combination of wells. As to each of Applicants' respective properties, these wells shall be treated as a well field.

CONCLUSIONS OF LAW

- 16. The application for adjudication of Denver Basin groundwater was filed with the Water Clerk for Water Division 2 pursuant to C.R.S. §§37-92-302(1)(a) and 37-90-137(9)(c).
- 17. The Applicants' request for adjudication of these water rights is contemplated and authorized by law, and this Court and the Water Referee have exclusive jurisdiction over these proceedings. C.R.S. §§37-92-302(1)(a), 37-92-203, and 37-92-305.
- 18. Subject to the terms of this decree, the Applicants are entitled to the sole right to withdraw all the legally available water in the Denver Basin aquifers underlying the Applicants' respective properties, and the right to use that water to the exclusion of all others subject to the terms of this decree.
- 19. The Applicants have complied with C.R.S. §37-90-137(4), and the groundwater is legally available for withdrawal by the requested nontributary well(s), and legally available for withdrawal by the requested not-nontributary well(s) upon the entry of a subsequent decree approving an augmentation plan pursuant to C.R.S. §37-90-137(9)(c.5). Applicants are entitled to a decree from this Court confirming their rights to withdraw groundwater pursuant to C.R.S. §37-90-137(4).
- 20. The Denver Basin water rights applied for in this case are not conditional water rights, but are vested water rights determined pursuant to C.R.S. §37-90-137(4). No applications for diligence are required. The claims for nontributary and not-nontributary groundwater meet the requirements of Colorado Law.
- 21. The determination and quantification of the nontributary and not-nontributary groundwater rights in the Denver Basin aquifers as set forth herein is contemplated and authorized by law. C.R.S. §§37-90-137, and 37-92-302 through 37-92-305.

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED AS FOLLOWS:

- 22. All of the foregoing Findings of Fact and Conclusions of Law are incorporated herein by reference, and are considered to be a part of this decretal portion as though set forth in full.
- 23. The Application for Adjudication of Denver Basin Groundwater proposed by the Applicants is approved, subject to the terms of this decree.
- 24. The Applicants have furnished acceptable proof as to all claims and, therefore, the Application for Adjudication of Groundwater as requested by the Applicants is granted and approved in accordance with the terms and conditions of this decree. Approval of this Application will not result in any material injury to senior vested water rights.
- 25. The Applicants shall comply with C.R.S. §37-90-137(9)(b), requiring the relinquishment of the right to consume two percent (2%) of the amount of the nontributary groundwater withdrawn. Ninety-eight percent (98%) of the nontributary groundwater withdrawn may therefore be consumed. No plan for augmentation shall be required to provide for such relinquishment.
- 26. The Court retains jurisdiction over this matter to make adjustments in the allowed average annual amount of withdrawal from the Denver Basin aquifers, either upwards or downwards, to conform to actual local aquifer characteristic, and that the Applicants need not refile, republish, or otherwise amend this application to request such adjustments.
- A. At such time as adequate data may be available, Applicant or the State Engineer may invoke the Court's retained jurisdiction as provided in this Paragraph 26 for purposes of making a final determination of water rights as to the quantities of water available and allowed average annual withdrawals from any of the Denver Basin aquifers quantified and adjudicated herein. Any person seeking to invoke the Court's retained jurisdiction for such purpose shall file a verified petition with the Court setting forth with particularity the factual basis for such final determination of Denver Basin water rights under this decree, together with the proposed decretal language to effect the petition. Within four months of the filing of such verified petition, the State Engineer's Office shall utilize such information as available to make a final determination of water rights finding, and shall provide such information to the Court, Applicant, and the petitioning party.
- B. If no protest is filed with the Court to such findings by the State Engineer's Office within sixty (60) days, this Court shall incorporate by entry of an Amended Decree such "final determination of water rights", and the provisions of this Paragraph 26 concerning adjustments to the Denver Basin ground water rights based upon local aquifer conditions shall no longer be applicable. In the event of a protest

being timely filed, or should the State Engineer's Office make no timely determination as provided in Paragraph 26.A., above, the "final determination of water rights" sought in the petition may be made by the Water Court after notice to all parties and following a full and fair hearing, including entry of an Amended Decree, if applicable in the Court's reasonable discretion.

- 27. Pursuant to C.R.S. §37-92-502(5)(a), the Applicants shall install and maintain such water measurement devices and recording devices as are deemed essential by the State Engineer or Division Engineers, and the same shall be installed and operated in accordance with instructions from said entities. Applicants are to install and maintain a totalizing flow meter on all wells, and any additional or replacement wells. Applicants are also to maintain records and provide reports to the State Engineer or Division Engineers as instructed by said entities, on at least an annual basis.
- 28. The vested water rights and water right structures decreed herein shall be subject to all applicable administrative rules and regulations, as currently in place or as may in the future be promulgated, of the offices of Colorado State and Division Engineers for administration of such water rights, to the extent such rules and regulations are uniformly applicable to other similarly situated water rights and water users.
- 29. This Ruling of Referee, when entered as a decree of the Water Court, shall be recorded in the real property records of El Paso County, Colorado. Copies of this ruling shall be mailed as provided by statute.

DATED THIS 5th day of May, 2017.

BY THE REFEREE:

Marawa P. Diranico

Mardell R. DiDomenico, Water Referee Water Division 2

DECREE

THE COURT FINDS THAT NO PROTEST WAS MADE IN THIS MATTER, THEREFOR THE FORGOING RULING IS CONFIRMED AND APPROVED, AND IS HEREBY MADE THE JUDGMENT AND DECREE OF THIS COURT.

Dated: May 31, 2017.

BY THE COURT:

LARRY C SCHWARTZ, WATER JUDGE WATER DIVISION 2

EXHIBIT A

LEGAL DESCRIPTION – ARROYA PARCEL

A PARCEL OF LAND LOCATED IN A PORTION OF THE SOUTHEAST ONE-QUARTER (SE1/4) OF SECTION 21 AND A PORTION OF THE SOUTHWEST ONE-QUARTER OF SECTION 22, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: A LINE BETWEEN THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27 AND THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SAID SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST, MONUMENTED AT THE NORTHERLY END BY A 3-1/4" ALUMINUM CAP \$TAMED "2006 ESI PLS 10376" AND MONUMENTED AT THE SOUTHERLY END BY A 3-1/4" ALUMINUM CAP STAMPED "2006 ESI PLS 10376" AND IS ASSUMED TO BEAR \$00°54'30" F. A DISTANCE OF 3925.63 FEET;

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27;
THENCE S88°38'56"W ALONG THE NORTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4), A DISTANCE OF 1047.88 FEET TO THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED;

THENCE S88°38'56"W CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 283.03 FEET TO THE NORTHWEST CORNER OF SAID SECTION 27 SAID POINT ALSO BEING A POINT ON THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 431 OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER;

THENCE ALONG THE EASTERLY AND NORTHERLY RIGHT-OF-WAY LINES OF SAID DEED THE FOLLOWING TWO (2) COURSES:

- 1. N00°37'14"W SAID LINE ALSO BEING THE WEST LINE OF THE SOUTHWEST ONE-QUARTER (SW1/4) OF SAID SECTION 22, A DISTANCE OF 30.00 FEET; 2. S89°40'23"W, A DISTANCE OF 736.82 FEET TO THE POINT OF INTERSECTION OF THE
- 2. S89°40'23"W, A BISTANCE OF 736.82 FEET TO THE POINT OF INTERSECTION OF THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 430 OF SAID COUNTY RECORDS;

THENCE N21°41'10"E ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 1798.07 FEET:

THENCE N59°58'50'E, A DISTANCE OF 694.83 FEET;

THENCE S14°30'58"E, A DISTANCE OF 567.09 FEET;

THENCE N69°36'18"E, A DISTANCE OF 603.87 FEET;

THENCE \$30°23'46"E, A DISTANCE OF 264.58 FEET;

THENCE S61°52'38"W, A DISTANCE OF 227.40 FEET;

THENCE S79°15'47"W, A DISTANCE OF 276.17 FEET;

THENCE S89°39'18"W, A DISTANCE OF 356.07 FEET;

THENCE S40°09'47"W, A DISTANCE OF 310.61 FEET;

THENCE S09°56'46"W, A DISTANCE OF 270.03 FEET;

THENCE S35°00'25"W, A DISTANCE OF 167.38 FEET;

THENCE S57°24'01"W, A DISTANCE OF 235.36 FEET;

THENCE \$27°23'34"E, A DISTANCE OF 611.29 FEET TO THE POINT OF BEGINNING;

SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 35.08 ACRES OF LAND, MORE OR LESS.

Along With:

A PARCEL OF LAND BEING THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27, THE SOUTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (SW1/4 NW1/4) OF SECTION 27, THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SECTION 27, A PORTION OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 28 AND A PORTION OF THE NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (NE1/4 NE1/4) OF SECTION 28, ALL IN TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: A LINE BETWEEN THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27 AND THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SAID SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST, MONUMENTED AT THE NORTHERLY END BY A 3-1/4" ALUMINUM CAP STAMED "2006 ESI PLS 10376" AND MONUMENTED AT THE SOUTHERLY END BY A 3-1/4" ALUMINUM CAP STAMPED "2006 ESI PLS 10376" AND IS ASSUMED TO BEAR S00°54'30"E, A DISTANCE OF 3925.63 FEET:

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27, SAID POINT ALSO BEING THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED;

THENCE S00°54'30" F ALONG THE EAST LINE OF THE WEST ONE-HALF (W1/2) OF SAID SECTION 27, A DISTANCE OF 3925.63 FEET TO THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER NW1/4 SW1/4) OF SAID SECTION 27.

THENCE \$87°35'00"W ALONG THE SOUTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4), A DISTANCE OF 1332.78 FEET TO THE SOUTHWEST CORNER OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-OUARTER (NW1/4 SW1/4);

THENCE N00°53'18"W ALONG THE WEST LINE OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4), A DISTANCE OF 1316.78 FEET TO THE NORTHWEST CORNER OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4);

THENCE S89°08'28"W ALONG THE SOUTH LINE OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4) OF SECTION 28, A DISTANCE OF 1326.68 FEET TO THE SOUTHWEST CORNER OF SAID SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4);

THENCE N00°30'49"W ALONG THE WEST LINE OF SAID SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4), A DISTANCE OF 1270.77 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN

BOOK 2678 AT PAGE 430 OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER;

THENCE N21°41'10"E ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 1450.84 FEET TO THE POINT OF INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 431 OF SAID COUNTY RECORDS;

THENCE ALONG THE SOUTHERLY AND EASTERLY RIGHT-OF-WAY LINES OF SAID DEED THE FOLLOWING TWO (2) COURSES:

1. N89°40'23"E, A DISTANCE OF 761.52 FEET TO A POINT ON THE EAST LINE OF SAID NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (NEI/4 NEI/4); 2. N00°52'58"W ALONG SAID EAST LINE, A DISTANCE OF 30.00 FEET TO THE NORTHWEST CORNER OF SAID SECTION 27;

THENCE N88°38'56"E ALONG THE NORTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW 1/4 NW 1/4), A DISTANCE OF 1330.91 FEET TO THE POINT OF BEGINNING;

SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 190.89 ACRES OF LAND, MORE OR LESS.

EXHIBIT B

LEGAL DESCRIPTION TRAILS AT TIMBERLINE WEST PARCEL 1:

A PARCEL OF LAND LOCATED IN A POPPON OF THE SOUTHEAST ONE-QUARTER (SEL/4) OF SECTION 21 AND A PORTION OF THE STATEMENT ONE-QUARTER (NET/A) OF SECTION 28, TOWNSHIP TO SOUTH, RANGE &S MEST OF THE STATEMENT, IL PASO COUNTY, COLORADO, BONG MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARNICS: THE WEST CIBE OF THE SOUTHEAST ONE-QUARTER (SET/A) OF SECTION 21, TOWNSHIP to south, rance os west is assumed to bear nodustion. A distance of ordest teet.

COMMENSORS AT THE DEFINACIT CORNER OF DAID IGUIDIEATH ONE-QUARTER (DEL/*) DAND FORT ALLOW SEENS THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED:

THENCE ND02532W ALONG THE WEST LINE OF SAID SOUTHEAST ONE-QUARTER (SEX/4); A DISTANCE OF \$50.11 FEET:

THENCE N89'40'31'E, A DISTANCE OF 2077 12 FEET TO A POINT ON THE WESTERLY BIGHT-OF-WAY LINE OF VOLUMER ROAD AS DESCRIBED IN THE DISCLIMENT RESCRIBED IN SHOOK 2678 AT PAGE 430 OF THE RECENSES OF THE EL PARO COUNTY CLERK AND RECORDER.

THENCE SET41'10'W ALONG SAID WESTERLY RIGHT-OF-WAY LINE, A DISTANCE DE 2813'88 FEET TO A POINT

ON THE EAST LINE OF THE NORTHWEST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (NWW/A NET/4) OF SAID SECTION 28:

THENCE NOTATION ALONG SAID FAST LINE, A DISTANCE OF 1217-12 FORT TO THE SQUINGAST BORRIES OF THE SIXTHMEST ONE QUARTER OF THE SOUTHEAST ONE CHARTER (SW)/A SC)/4) OF SAID SECTION 21: THENCE SECTION ALONG THE SOUTH UNE OF SAID SOUTHWEST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER (SW)/A SE1/A), A DISTANCE OF 13/13/AS FEET TO THIS POINT OF BEQUIRED.

SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 38.01 ACRES OF LAND, MORE OR LESS.

EXHIBIT C

LEGAL DESCRIPTION TRAILS AT TIMBERLINE WEST PARCEL 2:

A PARCEL OF LAND LOCATED IN A PORTION OF THE SOUTHEAST ONE-QUARTER (SC)/4) OF SECTION 21. TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO, BONG MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS. THE WEST LINE OF THE SCUTHEAST ONE-QUARTER (SET/4) OF SECTION 21, TOWNSHIP 12 SCUTH, RANGE 65 WEST IS ASSUMED TO BEAR NOO'25 32*N, A DISTANCE OF 2638.53 FEET;

SAID PARCEL OF LAND CONTAINS A CALCULATED APEA OF 36.03 ACRES OF LAND , HORE, OF YESS.

EXHIBIT D

LEGAL DESCRIPTION TRAILS AT TIMBERLINE WEST PARCEL 3:

A PARCEL OF LAND LOCATED IN A PORTION OF THE SOUTHEAST ONE GUARTER (SEL/A) OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASC COUNTY, COLORADO. BOING MORE PARTICULARLY DESORDED AS FOLLOWS:

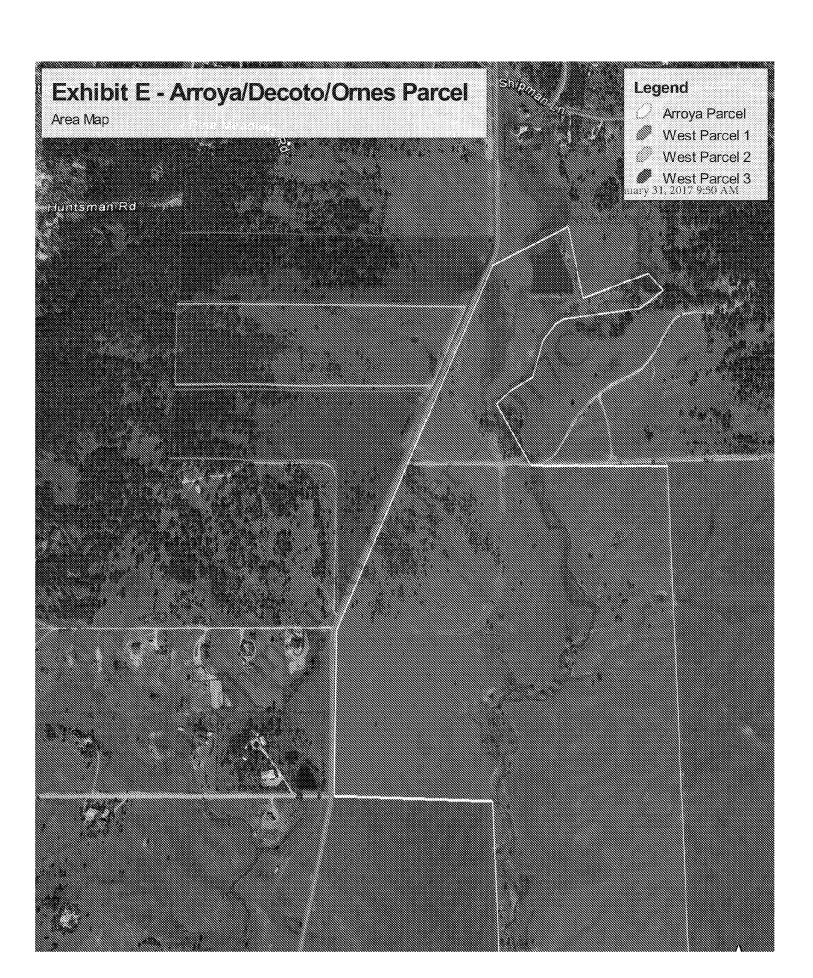
SASIS OF BEARINGS: THE WEST LINE OF THE SOUTHEAST ONE-QUARTER (SEL/A) OF SECTION 21. TOWNSHIP 12 SOUTH, RANGE 65 WEST IS ASSUMED TO SEAR NOO'25 32'W, A DISTANCE OF 2058,50 FEST.

COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHEAST ONE-QUARTER (SEL/4);
THENCE NODES 12 W ALONG THE MEST UNE OF SAID SOUTHEAST ONE-QUARTER (SEL/4), A DISTANCE OF
LISE SI TEET TO THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREN DESCRIPED;
THINCE NODES 12 W CONTRIBUTE BLONG SAID WEST UNE. A DISTANCE OF 656 30 FEET;
THENCE NORTH A DISTANCE OF 250018 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAT LINE OR
VOLUMEN ROAD AS DESCRIPED IN THE DOLUMENT RECORDED IN BOOK 2678 AT PACE 430 OF THE RECORDS. OF THE EL PASO COUNTY CLERK AND RECORDER;

DIENCE ALONG SAID WESTERLY RIGHT-OF WAY UNE THE FOLLOWING TWO (2) COUPSES: 1. SDC-3714-E, A DISTANCE OF 98-54 FEET; 2. SZI'RI'FOW, A DISTANCE OF 891-81 FEET;

THEREOF SERVOLET W. A DISTANCE OF 2384 C4 FEET TO THE HORSE OF BEGINNING

SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 17.58 ACRES OF LAND. MORE OR LESS.



218092584 8/9/2018 3:54 PM PGS 12 \$68.00 DF \$0.00

Electronically Recorded Official Records El Paso County CO Chuck Broerman, Clerk and Recorder

TD1000 N

DISTRICT COURT, WATER DIVISION 2, CO

Court Address: 501 North Elizabeth Street,

Suite 116

Pueblo, CO 81003

Phone Number: (719) 404-8832

ARROYA INVESTMENTS, LLC

DATE FILED: August 9, 2018 3:38 PM

▲ COURT USE ONLY ▲

CASE NUMBER: 2018CW3002

CONCERNING THE APPLICATION FOR WATER

RIGHTS OF:

Case No.: 18CW3002 (17CW3002)

IN EL PASO COUNTY

FINDINGS OF FACT, CONCLUSIONS OF LAW, RULING OF REFEREE AND DECREE

THIS MATTER comes before the Water Referee on the Application filed by Arroya Investments, LLC, and having reviewed said Application and other pleadings on file, and being fully advised on this matter, the Water Referee makes the following findings and orders:

GENERAL FINDINGS OF FACT

- 1. The applicant in this case is Arroya Investments, LLC, whose address is 1283 Kelly Johnson Blvd., Colorado Springs, CO 80920 ("Applicant"). Applicant is the owner of the land totaling approximately 72.5 acres (a portion of the larger 225.97-acre Arroya Parcel previously adjudicated in Case No. 17CW3002), on which the structures sought to be adjudicated herein are located, and are the owners of the place of use where the water will be put to beneficial use.
- 2. The Applicant filed this Application with the Water Court for Water Division 2 on January 9, 2018. The Application was referred to the Water Referee in Division 2 on or about January 18, 2018.
- 3. The time for filing statements of opposition to the Application expired on the last day of March 2018. No Statements of Opposition were timely filed.
- 4. On January 18, 2018, the Water Court, Division 2 ordered that publication occur in the *Daily Transcript* within El Paso County.
- 5. The Clerk of this Court has caused publication of the Application filed in this matter as provided by statute and the publication costs have been paid. On February 15, 2018, proof of publication in the *Daily Transcript* was filed with Water

Court Division 2. All notices of the Application have been given in the manner required by law.

- 6. Pursuant to C.R.S. §37-92-302(4), the office of the Division Engineer for Water Division 2 has filed its Consultation Report dated May 2, 2018, with the Court, and a Response to the Consultation Report was filed by the Applicant on June 26, 2018. Both the Consultation Report and Response have been considered by the Water Referee in the entry of this Ruling.
- 7. The Water Court has jurisdiction over the subject matter of these proceedings and over all who have standing to appear as parties whether they have appeared or not. The land and water rights involved in this case are not within a designated groundwater basin.
- 8. The Applicant, consistent with the decree entered in Case No. 17CW3002, seeks to utilize ground water rights granted therein for the construction of Timber Ridge Wells Nos. 1 through 29 to the Dawson aquifer, and additional or replacement wells associated therewith, for withdrawal of Applicant's full entitlements of supply under the plan for augmentation sought herein.
- 9. The land overlying the groundwater subject to the adjudication in this case is owned by the Applicant and was previously quantified in Case No. 17CW3002, which concerned a 225.97 acre parcel of land located in El Paso County, Colorado ("Arroya Parcel"). The land relevant to this decree consists of an approximately 72.5 acre portion of the larger Arroya Parcel as described in Case No. 17CW3002, located in a portion of the SE¼ of Section 21 and a portion of the SW¼ of Section 22, Township 12 South, Range 65 West of the 6th P.M., El Paso County, Colorado, as more particularly described on the attached **Exhibit A**, and depicted on the attached **Exhibit B** map ("Subject Property"). Applicant intends to subdivide the property into up to twenty-nine (29) lots of approximately 2.5 acres each. All groundwater adjudicated herein shall be withdrawn from the overlying land.
- 10. <u>Timber Ridge Wells Nos. 1 through 29</u>: Each of the Timber Ridge Wells Nos. 1 through 29 are to be constructed to the not-nontributary Dawson aquifer pursuant to the Plan for Augmentation decreed herein to provide domestic water supplies to a single family residence to be located upon the subdivided Subject Property. Upon entry of this decree and submittal by the Applicant of a complete well permit application and filing fee, the State Engineer shall issue a revised permit for Timber Ridge Wells Nos. 1 through 29 pursuant to C.R.S. §37-90-137(4), consistent with and references the Plan for Augmentation decreed herein.

PLAN FOR AUGMENTATION

11. The structures to be augmented are Timber Ridge Wells Nos. 1 through 29 in the not-nontributary Dawson aquifer underlying the Applicant's Property, along with any additional or replacement wells associated therewith.

- 12. Pursuant to C.R.S. §37-90-137(9)(c.5), the augmentation obligation for Timber Ridge Wells Nos. 1 through 29, and any additional or replacement wells constructed to the Dawson aquifer requires the replacement of actual stream depletions to the extent necessary to prevent any injurious effect. The water rights to be used for augmentation during pumping are the septic return flows of the not-nontributary Timber Ridge Wells Nos. 1 through 29, to be pumped as set forth in this plan for augmentation. The water rights to be used for augmentation after pumping are a reserved portion of Applicant's nontributary water rights in the Laramie-Fox Hills aquifers. Applicant shall provide for the augmentation of stream depletions caused by pumping the Timber Ridge Wells Nos. 1 through 29 as approved herein. Water use criteria as follows:
- A. <u>Use</u>: The Timber Ridge Wells Nos. 1 through 29 may each pump up to 0.32 acre feet of water per year, for a maximum total of 9.32 acre feet being withdrawn from the Dawson aquifer annually. Households will utilize up to 0.26 acre feet of water per year per residence, with the additional pumping available for landscape irrigation, the watering of horses or equivalent livestock, and other beneficial uses decreed in 17CW3002 at each residence. The foregoing figures assume the use of 29 septic systems, with resulting return flows from each. Should Applicant subdivide Applicant's property into fewer than 29 lots, both depletions and return flows for the replacement of the same will be correspondingly reduced, though pumping for uses other than household use may be increased provided at all times septic return flows shall replace the maximum depletions resulting from pumping.
- B. <u>Depletions</u>: Applicant has determined that maximum stream depletions over the 300-year pumping period will amount to approximately fifty-six percent (56%) of pumping. Maximum annual depletions for total residential pumping from all wells is therefore 5.22 acre feet in year 300. Should Applicant's pumping be less than the 0.32 acre feet per lot described herein, or should fewer lots be developed, resulting depletions and required replacements will be correspondingly reduced.
- C. <u>Augmentation of Depletions During Pumping Life of Wells</u>: Depletions during pumping will be effectively replaced by residential return flows from non-evaporative septic systems. The annual consumptive use for non-evaporative septic systems is 10% per year per residence. At a conservatively estimated household use rate of 0.18 acre feet per residence per year (rather than the full 0.26 acre feet annually), a total of 5.22 acre feet is replaced to the stream system per year, utilizing non-evaporative septic systems, assuming all 29 wells are utilized. With maximum depletions from the pumping of 29 wells at 0.18 acre feet, and anticipated replacement of 5.22 acre feet annually, during pumping, stream depletions will be adequately augmented.
- D. <u>Augmentation of Post Pumping Depletions</u>: This plan for augmentation shall have a pumping period of a minimum of 300 years. For the replacement of any injurious post-pumping depletions which may be associated with the use of the Timber Ridge Wells Nos. 1 through 29, Applicant will reserve up to 2,796

acre feet of water from the nontributary Laramie Fox Hills aquifer, less actual stream depletions replaced during the plan pumping period as necessary to replace any injurious post pumping depletions. Applicant also reserves the right to substitute other legally available augmentation sources for such post pumping depletions upon further approval of the Court under its retained jurisdiction. Even though this reservation is made, under the Court's retained jurisdiction, Applicant reserves the right in the future to prove that post pumping depletions will be noninjurious. The reserved nontributary Laramie-Fox Hills groundwater will be used to replace any injurious post-pumping depletions. Upon entry of a decree in this case, the Applicant will be entitled to apply for and receive a new well permit for the Timber Ridge Wells Nos. 1 through 29 for the uses in accordance with this Application and otherwise in compliance with C.R.S. §37-90-137.

- 13. This decree, upon recording, shall constitute a covenant running with Applicant's Property, benefitting and burdening said land, and requiring construction of well(s) to the nontributary Laramie-Fox Hills aquifer and pumping of water to replace any injurious post-pumping depletions under this decree. Subject to the requirements of this decree, in order to determine the amount and timing of post-pumping replacement obligations, if any, under this augmentation plan, Applicant or its successors shall use information commonly used by the Colorado Division of Water Resources for augmentation plans of this type at the time. Pursuant to this covenant, the water from the nontributary Laramie-Fox Hills aquifer reserved herein may not be severed in ownership from the overlying subject property. This covenant shall be for the benefit of, and enforceable by, third parties owning vested water rights who would be materially injured by the failure to provide for the replacement of post-pumping depletions under the decree, and shall be specifically enforceable by such third parties against the owner of the Applicant's Property.
- 14. Applicant or its successors shall be required to initiate pumping from the Laramie-Fox Hills aquifer for the replacement of post-pumping depletions when either: (i) the absolute total amount of water available from the Dawson aquifer allowed to be withdrawn under the plan for augmentation decreed herein has been pumped; (ii) the Applicant or its successors in interest have acknowledged in writing that all withdrawals for beneficial use through the Timber Ridge Wells Nos. 1 through 29 have permanently ceased, (iii) a period of 10 consecutive years where either no withdrawals of groundwater has occurred, or (iv) accounting shows that return flows from the use of the water being withdrawn is insufficient to replace depletions caused by the withdrawals that already occurred.
- 15. Accounting and responsibility for post-pumping depletions in the amount set forth herein shall continue for the shortest of the following periods: (i) the period provided by statute; (ii) the period specified by any subsequent change in statute; (iii) the period required by the Court under its retained jurisdiction; (iv) the period determined by the State Engineer; or (v) the period as established by Colorado Supreme Court final decisions. Should Applicant's obligation hereunder to account for and replace such post-pumping stream depletions be abrogated for any reason, then

the Laramie-Fox Hills aquifer groundwater reserved for such a purpose shall be free from the reservation herein and such groundwater may be used or conveyed by its owner without restriction for any post-pumping depletions.

- 16. The term of this augmentation plan is for a minimum of 300 years, however, the length of the plan for a particular well or wells may be extended beyond such time provided the total plan pumping allocated to such well or wells is not exceeded. Should the actual operation of this augmentation plan depart from the planned diversions described herein such that annual diversions are increased or the duration of the plan is extended, the Applicant must prepare and submit a revised model of stream depletions caused by the actual pumping schedule. This analysis must utilize depletion modeling acceptable to the State Engineer, and to this Court, and must represent the water use under the plan for the entire term of the plan to date. The analysis must show that return flows have equaled or exceeded actual stream depletions throughout the pumping period and that reserved nontributary water remains sufficient to replace post-pumping depletions.
- 17. Consideration has been given to the depletions from Applicant's use and proposed uses of water, in quantity, time and location, together with the amount and timing of augmentation water which will be provided by the Applicant, and the existence, if any, injury to any owner of or person entitled to use water under a vested water right.
- 18. It is determined that the timing, quantity and location of replacement water under the protective terms in this decree are sufficient to protect the vested rights of other water users and eliminate material injury thereto. The replacement water shall be of a quantity and quality so as to meet the requirements for which the water of senior appropriators has normally been used, and provided of such quality, such replacement water shall be accepted by the senior appropriators for substitution for water derived by the exercise of the Timber Ridge Wells Nos. 1 through 29. As a result of the operation of this plan for augmentation, the depletions from the Timber Ridge Wells Nos. 1 through 29 and any additional or replacement wells associated therewith will not result in material injury to the vested water rights of others.

CONCLUSIONS OF LAW

- 19. The Applicant's request for adjudication of the plan for augmentation decreed herein is contemplated and authorized by law, and this Court and the Water Referee have exclusive jurisdiction over these proceedings. C.R.S. §§37-92-302(1)(a), 37-92-203, and 37-92-305.
- 20. Subject to the terms of the 17CW3002 decree, the Applicant is entitled to the sole right to withdraw all the legally available water in the Denver Basin aquifers underlying the Applicant's Property, and the right to use that water to the exclusion of all others subject to the terms of said 17CW3002 decree.

21. The Applicant's request for approval of a plan for augmentation is contemplated and authorized by law. If administered in accordance with this decree, this plan for augmentation will permit the uninterrupted diversions from the Timber Ridge Wells Nos. 1 through 29 without adversely affecting any other vested water rights in the Arkansas River or its tributaries and when curtailment would otherwise be required to meet a valid senior call for water. C.R.S. §§37-92-305(3),(5), and (8).

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED AS FOLLOWS:

- 22. All of the foregoing Findings of Fact and Conclusions of Law are incorporated herein by reference, and are considered to be a part of this decretal portion as though set forth in full.
- 23. The Application for Adjudication of Denver Basin Groundwater and for Approval of Plan for Augmentation proposed by the Applicant is approved, subject to the terms of this decree.
- 24. The Applicant has furnished acceptable proof as to all claims and, therefore, the Application for Adjudication of Groundwater and Plan for Augmentation, as requested by the Applicant, is granted and approved in accordance with the terms and conditions of this decree. Approval of this Application will not result in any material injury to senior vested water rights.
- 25. The Applicant shall comply with C.R.S. §37-90-137(9)(b), requiring the relinquishment of the right to consume two percent (2%) of the amount of the nontributary groundwater withdrawn. Ninety-eight percent (98%) of the nontributary groundwater withdrawn may therefore be consumed. No plan for augmentation shall be required to provide for such relinquishment.
- 26. The State Engineer, the Division Engineer, and/or the Water Commissioner shall not curtail the diversion and use of water covered by the Timber Ridge Wells Nos. 1 through 29 so long as the return flows from the annual diversions associated with the Timber Ridge Wells Nos. 1 through 29 accrue to the stream system pursuant to the conditions contained herein. To the extent that Applicant or one of its successors or assigns is ever unable to provide the replacement water required, then the Timber Ridge Wells Nos. 1 through 29 shall not be entitled to operate under the protection of this plan, and shall be subject to administration and curtailment in accordance with the laws, rules, and regulation of the State of Colorado. Pursuant to C.R.S. §37-92-305(8), the State Engineer shall curtail all out-of-priority diversions which are not so replaced as to prevent injury to vested water rights. In order for this plan for augmentation to operate, return flows from the one or both of the septic systems discussed herein, as appropriate, shall at all times during pumping be in an amount sufficient to replace the amount of stream depletions.

- 27. Pursuant to C.R.S. §37-92-304(6), the Court shall retain continuing jurisdiction over the plan for augmentation decreed herein for reconsideration of the question of whether the provisions of this decree are necessary and/or sufficient to prevent injury to vested water rights of others, as pertains to the use of Denver Basin groundwater supplies adjudicated herein, including for augmentation purposes.
- Except as otherwise specifically provided in Paragraph 28, above, pursuant to the provisions of C.R.S. §37-92-304(6), this plan for augmentation decreed herein shall be subject to the reconsideration of this Court on the guestion of material injury to vested water rights of others, for a period of five (5) years, except as otherwise provided herein. Any person, within such period, may petition the Court to invoke its retained jurisdiction. Any person seeking to invoke the Court's retained jurisdiction shall file a verified petition with the Court setting forth with particularity the factual basis for requesting that the Court reconsider material injury to petitioner's vested water rights associated with the operation of this decree, together with proposed decretal language to effect the petition. The party filing the petition shall have the burden of proof of going forward to establish a prima facie case based on the facts alleged in the petition. If the Court finds those facts are established, Applicant shall thereupon have the burden of proof to show: (i) that the petitioner is not materially injured, or (ii) that any modification sought by the petitioner is not required to avoid material injury to the petitioner, or (iii) that any term or condition proposed by Applicant in response to the petition does avoid material injury to the petitioner. The Division of Water Resources as a petitioner shall be entitled to assert material injury to the vested water rights of others. If no such petition is filed within such period and the retained jurisdiction period is not extended by the Court in accordance with the revisions of the statute, this matter shall become final under its own terms.
- 29. Pursuant to C.R.S. §37-92-502(5)(a), the Applicant shall install and maintain such water measurement devices and recording devices as are deemed essential by the State Engineer or Division Engineers, and the same shall be installed and operated in accordance with instructions from said entities. Applicant is to install and maintain a totalizing flow meters on all Timber Ridge Wells or any additional or replacement wells associated therewith. Applicant is also to maintain records and provide reports to the State Engineer or Division Engineers as instructed by said entities, on at least an annual basis.
- 30. The vested water rights, water right structures, and plan for augmentation decreed herein shall be subject to all applicable administrative rules and regulations, as currently in place or as may in the future be promulgated, of the offices of Colorado State and Division Engineers for administration of such water rights, to the extent such rules and regulations are uniformly applicable to other similarly situated water rights and water users.
- 31. This Ruling of Referee, when entered as a decree of the Water Court, shall be recorded in the real property records of El Paso County, Colorado. Copies of this ruling shall be mailed as provided by statute.

DATED THIS 18th day of July, 2018.

BY THE REFEREE:

Margar R. Ditmorico

Mardell R. DiDomenico, Water Referee Water Division 2

WATER DIVISION 2

DECREE

THE COURT FINDS THAT NO PROTEST WAS MADE IN THIS MATTER, THEREFOR THE FORGOING RULING IS CONFIRMED AND APPROVED, AND IS HEREBY MADE THE JUDGMENT AND DECREE OF THIS COURT.

Dated: August 9th, 2018.

EXHIBIT A

LEGAL DESCRIPTION – ARROYA PARCEL

A PARCEL OF LAND LOCATED IN A PORTION OF THE SOUTHEAST ONE-QUARTER (SE1/4) OF SECTION 21 AND A PORTION OF THE SOUTHWEST ONE-QUARTER OF SECTION 22, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: A LINE BETWEEN THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27 AND THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SAID SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST, MONUMENTED AT THE NORTHERLY END BY A 3-1/4" ALUMINUM CAP STAMED "2006 ESI PLS 10376" AND MONUMENTED AT THE SOUTHERLY END BY A 3-1/4" ALUMINUM CAP STAMPED "2006 ESI PLS 10376" AND IS ASSUMED TO BEAR S00°54'30"E, A DISTANCE OF 3925.63 FEET:

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27; THENCE S88°38'56"W ALONG THE NORTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4), A DISTANCE OF 1047.88 FEET TO THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED;

THENCE S88°38'56"W CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 283.03 FEET TO THE NORTHWEST CORNER OF SAID SECTION 27 SAID POINT ALSO BEING A POINT ON THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 431 OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER;

THENCE ALONG THE EASTERLY AND NORTHERLY RIGHT-OF-WAY LINES OF SAID DEED THE FOLLOWING TWO (2) COURSES:

1. N00°37'14"W SAID LINE ALSO BEING THE WEST LINE OF THE SOUTHWEST ONE-QUARTER (SW1/4) OF SAID SECTION 22, A DISTANCE OF 30.00 FEET; 2. S89°40'23"W, A DISTANCE OF 736.82 FEET TO THE POINT OF INTERSECTION OF THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 430 OF SAID COUNTY RECORDS;

THENCE N21°41'10"E ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 1798.07 FEET:

THENCE N59°58'50"E, A DISTANCE OF 694.83 FEET:

THENCE \$14°30'58"E, A DISTANCE OF 567.09 FEET;

THENCE N69°36'18"E, A DISTANCE OF 603.87 FEET;

THENCE S30°23'46"E, A DISTANCE OF 264.58 FEET:

THENCE S61°52'38"W, A DISTANCE OF 227.40 FEET;

THENCE S79°15'47"W, A DISTANCE OF 276.17 FEET;

THENCE S89°39'18"W, A DISTANCE OF 356.07 FEET;

THENCE S40°09'47"W, A DISTANCE OF 310.61 FEET;

THENCE S09°56'46"W, A DISTANCE OF 270.03 FEET;

THENCE S35°00'25"W, A DISTANCE OF 167.38 FEET;

THENCE S57°24'01"W, A DISTANCE OF 235.36 FEET;

THENCE \$27°23'34"E, A DISTANCE OF 611.29 FEET TO THE POINT OF BEGINNING;

SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 35.08 ACRES OF LAND, MORE OR LESS.

Along With:

A PARCEL OF LAND BEING THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27, THE SOUTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (SW1/4 NW1/4) OF SECTION 27, THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SECTION 27, A PORTION OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 28 AND A PORTION OF THE NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (NE1/4 NE1/4) OF SECTION 28, ALL IN TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: A LINE BETWEEN THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27 AND THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SAID SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST, MONUMENTED AT THE NORTHERLY END BY A 3-1/4" ALUMINUM CAP STAMED "2006 ESI PLS 10376" AND MONUMENTED AT THE SOUTHERLY END BY A 3-1/4" ALUMINUM CAP STAMPED "2006 ESI PLS 10376" AND IS ASSUMED TO BEAR S00°54'30"E, A DISTANCE OF 3925.63 FEET;

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27, SAID POINT ALSO BEING THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED;

THENCE S00°54'30"E ALONG THE EAST LINE OF THE WEST ONE-HALF (W1/2) OF SAID SECTION 27, A DISTANCE OF 3925.63 FEET TO THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER NW1/4 SW1/4) OF SAID SECTION 27;

THENCE S87°35'00"W ALONG THE SOUTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4), A DISTANCE OF 1332.78 FEET TO THE SOUTHWEST CORNER OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4);

THENCE N00°53'18"W ALONG THE WEST LINE OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4), A DISTANCE OF 1316.78 FEET TO THE NORTHWEST CORNER OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-OUARTER (NW1/4 SW1/4):

THENCE S89°08'28"W ALONG THE SOUTH LINE OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4) OF SECTION 28, A DISTANCE OF 1326.68 FEET TO THE SOUTHWEST CORNER OF SAID SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4);

THENCE N00°30'49"W ALONG THE WEST LINE OF SAID SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4), A DISTANCE OF 1270.77 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN

BOOK 2678 AT PAGE 430 OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER:

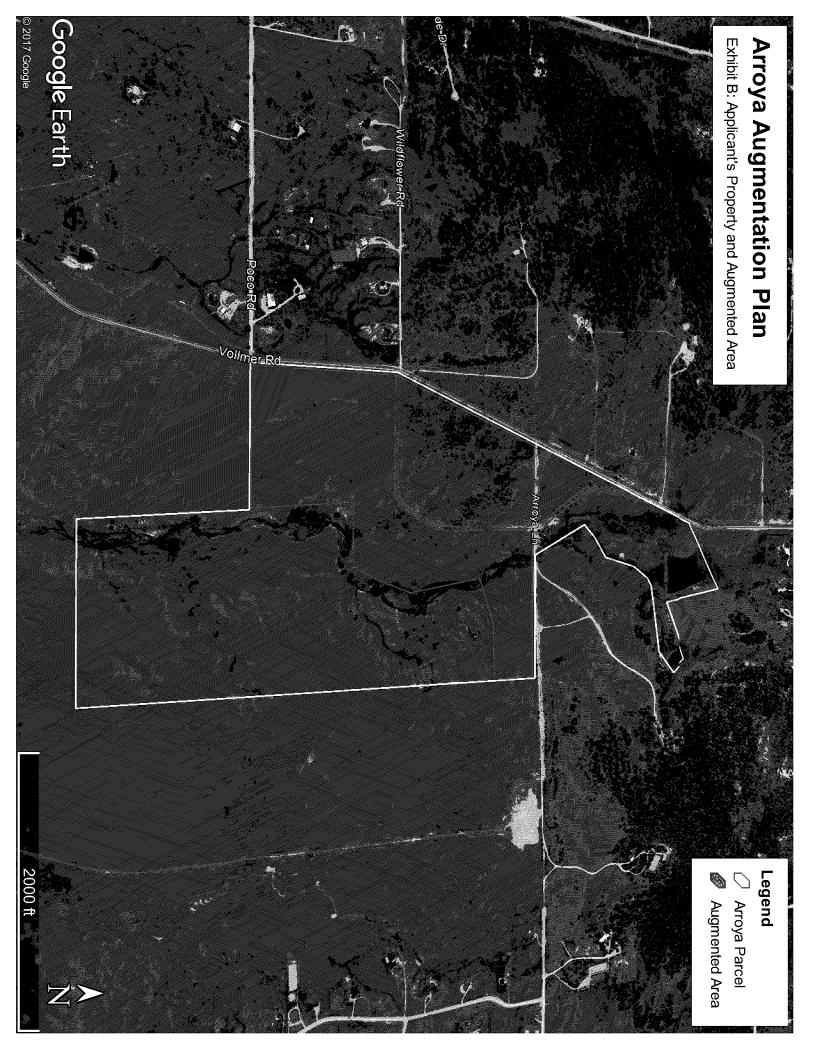
THENCE N21°41'10"E ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 1450.84 FEET TO THE POINT OF INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 431 OF SAID COUNTY RECORDS;

THENCE ALONG THE SOUTHERLY AND EASTERLY RIGHT-OF-WAY LINES OF SAID DEED THE FOLLOWING TWO (2) COURSES:

1. N89°40'23"E, A DISTANCE OF 761.52 FEET TO A POINT ON THE EAST LINE OF SAID NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (NE1/4 NE1/4); 2. N00°52'58"W ALONG SAID EAST LINE, A DISTANCE OF 30.00 FEET TO THE NORTHWEST CORNER OF SAID SECTION 27;

THENCE N88°38'56"E ALONG THE NORTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4), A DISTANCE OF 1330.91 FEET TO THE POINT OF BEGINNING;

SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 190.89 ACRES OF LAND, MORE OR LESS.



| DISTRICT COURT, WATER DIVISION 2 Court Address: 501 N. Elizabeth Street, Suite 116 Pueblo, CO 81003 | |
|---|--------------------|
| CONCERNING THE APPLICATION FOR WATER RIGHTS OF: | |
| STERLING RANCH METROPOLITAN DISTRICT NO. 1 | |
| IN EL PASO COUNTY | ▲ COURT USE ONLY ▲ |
| Attorneys for Applicant: Chris D. Cummins, #35154 Emilie B. Polley, #51296 Monson, Cummins & Shohet, LLC 13511 Northgate Estates Dr., Ste. 250 Colorado Springs, CO 80921 | Case No: 20CW |

APPLICATION FOR ADJUDICATION OF WATER STORAGE RIGHTS AND APPROVAL OF PLAN FOR AUGMENTATION

I. NAME, ADDRESS AND TELEPHONE NUMBER OF APPLICANTS

Sterling Ranch Metropolitan District No. 1 20 Boulder Crescent, # 200 Colorado Springs, Colorado 80903 (719) 471-1742

Phone Number: (719) 471-1212 Fax Number: (719)471-1234 E-mail: cdc@cowaterlaw.com

ebp@cowaterlaw.com

Name, Address and Telephone Number of Applicants' Attorneys:

MONSON, CUMMINS & SHOHET, LLC Chris D. Cummins, #35154 Emilie B. Polley, #51296 13511 Northgate Estates Dr., Ste. 250 Colorado Springs, CO 80921 (719) 471-1212 II. <u>APPLICATION FOR SURFACE WATER STORAGE RIGHTS</u>. Applicant ("Applicant", "SRMD" or "District") seeks to adjudicate two surface water storage rights in EI Paso County, Colorado, for existing on-channel storage structures located within the District, and/or on land located within affiliated Sterling Ranch Metropolitan District Nos. 2 and 3.

A. Name of Structure: SRMD Pond No. 1

- 1. <u>Legal Description of Structure</u>: SMRD Pond No. 1 is located in the NE¼ SW¼ and the NW¼ SE¼ of Section 33, Township 12 South, Range 65 West of the 6th P.M. with the center of the embankment at a point approximately 1,450 feet from the south section line of said Section 33, and approximately 2,590 feet from the east section line of said Section 33, in El Paso County, Colorado.
- 2. <u>Source</u>: The source for filling and re-filling of this existing on-channel structure is Sand Creek, a tributary of Fountain Creek, tributary to the Arkansas River.
- 3. <u>Date of Initiation of Appropriation</u>: On or before February 28, 2020, the date of the filing of this Application.
- 4. <u>Amount Claimed</u>: 12.25 acre feet, absolute, with the right to fill and refill, and freshening flows.
- 5. <u>Uses</u>: All municipal uses, including but expressly not limited to, domestic, commercial, industrial, recreation, fish propagation, stockwater, wetlands, wildlife habitat, fire protection, and irrigation and for augmentation purposes.
- 6. <u>Pond Specifications</u>: SRMD Pond No. 1 has a maximum surface area at the high water line of approximately 2.51 acres. The maximum height of the dam is approximately 10 feet and the length of the dam is approximately 510 feet.
- 7. <u>Total Capacity of Pond</u>: Approximately 12.25 acre feet, all of which is dead storage.
- 8. <u>Land Ownership</u>: The land upon which all points of diversion and places of use are located are within the boundaries of the District, and within the ownership and control of Applicant, as set forth in Section I of this Application.

B. Name of Structure: SRMD Pond No. 2

1. <u>Legal Description of Structure</u>: SMRD Pond No. 2 is located in the SE¼ SE¼ of Section 28, Township 12 South, Range 65 West of the 6th P.M. at a point approximately 115 feet from the south section line of said Section 28, and approximately156 feet from the east section line of said Section 28, in El Paso County, Colorado.

- 2. <u>Source</u>: The source for filling and re-filling of this existing on-channel structure is Sand Creek, a tributary of Fountain Creek, tributary to the Arkansas River.
- 3. <u>Date of Initiation of Appropriation</u>: On or before February 28, 2020, the date of the filing of this Application.
- 4. <u>Amount Claimed</u>: 4.29 acre feet, absolute, with the right to fill and refill, and freshening flows.
- 5. <u>Uses</u>: All municipal uses, including but expressly not limited to, domestic, commercial, industrial, recreation, fish propagation, stockwater, wetlands, wildlife habitat, fire protection, and irrigation and augmentation purposes.
- 6. <u>Pond Specifications</u>: SRMD Pond No. 2 has a maximum surface area at the high water line of approximately 1.30 acres. The maximum height of the dam is approximately 10 feet and the length of the dam is approximately 155 feet.
- 7. <u>Total Capacity of Pond</u>: Approximately 4.29 acre feet, all of which is dead storage.
- 8. <u>Land Ownership</u>: The land upon which all points of diversion and places of use are located are within the boundaries of the District, and within the ownership and control of Applicant, as set forth in Section I of this Application.

III. <u>APPLICATION FOR ADJUDICATION OF DENVER BASIN GROUND WATER</u> RIGHTS

A. <u>Summary of Application</u>: Applicant seeks adjudication of all Denver Basin groundwater underlying real property referenced herein as the "SR Quarry Parcel") more particularly described in **Exhibit A** and shown on the **Exhibit B** district map, attached hereto. Applicant requests a vested right for the withdrawal of all legally available ground water in the Denver Basin aquifers underlying the SR Quarry Parcel, being approximately 97.54 acres located in the S½ SW¼ and the SW¼ SE¼ in Township 12 South, Range 65 West of the 6th P.M.

B. Permitted Wells:

- 1. There is one permitted well located on the SR Quarry Parcel, DWR Permit No. 26947-F, constructed to the Denver aquifer.
- 2. Applicant may construct an undetermined quantity of wells to one or more of the Denver Basin aquifers to be quantified herein underlying the SR Quarry Parcel, as necessary to withdraw Applicant's full entitlement from each respective aquifer, subject to the plan for augmentation sought herein. To the extent wells or well

fields constructed on nearby property owned or controlled by Applicant and its affiliates have or are legally interpreted to have contiguity, Applicant seeks the right to withdraw all groundwater entitlements quantified herein from such contiguous wells. Applicant requests that such wells to each respective aquifer be considered a Well Field, and requests waiver of the 600-foot spacing rule with regards to wells properly and solely located within the District and its affiliates, including the SR Quarry Parcel.

C. Water Source:

- 1. <u>Not-nontributary</u>. The ground water that will be withdrawn from the Dawson aquifer, Denver aquifer, and the Arapahoe aquifer underlying the SR Quarry Parcel is not-nontributary. Pursuant to C.R.S. §37-90-137(9)(c.5), the augmentation requirements for wells in the Dawson, Denver and Arapahoe aquifers adjudicated herein will require the replacement of out-of-priority stream depletions caused by withdrawals. However, only the Denver and Arapahoe aquifers quantified and described herein are subject of the plan for augmentation adjudicated herein. No withdrawals of Dawson water supplies shall be made except pursuant to a subsequently awarded plan for augmentation.
- 2. <u>Nontributary</u>. The groundwater contained in the Laramie-Fox Hills aquifer of the Denver Basin underlying the SR Quarry Parcel is nontributary.

D. Estimated Rates of Withdrawal and Ground Water Available:

- 1. <u>Estimated Rates of Withdrawal</u>. The pumping rates for wells to be completed to each aquifer are estimated to be between 15 and 250 gpm. The actual pumping rate for each well will vary according to aquifer conditions and well production capabilities. The Applicant requests the right to withdraw ground water at rates of flow necessary to withdraw the entire decreed amounts, which may be less than or exceed the above estimates. The actual depth of each well to be constructed within the respective aquifers will be determined by actual aquifer conditions.
- 2. Estimated Average Annual Amounts of Ground Water Available. Applicant requests an absolute water right for the withdrawal of all legally available ground water in the not-nontributary Dawson, Denver, and Arapahoe aquifers, and in the nontributary Laramie-Fox Hills aquifer underlying the SR Quarry Parcel. Said amounts may be withdrawn over the 100-year life of the aquifers as set forth in C.R.S. §37-90-137(4), or may be withdrawn over the 300-year life of the aquifers as required by El Paso County, Colorado Land Development Code §8.4.7(C)(1) which is more stringent than the State of Colorado's 100-year life requirement. The estimated average annual amounts of ground water available for withdrawal from the underlying Denver Basin aquifers will be based upon the Denver Basin Rules. Applicant estimates that the following values and average annual amounts are representative of the Denver Basin aquifers underlying the SR Quarry Parcel:

| AQUIFER | NET SAND (Feet) | Total Appropriation (Acre Feet) | Annual Avg. Withdrawal 100 Years (Acre Feet) | Annual Avg. Withdrawal 300 Years (Acre Feet) |
|---------------------------|--------------------|---------------------------------------|--|--|
| Dawson (NNT) | 51.3 | 1,001 | 10.01 | 3.34 |
| Denver (NNT) | 295.2 | 4,895 | 48.95 | 16.32 |
| Arapahoe (NNT) | 260.5 | 4,320 | 43.20 | 14.40 |
| Laramie Fox Hills (NT) | 190 | 2,780 | 27.80 | 9.27 |

Decreed amounts may vary from the above to conform with the State's Determination of Facts. Pursuant to C.R.S. §37-92-305(11), the Applicant further requests that the Court retain jurisdiction to finally determine the amount of water available for appropriation and withdrawal from each aquifer.

- E. Requested Uses: The Applicant requests the right to use the ground water quantified herein for all beneficial municipal uses including, without limitation, domestic, commercial, industrial, irrigation of any irrigable acreage within the District boundaries or District service area, stock water, recreation, fish and wildlife propagation, fire protection, central water supply for such uses and also for exchange, aquifer recharge, replacement, and augmentation purposes. Applicant may use such water by immediate application or by storage and subsequent application to the beneficial uses and purposes stated herein. Provided, however, Applicant shall only be entitled to construct a well or use water from the not-nontributary Dawson, Denver, and Arapahoe aquifers pursuant to a decreed augmentation plan, such as adjudicated herein as to the Denver and Arapahoe aquifers, adequately replacing all injurious stream depletions resulting from the use of such not-nontributary aquifers, in accordance with C.R.S. §37-90-137(9)(c.5).
- F. Well Fields: Applicant requests that it be permitted to produce the full legal entitlement from the Denver Basin aquifers underlying the District and its affiliates, including the SR Quarry Parcel, through any combination of wells. Applicant requests that these wells to each respective aquifer be treated as a well field, including wells located on contiguous property within the District and its affiliates, as now comprised, or as may be in the future included.
- G. Averaging of Wells. Applicant requests that it be entitled to withdraw an amount of ground water in excess of the average annual amount decreed to the aquifers beneath the SR Quarry Parcel, so long as the sum of the total withdrawals from all the wells in the aquifers does not exceed the product of the number of years since the date of issuance of the original well permit or the date of entry of a decree herein, whichever comes first, multiplied by the average annual volume of water which the Applicant is entitled to withdraw from the aquifers underlying the SR Quarry Parcel.

H. <u>Description of Land Overlying Subject Ground Water</u>: The SR Quarry Parcel overlying the Denver Basin ground water which is the subject of this section of this Application consists of approximately 97.54 acres as described above, as more specifically described in attached **Exhibit A** and depicted on attached **Exhibit B**.

IV. APPLICATION FOR APPROVAL OF PLAN FOR AUGMENTATION

- A. Relevant Background/Summary of Augmentation Plan: Applicant seeks approval of a plan for augmentation for depletions associated with municipal use of Denver Basin ground water underlying land included within the District, as well as underlying Sterling Range Metropolitan District Nos. 2 and 3, and underlying the SR Quarry Parcel described above, to support development of land served by the District. Such augmentation will utilize not-nontributary and nontributary water supplies described herein, as well as re-usable and fully consumable augmented lawn irrigation return flows. Augmented structures will include not-nontributary wells and the two existing ponds located within the District, as described in Paragraphs II.A-B, above.
- Augmentation/Replacement Supplies. The plan for augmentation requested herein will utilize as a source of replacement supplies previously quantified and adjudicated Denver Basin groundwater underlying the real property included within the District and its affiliates, additional previously adjudicated Denver Basin groundwater supplies underlying a property located outside of the District referenced herein as the Bar X Parcel, and underlying the SR Quarry Parcel, as described herein. All such properties are more specifically described in the Exhibit A legal descriptions, as attached hereto, and depicted on the attached Exhibit B Area Map. The Denver Basin groundwater underlying the Bar X Parcel was previously adjudicated in Case No. 93CW18 by the Division 1 Water Court, which amended prior Case No. 85CW445. The Denver Basin groundwater underlying the District and its affiliates was previously adjudicated by the Division 2 Water Court in Case Nos. 86CW18, 86CW19, and 08CW113, and quantification of the Denver Basin groundwater underlying the SR Quarry Parcel is described above. Applicant owns and controls all Denver Basin supply underlying the District and its affiliates, and underlying the SR Quarry Parcel, and owns, controls, or has options upon the Denver Basin groundwater underlying the Bar X Parcel, as previously adjudicated in Case No. 93CW018, amending Case No. 85CW445, Water Division No. 1.
- 1. Specifically, the District and/or its affiliates owns or controls the following nontributary Denver Basin groundwater supplies underlying the Bar X Parcel:

| Aquifer/Status | | Total Allocation (AF) |
|---|----------------|--|
| Denver Arapahoe Laramie-Fox Hills | NT NT NT | 136,000 acre feet 81,300 acre feet <u>42,700</u> acre feet |
| BAR | X TOTAL: | 260,000 acre feet |

2. In addition, the following nontributary Denver Basin groundwater supplies were previously adjudicated in Case Nos. 86CW18, 86CW19, and 08CW113 underlying the District and its affiliates, and are available for the District's use:

| <u>Aquifer</u> | <u>Status</u> | Total Allocation (AF) |
|-------------------|---------------|-------------------------------|
| Arapahoe | NT | 56,900 acre feet |
| Laramie-Fox Hills | NT | 53,940 ¹ acre feet |

SRMD TOTAL: 110,840 acre feet

3. Further, as described above, the District seeks quantification of all Denver Basin groundwater underlying the SR Quarry Property, including the following quantities of nontributary groundwater estimated to be available for Applicant's use:

| <u>Aquifer</u> | <u>Status</u> | Total Allocation (AF) |
|-------------------|---------------|-----------------------|
| Laramie-fox Hills | NT | 2,780 AF |

As such, the District has a total of 373,620 acre-feet of nontributary Denver Basin groundwater available for its use.

Statement of Plan for Augmentation: Applicant wishes to provide for the augmentation of injurious out-of-priority stream depletions which may be caused by the pumping of the not-nontributary Denver and Arapahoe aquifer wells underlying the properties owned and controlled by the District, including the SR Quarry Parcel, and within District boundaries as proposed herein, along with evaporative depletions from two (2) pond structures located on-channel on Sand Creek with total surface area of approximately 3.81 acres, as described above. Applicant seeks to utilize such not-nontributary Denver Basin ground in the Denver and Arapahoe aquifers for municipal uses throughout the District's municipal service area, as currently exists or as may exist in the future, or otherwise by agreement. Applicant seeks to utilize portions of the nontributary Denver Basin ground water underlying the Bar X Parcel for augmentation of any injurious post-pumping depletions occurring following the anticipated 300-year pumping life of the augmented structures. The District currently utilizes a wastewater treatment plant which discharges its treated effluent for re-charge of the Upper Black Squirrel Creek alluvial aguifer, rendering any reusable effluent resulting from the use of not-nontributary Denver Basin aguifers unavailable for replacement purposes to Sand Creek, though the potential for on-site wastewater treatment in the future remains, and the District has the option of returning such reusable return flows to the District for re-use by pipeline. For so long as Applicant's otherwise re-usable wastewater return flows are unavailable for re-use or credit in Sand Creek, Applicant proposes to replace any injurious out of priority depletions resulting from Applicant's use of not-nontributary

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¹ Includes 40 acre feet, 0.4 annual acre feet, adjudicated in Case No. 08CW113.

Denver Basin ground water through Lawn Irrigation Return Flows ("LIRFs"), such LIRFs accruing to Sand Creek as a result of irrigation uses throughout the District. Should the District construct in the future such infrastructure as necessary to allow re-usable return flows/effluent to accrue to Sand Creek, or other appropriate tributary to Fountain Creek, Applicant may utilize such effluent in replacement of or in addition to LIRFs for replacement purposes under this plan. As to evaporative depletions, to the extent the LIRFs sought to be quantified herein are insufficient to replace such depletions (or re-usable effluent does not become available to Applicant's use), Applicant in the alternative will either suffer evaporative loss, or pump its nontributary Laramie-Fox Hills aquifer groundwater underlying the District to replace evaporative depletions in time, place and amount. The total available not-nontributary ground water underlying SRMD, as previously quantified in Division 2 Case No. 08CW113 is as follows:

| | Annual Average |
|----------------|---------------------|
| | Withdrawal |
| <u>Aquifer</u> | (Acre Feet) |
| Denver (NNT) | 242.97 ¹ |
| Arapahoe (NNT) | 0.20^{1} |

In addition, and as described above, Applicant has the following additional not-nontributary groundwater available for withdrawal underlying the SR Quarry Parcel:

| | Annual Average |
|----------------|--------------------|
| | Withdrawal |
| Aquifer | (Acre Feet) |
| Denver (NNT) | 16.32 ¹ |
| Arapahoe (NNT) | 14.40 ¹ |

As such, the total withdrawals from the not-nontributary Denver and Arapahoe aquifers to be augmented by this plan for augmentation is as follows:

| | Annual Average |
|----------------|---------------------|
| | Withdrawal |
| <u>Aquifer</u> | (Acre Feet) |
| Denver (NNT) | 259.29 ¹ |
| Arapahoe (NNT) | 14.60 ¹ |

C. <u>Augmentation of Not-Nontributary Groundwater</u>.

1. <u>Structures to be Augmented</u>: Applicant seeks approval for a plan

¹ This represents the annually estimated available quantity of water for a 300-year pumping life, as required by El Paso County Land Development Code.

for augmentation to replace any injurious out-of-priority depletions which may result from Applicant's withdrawal of not-nontributary ground water within the Denver and Arapahoe aquifers available to the District as described above, as well as evaporative depletions associated with SRMD Pond No. 1 and SRMD Pond No. 2, as described above and as depicted on the **Exhibit B** Map.

- 2. Water Rights to be Used for Augmentation: The water rights to be used for augmentation during pumping are LIRFs as requested to be preliminarily quantified herein, resulting from outside water uses within the District, and which will accrue to Sand Creek for replacement of depletions associated with the Augmented Structures. Initial pumping for the irrigation uses resulting in such LIRFs will be fully augmented by the plan for augmentation adjudicated herein, and therefore such LIRFs will be fully consumable, resulting from augmented withdrawals from the not-nontributary Denver and Arapahoe aquifer wells to be pumped as set forth in this plan of augmentation, or from other water resources utilized by the District, including nontributary supplies. Applicant's request for LIRF quantification is set forth below at Paragraph IV.E, below. The water rights to be used for augmentation of any injurious post-pumping depletions resulting from pumping from the not-nontributary supplies described herein are nontributary groundwater supplies underlying the Bar X Parcel, or in the alternative other nontributary supplies available to the District, including as described herein.
- 3. <u>Anticipated Uses</u>: Applicant will make all municipal uses of water associated provision of municipal water services to residential, commercial and industrial customers within the District, or by contract, as may develop over time.
- 4. Augmentation of Depletions During Pumping: Through computer groundwater flow modeling, it has been theoretically demonstrated that pumping the not-nontributary Denver and Arapahoe aquifer wells as proposed in this augmentation plan over one hundred years, will deplete surface water flows at a greater rate than 0.1 percent of the pumping rate, and such aguifers are therefore not-nontributary. As previously decreed, the point of contact between the not-nontributary Denver and Arapahoe aguifers with surface streams, including their alluvium, occurs greater than one mile from the anticipated location of Applicant's wells, and the same is true of the Denver and Arapahoe aguifers underlying the SR Quarry Parcel, as described above. Therefore, pursuant to C.R.S. §37-90-137(9)(c)(I), replacement of 4% of pumping from the not-nontributary Denver and Arapahoe aquifers is adequate to replace injurious depletions during pumping. Applicant asserts that LIRFs resulting from development of irrigated landscaping and lawns within the District represented by public spaces, medians, parks and open space, will adequately replace such 4% of pumping from the not-nontributary Denver and Arapahoe aquifers, with such LIRFs amounting to approximately 15% of the water applied to such uses. In the absence of sufficient LIRFs, Applicant will pump nontributary supplies from the nontributary Arapahoe and/or Laramie-Fox Hills aguifers in amounts sufficient to replace depletions in time, place and amount.

- Augmentation for Post Pumping Depletions: For the replacement of post-pumping depletions occurring after the anticipated 300-year pumping life of the wells to the not-nontributary aguifers described above, Applicant will dedicate and reserve the 82,167 acre feet of supply from a combination of the nontributary Denver, Arapahoe and Laramie-Fox Hills aguifer underlying the Bar X parcel, owned or controlled by SRMD and its affiliates, less the amount of actual stream depletions replaced during the plan pumping period. Applicant's consultant estimates that a total of 1,978.119 acre-feet of lawn irrigation return flows will replace stream depletions over the 300 year pumping period. The total 81,167 acre feet of reserved post-pumping replacement water, less the amount of actual stream depletions replaced during the plan pumping period, including an estimated 1,978 acre-feet from LIRF's, will be sufficient to replace all calculated injurious post-pumping depletions. Applicant specifically reserves the right to substitute other legally available augmentation sources for replacement of such post pumping depletions upon further approval of the Court under its retained jurisdiction. Even though this reservation is made, Applicant claims that post-pumping depletions will be noninjurious and need not be replaced. Under the Court's retained jurisdiction, Applicant reserves the right in the future to prove that said post-pumping depletions will be noninjurious. Upon entry of a decree in this case, the Applicant will be entitled to file for and receive well permits for the subject not-nontributary Denver and Arapahoe aguifer wells for the uses in accordance with this Application. Applicant acknowledges that the nontributary groundwater underlying the Bar X Parcel hereby reserved originates in Water Division 1, and commits to its transport into Water Division 2 for replacement of any post-pumping depletions under this plan for augmentation in proper location. Applicant intends, consistent with C.R.S. §37-90-137(9)(b), to forego consumption of 2% of the nontributary groundwater withdrawn, and for said 2% to remain in Water Division 1.
- D. <u>Augmentation of Evaporative Depletions</u>. Applicant seeks approval of a plan for augmentation for replacement of any out-of-priority evaporative depletions which may result from impoundment of flows from Sand Creek in the SRMD Pond Nos. 1 and 2 water storage rights sought herein, more specifically described in Section II, above.
- 1. <u>Pond Evaporation</u>: Applicant's consultants have determined the net evaporative depletions based on the application of local climate data to the standards of the State Engineer's Office for the determination of pond evaporation. Based thereon, the net evaporation from the surface area of the combined maximum surface areas of SRMD Pond Nos. 1 and 2, being approximately 3.81 surface acres, is determined to be approximately 46.5 inches. SRMD Pond Nos. 1 and 2 therefore have associated evaporative depletions of approximately 9.90 annual acre feet, in combination.
- 2. Augmentation Source for Replacement of Evaporative Depletions. Applicant proposes two alternate sources of augmentation supply for replacement of evaporative depletions from SRMD Pond Nos. 1 and 2: (a) excess LIRF credits, as described in Paragraph IV.E., below, when not required for replacement of the 4% pumping depletions associated with the not-nontributary Denver and/or Arapahoe aquifer groundwater withdrawals described in Paragraph IV.C.3., above; or, (b) pumping from the

nontributary Arapahoe and/or Laramie Fox Hills aquifers underlying SRMD, as decreed to Applicant's use in Case Nos. 86CW119 and 08CW113, including from existing SRMD wells described above.

- a. <u>Excess LIRF Credits</u>. LIRF credits resulting from irrigation throughout the District, as described and preliminarily quantified in Paragraph IV.E., below, are anticipated to be available in excess of that required for augmentation of the not-nontributary Denver and Arapahoe aquifer wells described herein. Applicant shall utilize such LIRF credits to offset and augment all or part of the estimated 9.90 annual acre feet of evaporative depletions associated with SRMD Pond Nos. 1 and 2.
- Nontributary Groundwater. In the alternative, Applicant shall b. pump to the stream such quantities of not-nontributary groundwater as necessary to fully augment evaporative depletions associated with SRMD Pond Nos. 1 and 2, estimated to be a maximum of 9.90 annual acre feet, not otherwise augmented through LIRF credits, as described in Paragraph IV.D.2.a., above. The nontributary Laramie-Fox Hills aguifer underlying approximately 1,410 acres of the District was quantified in Case No. 86CW119 by the Division 2 Water Court, while the nontributary Laramie-Fox Hills aguifer underlying the remaining 41.44 acres of the District was quantified in Case No. 08CW113, Water Division 2. Nontributary groundwater in the Arapahoe aquifer was primarily quantified in Case No. 86CW118, Water Division 1, with a 4 acre foot portion quantified in Case No. 08CW113, Water Division 2. Such adjudications provide for the combined annual withdrawals of nontributary groundwater well in excess of any depletions created through the use and maintenance of SRMD Pond Nos. 1 and 2, and such groundwater was previously adjudicated for all municipal uses, expressly including augmentation. Applicant has existing wells to both the nontributary Arapahoe and Laramie-Fox Hills aguifers underlying the District, Permit Nos. 77785-F and 80132-F, respectively. Such groundwater will be pumped to Sand Creek in times and volumes necessary to prevent injury to other vested water rights users.

E. Quantification of Reusable Outdoor-Use Lawn Irrigation Return Flows ("LIRFs")

Water use within the District's boundaries will include use for outdoor purposes, including irrigation of lawns, landscaping, open space, etc. A portion of the water used for outdoor purposes will return to the Sand Creek/Fountain Creek stream system unconsumed. The District seeks quantification of the amount, timing and location of such LIRFs accruing to the Sand Creek stream system, located in Water Division 2, from use of water from the sources described above in Paragraphs III.B., and D., within the District's current and future boundaries. The District also seeks approval of the right to use such reusable LIRFs for augmentation and replacement in the augmentation plan described above. All such LIRFs will accrue to Sand Creek, tributary of Fountain Creek, tributary to the Arkansas River. The approximate location at or upstream of which all such LIRFs are anticipated to accrue is shown on the attached **Exhibit B** map. The District proposes to calculate the amount of such re-usable LIRFs using a preliminary

fixed return flow percentage of 15% of total outdoor uses. This percentage is based upon a relationship between deep percolation (expressed as a fraction of the amount of water applied) and the amount of water applied (expressed as a fraction of the potential consumptive use of lawn grass), referenced as the "Cottonwood Curve", and the methodology referred to as the "Cottonwood Methodology", first approved in Case No. 81CW142 in Water Division 1, or in the alternative, the "Colorado Springs Methodology". These, or a similar relationship and methodology, have also been approved in various decreed matters in Water Division 2, and therefore will likewise be utilized here. The District proposes to calculate the timing of the deep percolation portion of such reusable LIRFs to the Sand Creek stream system using the Glover bounded alluvial aquifer equation.

Applicant's consultants have estimated, based upon zoning and land use plans approved by El Paso County, that approximately 48 acres of parks and common area will be irrigated throughout the District, resulting in LIRFs calculated at approximately 27.45 acre feet annually. With maximum annual depletions from pumping of not-nontributary aquifers estimated at 10.96 acre feet (4% of 273.89 annual acre feet of pumping), and evaporative depletions estimated at a maximum of 9.90 acre feet, for a total of 20.86 annual acre feet to be augmented, available LIRFs appear well in excess of augmentation demands.

F. Remarks: Additional remarks are as follows:

- 1. The term of this augmentation plan is for 300 years, however the length of the plan for a particular well or wells may be extended beyond such time provided the total plan pumping allocated thereto is not exceeded. Post-pumping stream depletions accrue to a particular well or wells only to the extent related to that well's actual pumping.
- 2. Before any wells are constructed, applications for well permits will be filed with the State Engineer's office, and well permits shall be granted in accordance with the decree pursuant to this application.
- 3. The Applicant requests a finding that vested water rights of others will not be materially injured by the withdrawals of ground water and the proposed plan for augmentation.
- 4. The wells shall be installed and metered as reasonably required by the State and Division Engineer. Each well must be equipped with a totalizing flow meter and Applicant shall submit diversion records to the Division Engineer on an annual basis or as otherwise requested by the Division Engineer. The Applicant shall also provide accountings to the Division Engineer and Water Commissioner as required by them to demonstrate compliance under the plan of augmentation, and all such accountings shall be integrated into other accountings required from Applicant pursuant to subsequently entered decrees so as to accurately account for all water uses by the District from various

sources, and to ensure that all out-of-priority depletions associated therewith are adequately replaced in time, place and amount.

5. The Applicant intends to waive the 600 feet well spacing requirement for the wells to be located upon the property located within the District as now exists, or as may exist in the future.

RESPECTFULLY SUBMITTED this 9th day of October, 2020.

MONSON, CUMMINS & SHOHET, LLC (Pursuant to C.R.C.P. 121, § 1-26(9), the signed original shall be kept on file at the offices of Monson, Cummins & Shohet, LLC)

Is Chris D. Cummins

Chris D. Cummins, #35154 Emilie B. Polley, #51296 13511 Northgate Estates Dr., Ste. 250 Colorado Springs, CO 80921 (719) 471-1212

VERIFICATION

| STATE OF COLORADO | |
|-------------------|-----------|
| COUNTY OF EL PASO |) ss) |

I, James Morley, declare under penalty of perjury under the law of Colorado that I am an authorized representative of the Applicant, being the President of the Board of Directors for the Sterling Ranch Metropolitan District No. 1, and that I have read the foregoing and that all of the statements contained therein are true and accurate to the best of my knowledge and information.

Executed on the 9th day of October, 2020, in the City of Colorado Springs, Colorado.

James Morley

President

Sterling Ranch Metropolitan District No. 1

EXHIBIT A - Legal Descriptions

Sterling Ranch Metropolitan District Nos. 1, 2 and 3

The W1/2 W1/2 E1/2 and the E1/2 W1/2 and the SW1f4 SW1/4 of Section 27; the E1/2 SE1/4 and that portion of the SW1/4 SE1/4 lying South and East of the County Road across said premises, both in Section 28; that portion of the SE1/4 SE1/4 of Section 32 lying South and East of said County Road, that portion of the NE1/4 SE1#4 of said Section 32, lying South and East of said County Road, and that portion of the SE1/4 SW1/4 SE1/4 of Section 32 beginning at the SE comer of the SE1/4 SW1/4 SE1/4, then northerly along the east line of the SE1/4 SW1/4 SE1/4 a distance of 495 feet to a point on Vollmer Road, then southwesterly along Vollmer Road 660 feet to a point on the south line, then easterly 495 feet to the point of beginning; the E1/2 and the E1/2 SW1/4 and the SW1/4 SW1# of Section 33, and all that part of the NW1/4 of said Section 33 lying South and East of the said County Road across said premises, except that portion of the SW1/4 NW1/4 of said Section 33 lying South and East of said County Road containing approximately 10 acres deeded to Colorado Interstate Gas Company by Warranty Deed recorded in Book 1173 at Page 359 of the El Paso County Records; and the W1/2 E1/2 and the W1/2 of Section 34, all in Township 12 South, Range 65 West of the 6th P.M., located in El Paso County, Colorado. The NW1/4 of the NW1/4 of Section 4, Township 13 South, Range 65 West of the 6th P.M., located in El Paso County, Colorado.

Bar X Land

A parcel of land located in Township 11 South, Range 65 West of the 6th Principal Meridian, El Paso County, Colorado, and more particularly described as follows:

All of Section 16; the E1/2 of the SW1/4 and the SE1/4 of Section 17; the E1/2 of the E1/2 of the W1/2 of Section 20; the NE1/4 and the W1/2, except for the east 30 feet of the SW1/4, of Section 21.

SR Quarry Land

A TRACT OF LAND IN THE SOUTHWEST ONE-QUARTER AND THE SOUTHWEST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF SECTION 32, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, IN EL PASO COUNTY, COLORADO, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 32; THENCE N89°23'57"E ALONG THE SOUTH LINE OF SECTION 32, 30.00 FEET TO POINT ON THE EASTERLY LINE OF BLACK FOREST ROAD, ACCORDING TO THE RESOLUTION ADOPTED BY THE BOARD OF COMMISSIONERS OF EL PASO COUNTY RECORDED IN ROAD BOOK A AT PAGE 78, WHICH POINT IS THE POINT OF BEGINNING; THENCE N00°02'19"W ALONG SAID EASTERLY LINE, 125.50 FEET TO A POINT ON THE SOUTH LINE OF THAT TRACT OF LAND DESCRIBED IN BOOK 3859 AT PAGE 151; THENCE ALONG THE BOUNDARY OF SAID TRACT FOR THE FOLLOWING FOUR (4) COURSES; (1) THENCE N89°23'57"E, 25.20 FEET; (2) THENCE N42°32'21"E, 664.79 FEET; (3) THENCE N01°44'16"W, 403.43 FEET; (4) THENCE N87°25'38"W, 463.51 FEET TO A POINT ON SAID EASTERLY LINE OF BLACK FOREST ROAD; THENCE N00°02'19"E ALONG SAID EASTERLY LINE, 124.08 FEET; THENCE N89°27'58"E, 2607.50 FEET; THENCE N00°00'40"W ALONG THE NORTH-SOUTH CENTERLINE OF SECTION 32, 152.93 FEET TO THE SOUTHWEST CORNER OF HOLIDAY HILLS NO. 1, ACCORDING TO THE PLAT RECORDED IN PLAT BOOK E2 AT PAGE 12; THENCE N89°31'30"E ALONG THE SOUTH LINE OF SAID HOLIDAY HILLS NO. 1, 1260.38 FEET; THENCE S00°33'58"E ALONG THE WESTERLY LINE OF GLIDER PORT ROAD, AS DEDICATED IN SAID HOLIDAY HILLS NO. 1, 741.29 FEET; THENCE \$37°18'25"W ALONG THE NORTHWESTERLY LINE OF VOLLMER ROAD, 721.56 FEET; THENCE S89°23'57"W ALONG THE SOUTH LINE OF SECTION 32, 3437.29 FEET TO THE POINT OF BEGINNING, COUNTY OF EL PASO, STATE OF COLORADO

Retreat Land

A PARCEL OF LAND LOCATED IN A PORTION OF THE SOUTHEAST ONE-QUARTER (SE1/4) OF SECTION 21 AND A PORTION OF THE SOUTHWEST ONE-QUARTER OF SECTION 22, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: A LINE BETWEEN THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27 AND THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SAID SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST, MONUMENTED AT THE NORTHERLY END BY A 3-1/4" ALUMINUM CAP STAMED "2006 ESI PLS 10376" AND MONUMENTED AT THE SOUTHERLY END BY A 3-1/4" ALUMINUM CAP STAMPED "2006 ESI PLS 10376" AND IS ASSUMED TO BEAR S00°54'30"E, A DISTANCE OF 3925.63 FEET;

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27; THENCE S88°38'56"W ALONG THE NORTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4), A DISTANCE OF 1047.88 FEET TO THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED; THENCE S88°38'56"W CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 283.03 FEET TO THE NORTHWEST CORNER OF SAID SECTION 27 SAID POINT ALSO BEING A POINT ON THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 431 OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER; THENCE ALONG THE EASTERLY AND NORTHERLY RIGHT-OF-WAY LINES OF SAID DEED THE FOLLOWING TWO (2) COURSES:

1.N00°37'14"W SAID LINE ALSO BEING THE WEST LINE OF THE SOUTHWEST ONE-QUARTER (SW1/4) OF SAID SECTION 22, A DISTANCE OF 30.00 FEET; 2.S89°40'23"W, A DISTANCE OF 736.82 FEET TO THE POINT OF INTERSECTION OF THEEASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 430 OF SAID COUNTY RECORDS; THENCE N21°41'10"E ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 1798.07 FEET; THENCE N59°58'50"E, A DISTANCE OF 694.83 FEET; THENCE S14°30'58"E, A DISTANCE OF 567.09 FEET; THENCE N69°36'18"E, A DISTANCE OF 603.87 FEET; THENCE S30°23'46"E, A DISTANCE OF 264.58 FEET; THENCE S61°52'38"W, A DISTANCE OF 227.40 FEET; THENCE S79°15'47"W, A DISTANCE OF 276.17 FEET; THENCE S89°39'18"W, A DISTANCE OF 356.07 FEET; THENCE S40°09'47"W, A DISTANCE OF 310.61 FEET; THENCE S09°56'46"W, A DISTANCE OF 270.03 FEET; THENCE S35°00'25"W, A DISTANCE OF 167.38 FEET; THENCE S57°24'01"W, A DISTANCE OF 235.36 FEET; THENCE S27°23'34"E, A DISTANCE OF 611.29 FEET TO THE POINT OF BEGINNING; SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 35.08 ACRES OF LAND, MORE OR LESS.

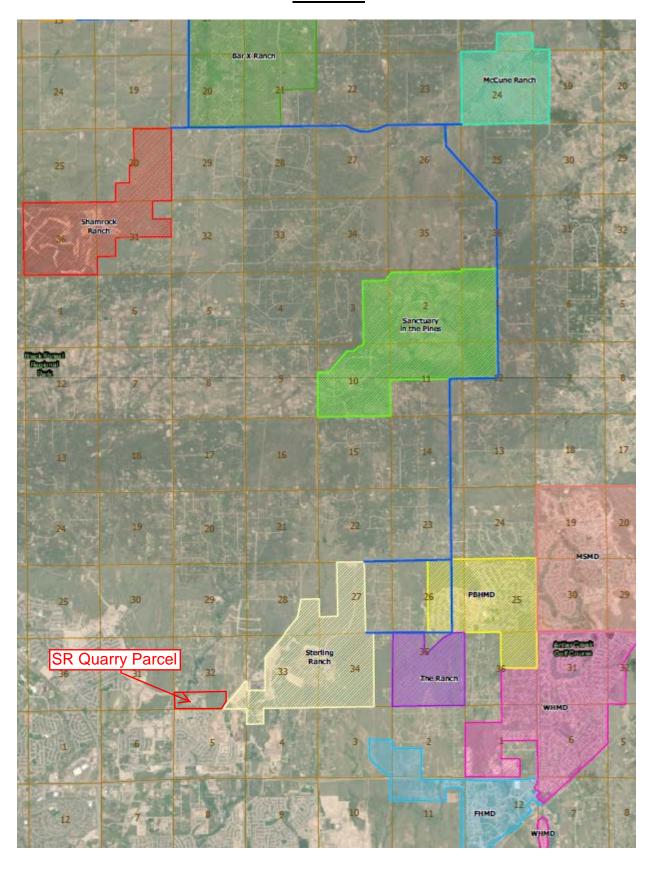
Along With:

A PARCEL OF LAND BEING THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27, THE SOUTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (SW1/4 NW1/4) OF SECTION 27, THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SECTION 27, A PORTION OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 28 AND A PORTION OF THE NORTHEAST ONE-QUARTER (NE1/4 NE1/4) OF SECTION 28, ALL IN TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: A LINE BETWEEN THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER (NW1/4 NW1/4) OF SECTION 27 AND THE SOUTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4) OF SAID SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST, MONUMENTED AT THE NORTHERLY END BY A 3-1/4" ALUMINUM CAP STAMED "2006 ESI PLS 10376" AND MONUMENTED AT THE SOUTHERLY END BY A 3-1/4" ALUMINUM CAP STAMPED "2006 ESI PLS 10376" AND IS ASSUMED TO BEAR S00°54'30"E, A DISTANCE OF 3925.63 FEET;

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-OUARTER (NW1/4 NW1/4) OF SECTION 27, SAID POINT ALSO BEING THE POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED; THENCE S00°54'30"E ALONG THE EAST LINE OF THE WEST ONE-HALF (W1/2) OF SAID SECTION 27, A DISTANCE OF 3925.63 FEET TO THE SOUTHEAST CORNER OF THE NORTHWEST ONE-OUARTER OF THE SOUTHWEST ONE-QUARTER NW1/4 SW1/4) OF SAID SECTION 27; THENCE S87°35'00"W ALONG THE SOUTH LINE OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4), A DISTANCE OF 1332.78 FEET TO THE SOUTHWEST CORNER OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4); THENCE N00°53'18"W ALONG THE WEST LINE OF SAID NORTHWEST ONE-OUARTER OF THE SOUTHWEST ONE-OUARTER (NW1/4 SW1/4), A DISTANCE OF 1316.78 FEET TO THE NORTHWEST CORNER OF SAID NORTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER (NW1/4 SW1/4); THENCE S89°08'28"W ALONG THE SOUTH LINE OF THE SOUTHEAST ONE-OUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4) OF SECTION 28. A DISTANCE OF 1326.68 FEET TO THE SOUTHWEST CORNER OF SAID SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER (SE1/4 NE1/4); THENCE N00°30'49"W ALONG THE WEST LINE OF SAID SOUTHEAST ONE-OUARTER OF THE NORTHEAST ONE-OUARTER (SE1/4 NE1/4), A DISTANCE OF 1270.77 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 430 OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER; THENCE N21°41'10"E ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 1450.84 FEET TO THE POINT OF INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE AS DESCRIBED IN THE DEED, AS RECORDED IN BOOK 2678 AT PAGE 431 OF SAID COUNTY RECORDS; THENCE ALONG THE SOUTHERLY AND EASTERLY RIGHT-OF-WAY LINES OF SAID DEED THE FOLLOWING TWO (2) COURSES: 1. N89°40'23"E, A DISTANCE OF 761.52 FEET TO A POINT ON THE EAST LINE OF SAID NORTHEAST ONE-OUARTER OF THE NORTHEAST ONE-OUARTER (NE1/4 NE1/4): 2. N00°52'58"W ALONG SAID EAST LINE, A DISTANCE OF 30.00 FEET TO THE NORTHWEST CORNER OF SAID SECTION 27; THENCE N88°38'56"E ALONG THE NORTH LINE OF SAID NORTHWEST ONE-OUARTER OF THE NORTHWEST ONE-OUARTER (NW1/4 NW1/4). A DISTANCE OF 1330.91 FEET TO THE POINT OF BEGINNING; SAID PARCEL OF LAND CONTAINS A CALCULATED AREA OF 190.89 ACRES OF LAND, MORE OR LESS.

EXHIBIT B



APPENDIX D

WELL PERMITS





Form No. **GWS-25**

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES 818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

(303) 866-3581

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WELL PERMIT NUMBER 77785 -F DIV. 2 WD 10 DES. BASIN MD

EL PASO COUNTY

MORLEY-BENTLEY INVESTMENTS LLC 20 BOULDER CRESCENT ST

NE 1/4 NW 1/4 Section 27 Township 12 S Range 65 W Sixth P.M.

UTM COORDINATES (Meters, Zone: 13, NAD83)

DISTANCES FROM SECTION LINES

324 Ft. from North Section Line 2632 Ft. from West

APPROVED WELL LOCATION

Section Line

(719) 491-3024

PERMIT TO CONSTRUCT A WELL

Easting: Northing: ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has 2) been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- Approved pursuant to CRS 37-90-137(4) and the decree granted in case no. 86CW19 Division 2 Water Court. The operation of this well is 3) subject to the terms and conditions of said decree.
- 4) The use of ground water from this well is limited to municipal, domestic, commercial, fire protection, industrial, residential, recreation, irrigation, augmentation, livestock watering and agricultural uses.
- The pumping rate of this well shall not exceed 150 GPM. 5)

COLORADO SPRINGS, CO 80903-

- 6) The average annual amount of ground water to be appropriated shall not exceed 539 acre-feet.
- 7) Production is limited to the Laramie-Fox Hills aquifer which is located 2,345 feet below land surface and extends to a depth of 2,630 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers
- The entire length of the hole shall be geophysically logged as required by Rule 9 of the Statewide Nontributary Ground Water Rules prior to 8) installing casing.
- 9) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.
- A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be 10) maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- This well shall be constructed at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant. 11)
- 12) This well shall be constructed not more than 200 feet from the location specified on this permit.
- Pursuant to CRS 37-90-137(9)(b) and the Denver Basin Rules, no more than 98% of the nontributary ground water withdrawn annually shall 13) be consumed and the well owner shall demonstrate to the reasonable satisfaction of the State Engineer that no more than 98% of the water withdrawn will be consumed.
- 14) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations. NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

NOTE: To ensure a maximum productive life of this well, perforated casing should be set through the entire producing interval of the approved zone or aquifer indicated above.

NOTE: This permit will expire on the expiration date unless the well is constructed and a pump is installed by that date. A Well Construction and Test Report (GWS-31) and Pump Installation and Test Report (GWS-32) must be submitted to the Division of Water Resources to verify the well has been constructed and the pump has been installed. A one-time extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: http://www.water.state.co.us

APPROVED

Receipt No. 3662756

IDC

State Engineer

DATE ISSUED 12-19-2013 Du aui Cil

EXPIRATION DATE

12-19-2014

Form No. **GWS-25**

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES 818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

(303) 866-3581

LIC

| WELL! | PERMIT NUMBER | 77786 | <u>-F -</u> | |
|-------|---------------|------------|-------------|--|
| DIV. | 2 WD 10 | DES. BASIN | MD | |

APPLICANT

APPROVED WELL LOCATION

EL PASO COUNTY

NE 1/4 NW 1/4 Section 27

Township 12 S Range 65 W Sixth P.M.

DISTANCES FROM SECTION LINES

304 Ft. from North

Section Line Section Line

2632 Ft. from West

(719) 491-3024

PERMIT TO CONSTRUCT A WELL

20 BOULDER CRESCENT ST

COLORADO SPRINGS, CO 80903-

MORLEY-BENTLEY INVESTMENTS LLC

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting:

Northing:

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has 2) been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- Approved pursuant to CRS 37-90-137(4) and the decree granted in case no. 86CW18 Division 2 Water Court. The operation of this well is 3) subject to the terms and conditions of said decree.
- 4) The use of ground water from this well is limited to municipal, domestic, commercial, fire protection, industrial, residential, recreation, irrigation, augmentation, livestock watering and agricultural uses.
- 5) The pumping rate of this well shall not exceed 150 GPM.
- 6) The average annual amount of ground water to be appropriated shall not exceed 575 acre-feet.
- 7) Production is limited to the Arapahoe aquifer which is located 1,585 feet below land surface and extends to a depth of 2,070 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers
- 8) The entire length of the hole shall be geophysically logged as required by Rule 9 of the Statewide Nontributary Ground Water Rules prior to installing casing.
- 9) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.
- A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- 11) This well shall be constructed at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant.
- This well shall be constructed not more than 200 feet from the location specified on this permit.
- 13) Pursuant to CRS 37-90-137(9)(b) and the Denver Basin Rules, no more than 98% of the nontributary ground water withdrawn annually shall be consumed and the well owner shall demonstrate to the reasonable satisfaction of the State Engineer that no more than 98% of the water withdrawn will be consumed.
- 14) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations. NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aguifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

NOTE: To ensure a maximum productive life of this well, perforated casing should be set through the entire producing interval of the approved zone or aquifer indicated above.

NOTE: This permit will expire on the expiration date unless the well is constructed and a pump is installed by that date. A Well Construction and Test Report (GWS-31) and Pump Installation and Test Report (GWS-32) must be submitted to the Division of Water Resources to verify the well has been constructed and the pump has been installed. A one-time extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: http://www.water.state.co.us

APPROVED

Receipt No. 3662757

IDC

State Engineer

DATE ISSUED

12-19-2013

EXPIRATION DATE

12-19-2014

U COURCE

APPENDIX E

WATER QUALITY FROM EXISTING WELLS





WQCD - Drinking Water CAS 4300 Cherry Creek Drive South, Denver, CO 80246-1530 Inorganic Chemicals Certified Laboratory Report Form

Revised 6/13/2014

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

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| System Name: LFH-1 | LFH-1 | : | | Laboratory Name: Colorado Analytical Laboratory | ytical Laboratory | | |
| Contact Person: Mark Volle | 1: Mark Volle | | Phone #: 719-227-0072 | Contact Person: Customer Service | Phone: 303-659-2313 | 559-2313 | |
| Comments: | | | Do Samples Need to be Composited BY THE LAB? | Comments: | | | |
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| | | | Section III (Supplied or Comp. | I (Supplied or Completed by Public Water System) | | | |
| Sample Date: 2/16/17 | | Collector: Stephanie Schwe Facility II | Facility ID (On Schedule): | Sample Pt | Sample Pt ID (On Schedule): | | |
| | | | tion IV Inorganic Chemicals (C | Section IV Inorganic Chemicals (Completed by Certified Laboratory) | | | |
| Lab Receipt Date | I ab Analysis Date | Lab Sample ID | Analyte Name | CAS No | Analytical MCI. | Lab MRL | Result (mo/I) |
| 2/17/17 | 71//1/2 | 170217005-01 | Fluoride | 7681-49-4 | | 60.0 | 1.07 |
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mg/L: Milligrams per Liter MCL: Maximum Contaminant Level

NT: Not Tested Lab MRL: Laboratory Minimum Reporting Level BDL: Below Laboratory MRL. A less than (<) may also used.

170217005-01

| ysis) Subcom | PHASE I, II, V Drinking Water Analyses (check analysis) | | 170217005 |
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| www.coloradolab.co | Compliance Samples: Yes M No 2 | Email: jonsolty 987000000 | Email: Myolle@jdshydro.com Email: jmorte 9870000,com Compliance |
| Fax: 303-659-2315 | County: El Paso | Phone: Fax: | Phone: 19-337-007drax; |
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| LABORATORIES, INC. | State Form / Project Information | Ball To Information ([f different from report to) | Company Name: DS-4-20 |

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Dr, Suite 100A 1228

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Drinking Water Chain of Custody

| | | | | _ | | | | | | | | | | |
|----------------------------|----------------------------------|---------------------------------|---------------|--------------------------------|------------------------------------|-------------------------|---------------------------------|------------|---------------------|--------------------|--------------------------|-------------------------|---|---|
| Date | | 170 | | Sampler | Email: (A | Phone: | CityCo | | Seco and | Address | Contac | Compa | Report | |
| Time | ARF | 170217005 | Tour Labor | Name: | Charle C | 刊9-2 | D 5865 | TATA | SHS | | t Vanne: | ny Name: | Report To Information | |
| Client Sample ID / EP Code | | | | Sampler Name: CARPY CETTLES IN | Myalle @ jodshydra con Email: | Phone: 719-227-0072Fax: | CityCoa 5P65 Sute COZIP \$0903 | SUSTRE BOO | F. BYES PEAK AND | | Contact Name: MARK VIOLE | Company Name: JDS HYDRO | nation | |
| | Containers | - | | PO No. | Email:)(| Phone: | City COLO 365 State COZIP 80903 | | Address: 20 BOULDER | Contact Name: 32-7 | } | Company Name: SR LATER | Bill To Information (If d)fferent from report to) | |
| mg/L YA Sa | aal Chlorine) amples Only | | | | imorley@ 3870@aol.comCompliance Sa | | 0 365 | | ० छ | ame: | | Name: | formatio | |
| otal | Coliform P/A | | $\rceil $ | | Sh. | | Sta | | £ | Ľ | | ¥ | îf d | |
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| 05 P | ests/PCBs | | $\ $ | | 3 | Fax: | ΔZip | | | 2 | | ನ್ನ | nt fro | |
| 15.4 | Herbicides , | ٦, | | | 6 | F. | 2 | | Ž, | MOK LE Y | | ~ | m rep | |
| ~~ | YOU GOL | Į ¥ | | | 200 | | 90. | | Č. | 1 | . | | on to | |
| 25.2 | SOCs-Pest | PHASE I, II, V Drinking | | | C | | W | | CRESCENT ST | | | | | |
| 31.1 | Carbamates | F | - | n | <u> </u> | _ | | | -i | | 1_ | | | |
| 47 G | lyphosate | שַׁלַ | Send Forms to | | omp | County: 12) | CityCOLO - | 4 | Address: | System Name: | PWSID: | | State Form / F | |
| 48.1 | Endothali | | Or III | , | lianc | <i>iaJ</i> ∺ | 9 | T 125 | ۶. ۱.۳ | TE | Ē | | Form | |
| 49.2 | Diquat | | | | | ľ | 4 | 20 | Z | <u>ا</u> ا | C | • | P | |
| 24.2 | TTHMs | Vate | State: Yes | | ples: | PASO | 65 | RG S W | 13 X | | 1 | | olect . | |
| 52.2 | HAA5s | Ž | ğ | : | ž | 0 | State | Ξ | | | 5 | | pfor | |
| ead/C | Copper | Na Vs | NO N | | mples: Yes X No | | ρ, | 3 | 2 | | | | roject Information | |
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| k./L | ang. Index | ္ | 63 | * | 4 - | | _ | | | | | | | 1 |
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Colorado Analytical

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood CO 80228 Lakewood Lab 12860 W. Cedar Dr, Suite 100A

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

It's state forms

| } | | Relina | | instructions: | | | | | | 116 | 1, | | | | 7 | Date | | | · 17 |
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| | luish | 34 | | | | | | | | | T | 1 | | | | 547 C | ilyphosate | e | ď |
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| | ate/ | 7 | 1 | Dace | \top | \top | 1 | \dashv | _ | | | | + | ⋨ | ⋖ | Radiu | | | bcón |
| | Date/Time: | Ž. | | Headspace Yes No | | \top | 1 | \dashv | \dashv | | | T | + | 7 | Χ. | Radiur | | \neg | trac |
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| | | | | 7 | \top | \top | \top | | | | | T | + | | | Uraniu | | | Subcontract Analyses |
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| | | | | | | | | | | | | | | | | | | | |

Inorganic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS

Submit Online at http://www.wqcdcompliance.com/login

IOC

Revised 4/13/2015

(mg/L) 0.002 0.015 BDL BDL BDL 0.001 BDL Section II (Supplied or Completed by Certified Laboratory) 100000 0.001 0.001 0.001 0.001 0.001 0.00 Phone: 303-659-2313 Certified Laboratory Information (mg/L) 0.004 0.005 0.002 0.0 0.1 Sample Pt ID (On Schedule): Laboratory Name: Colorado Analytical Laboratory EPA 200.8 EPA 200.8 EPA 200.8 **EPA 200.8** EPA 200.8 EPA 200.8 **EPA 200.8** Method Contact Person: Customer Service Section IV Inorganic Chemicals (Completed by Certified Laboratory) Section III (Supplied or Completed by Public Water System) Laboratory ID: CO 0015 7740-36-0 7440-43-9 7440-47-3 7439-97-6 7440-39-3 7440-41-7 7440-38-2 CAS No Comments: Do Samples Need to be Composited BY THE LAB? Collector: Stephanie Schwe [Facility ID (On Schedule); Analyte Name Boryllium Chromium Barium Cadmium Antimony Arsenic Mercury Section I (Supplied or Completed by Public Water System) Phone #: Public Water System Information 170217005-01A 170217005-01A 170217005-01A 170217005-01A 170217005-01A 170217005-01A 170217005-01A Lab Sample II) ab Analysis Contact Person: Mark Volle 2/22/17 2/22/17 2/22/17 2/22/17 2/22/17 2/22/17 2/22/17 PWSID#: CO-0121724 System Name: LFH-1 Sample Date: 2/16/17 Lab Receipt Comments: 71/11/2 2/17/17 2/17/17 2/17/17 2/17/17 71/11/2 71/11/2 Date

mg/L: Milligrams per Liter MCL: Maximum Contaminant Level

Lab MRI.: Laboratory Minimum Reporting Level BDI.: Below Laboratory MRL. A less than (<) may also used.

NT: Not Tested

3/6/17 170217005-01A

0.001 BDI, 142.7 BDL

0.001 0.001

××

EPA 200.8 EPA 200.7 EPA 200.8

7782-49-2

Selenium Sodium Thallium

Nickel

170217005-01A 170217005-01A 170217005-01A 170217005-01A

2/22/17

2/17/17 2/17/17 71//17 71/11/2

2/22/17 2/24/17 2/22/17

7440-23-5

7440-28-0

7440-02-0

EPA 200.8

0.00 0.1

N/A 0.002 0.05

Drinking Water Chain of Custody

| 170217005 | Sampler Name: Se Channe Schwenke PONO: | Email: MYOLLE JAShyldro, Com Email: jmorthy 9870 God, Compliance Samples: Yes Myor | Phone: 119-337-007drax: Ph | City CS StateCOZID 80903 CI | | 2X Ave | - | Company Name: UDS-Hudro co | |
|---|--|--|----------------------------|------------------------------|-----------------|---|-----------------------------|----------------------------|--|
| PIASSI, I | No.: | will: j markly 28 70 adv.com | Phone: Fax: | City ColoSassane Cozip 80903 | | Address: 20 Boulder (RESCONST NOTA NOW)/4 527 | Contact Name: Jim (Therless | Company Name: SK-Waster | Bill To Information (If different from report to) State Form / Project Information |
| PHASE I, II, V Drinking Water Analyses (check analysis) | Send Forms to State: Yes ZNo XI | 7 | County: El Paso | City Lab Sers Smill zigo 90% | TIDS BOSW LARPY | Address: 14 Nw 1/4 527 | System Name: | PWSID: 60-0121724 | State Form / Project Information |
| alysis) | Jw.S | WWW.co | Yee AFax: 30 | Phone | Lakewo | Lakewo | Brighto | Brighto | LXBOHA. |

ABORATORIES, INC.

hton <u>Lab</u> South Main Street hton, CO 80601

vgod Lab W. Cedar Dr, Suite 100A vood CO 80228

e: 303-659-2313 303-659-2315

coloradolab.com

| SUVA, UV 254 (Circle) |
|-----------------------|
| Metals |
| Gross Alpha/Beta |
| |

Date | Time

Client Sample ID / EP Code

No. of Containers

Residual Chlorine (mg/L) P/A Samples Only

Total Coliform P/A

504.1 EDB/DBCP 505 Pests/PCBs 515.4 Herbicides 524.2 VOCs

525.2 SOCs-Pest

531.1 Carbamates 547 Glyphosate 548.1 Endothall 549.2 Diquat 524.2 TTHMs 552.2 HAA5s

Lead/Copper

Nitrate Nitrite

Fluoride

Inorganics

Alk./Lang. Index

TOC DOC (Circle)

15.55 35.30

工事

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ARF

Instructions:

Date/Time:

Asi.e.

date Time:

Delivered Via:

C/S Charge Date/Time

Received By:

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Sample Pres. Yes No C

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<u>S</u> a/Beta Radium 226 Radium 228 Radon

Uranium

Subcontract Analyses 11 11 PERS 1913 - 11 1.12

| | Sampler Name: STEPH SCHNENCKE | Email: Par Myalle & joddyydro, con Email: jmorley@ 3870(200), con Compliance Samples: Yes X No | Phone: 719-227-0072Fax: | CityCoa SP65 State CO Zip \$0903 | SULTIFIC BOOD | SHS E. BYES PERK AND | Address: Address: | Company Name: JDS HNDRO | SEPORE TO ESTORMAN |
|---|--|--|-------------------------|------------------------------------|------------------|--|--------------------------|-------------------------|---|
| | PO No.: | Email: jmortey@3570@aol.com | Phone: Fax: | City Colo 265 State Co Zip 60903 | | SHS E. BYES PEAK AND Address: 20 BOWLDER CRESCENT ST NEW NOW 527 | Contact Name: JTM MORLEY | Company Name: SR WATER | Bill To information (if different from report to) |
| | Send Forms to State: Yes TNO N Terries | Compliance Samples: Yes X No 12 | County: EL PASO | City COLO SPGS State CO Zip (0708) | TIDS RUSED CT PM | Address AND 4 527 | System Name: | rwsid: Co-0121724 | State Form / Project Information |
| • | S. A. | 14 | _ | | | | | | |

Colorado Analytical

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Prepresults state forms

| · | | | | 7 | T | 1 | | - | - | | _ | _ | | | | | |
|------------------|-----------------------|-------------------|---|-------|--------|--------------|-----------|----------|------|-----|-------|--------|--------|------------|-------------------------|--------------------------------|----------------------|
| 3, | Relinanished | Instructions: | | | | | | 911 | 7 | | | | 5 | Date | .] | · 170 | CAL |
| | | tions: | | 31.14 | 21-15 | 8 | X.44 | 27.0 | 03.1 | いたが | 17.00 | 7:50 | 200 | Time | ARF | 170217005 | CAL Task No. |
| 916/17/19:50 | Date | | | 年1日 | 418 | 1 = 1 | # 6 | | | #15 | する | | | Clien | | | |
| To the | | 25(47 |) | É | بسب | | - | | | _ | U | W | w | | f Containers | | |
| 511 | | SOYBlank | | | | 2 . | | | | | | | | Resid | ual Chlorine | 1 | |
| 20 5 | | K | | | _ | | <u> </u> | \vdash | | + | | _ | | - | Coliform P/A EDB/DBCP | - | |
| 2/17/11 | | | | | | | _ | | | | | | | | Pests/PCBs | 1 | |
| G. | _ | | | | | | <u>X</u> | | | | | | | 515.4 | Herbicides : | 7. | |
| B | Vol | + | | X | | | | | | | | | | 374 | WOCE GOV | 1 | H |
| | Deli | C/S Infa | | | | | | | | | | | | 525.2 | SOCs-Pest | ֓֞֟֝֟֝֟֝֟֝֟֝֓֓֓֓֓֟֟֟֝֓֓֓֟֟֟ | |
| eling | vered | O. | | | | | | | | | | | | 531.1 | Carbamates | 7 | = |
| Tush Tush | Delivered Via: | 7 | | | | | | | | T | | | | 547 C | lyphosate | | |
| Relinquished By: | الح ا | _ | | | T | | | | | | | | | 548.1 | Endothall | 1 | PHASE I II V Drintin |
| y: | 6 | | | | × | | | | | T | | | | 549.2 | Diquat | 400 | a |
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| Date/Time: | C/S Charge [| | | | П | | | | Γ | T | | | | Lead/ | Copper | | |
| Tin | harge | | | | | $ \top $ | | | | T | | | | Nitrat | | | |
| <u></u> | | ſ | Ī | | | \exists | | | | | | | | Nitrite | ; | | |
| | Temp. | Sea | | | | X | | | | T | | | \neg | Fluori | Drineina de Waler ID | | |
| Received By: | e J | Seals Present Yes | | | | | | | | | | | | lnorga | | Ty. | |
| ived | 9 | sent | | | | | \exists | | | | | \neg | | | ang. Index | 5 | |
| Ву: | °C /Ice | <u>8</u> | | | | | | | | T | | \neg | | | DOC (Circle) | 1 | |
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| | S | | 3 | | | | | | | | | ×. | | 1,4 | Dioxane | | |
| | nple | cads | | | | | * | X | | | | | | Gross | Alpha/Beta | S. | • |
| Date/Time | Pres | Jace 1 | | | | | | | | | | | × | Radiu | | DCOL | |
| | S S | No Headspace Yes | | | \int | | \int | | | | | , | × | Radiu | n 228 | tract | |
| 4 | Sample Pres. Yes XINo | No. | | | | | | | × | | | | | Raden | Cyamide | Subcontract Analyses | |
| | | | | | | T | I | | | | T | | \top | Uraniu | - | yses | |
| | | | | | | | | | | ì. | 1. | | | المال | age 3 of 3 | <u> </u> | |



Lab Control ID: B16917 Received: Feb 17, 2017 Reported: Mar 20, 2017 Purchase Order No.

None Received

Customer ID: 20040H Account ID: Z01034 Project #: 009-616

ANALYTICAL REPORT

Stuart Nielson Colorado Analytical Laboratories, Inc.

| L | ab San | ple ID | B16917-001 | | | | | |
|--------------------|---------|--------|------------|----------------|------------|-------------------------|----------------|---------|
| Custom | ner Sam | ple ID | 170217005- | 01 - Lfh-1 - F | PWSID: CO | 0121724 - LFH-1 | | |
| | | | | sampled or | 02/16/17 (| @ 0906 by Stephanie Sch | wenke | |
| | | | | Precision* | Detection | | Analysis | |
| Parameter | | Code | Result | +/- | Limit | Method | Date / Time | Analyst |
| Gross Alpha | | | 0.0 | 0.0 | 1.5 | SM 7110 B | 3/2/17 @ 0840 | LD |
| Gross Beta | pCI/L | Т | 0.0 | 2.1 | 2.2 | SM 7110 B | 3/2/17 @ 0840 | LD |
| | pCI/L | T | 0.0 | 0.2 | 0.1 | SM 7500-Ra B | 3/3/17 @ 0825 | LD |
| | pCi/L | T | 0.0 | 0.8 | 8.0 | EPA Ra-05 | 3/14/17 @ 1257 | JR |
| Radon | pCi/L | Т | 345 | 25 | 13.9 | SM 7500-Rn B | 2/17/17 @ 1500 | AN |

Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10265; NJ CO008; NYSELAP (NELAC Certified) 11417; RI LAO00284; WI 998376610, TX T104704256-15-6

Codes: (T) = Total (D) = Dissolved (S) = Susspended (R) = Total Residual (PD) = Potentially Dissolved <= Less Than

[&]quot;Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.



Radionuclides Certified Laboratory Report Form

WQCD - Drinking Water CAS

4300 Cherry Creck Drive South; Denver, CO 80246-1530 Fax: (303) 758-1398; cdohe.drinkingwater@state.co.us



Revision 6/13/2014

| and bavissomen | | | rax: (303) /38-1398; capne.arinkingwater(a)state.co.us | apne.arinkingw | ater(a)state.co.us | | | | |
|-------------------------|-----------------------------------|--|--|------------------------------|--|----------------------------------|-----------------------|---------------|------------|
| | Section | Section I (Supplied or Completed by Public | blic Water System) | | Section II (Supplied or Completed by Certified Laboratory) | d or Completed | by Certified L | aboratory) | |
| | A. | Public Water System Information | | | Certified La | Certified Laboratory Information | ation | | |
| PWS ID: C00121724 | 21724 | | | Laboratory ID: CO 00008 | 80000 | | | | |
| System Name: Lfh-1 | Cfb-1 | | | Laboratory Name | Laboratory Name: Hazen Research, Inc. | | | | |
| Contact Person: | | | Phone #: | Contact Person: Jessica Axen | ssica Axen | | Phone #: 303-279-4501 | 279-4501 | |
| Comments: | <u>.</u> | | Do Samples Need to be Composited BY THE LAB? | Comments: | - | | | | |
| | | | | | | | | | |
| | | | Section III (Suppl | ied or Completed by | Section III (Supplied or Completed by Public Water System) | | | | |
| Sample Date: 02/16/2017 | 02/16/2017 | Collector: Stephanie Schwenke Facility ID (On Schedule): | Facility ID (On Schedule | | Sample Pt ID (On Schedule): | | | | |
| | | | Section IV Radionuclides | (Supplied or Comp | Section IV Radionuclides (Supplied or Completed by Certified Laboratory) | ory) | | | |
| Lab Receipt Date | Lab Receipt Lab Analysis Date | Lab Sample ID | Analyte Name (Code) | (Code) | CAS No. | Analytical Method | MCL | Lab MRL | Result |
| 710071/20 | 03/02/2017 | R16917_001 | Gross Alpha Including Uranium (4002) | Uranium (4002) | 12587-46-1 | SM 7110 B | N/A | 1.5 | 0.0(±0.0) |
| | | | Combined Uranium (4006) | m (4006) | 7440-61-1 | D2907-97 | 30 ug/L | | |
| 02/17/2017 | 03/03/2017 | B16917-001 | Radium -226 (4020) | (4020) | 13982-63-3 | SM 7500-Ra B | N/A | 0.1 | 0.0(±0.2) |
| 02/17/2017 | 03/14/2017 | B16917-001 | Radium -228 (4030) | (4030) | 15262-20-1 | EPA Ra-05 | N/A | 8.0 | 0.0(±0.8) |
| 02/17/2017 | 03/02/2017 | B16917-001 | Gross Beta (4100) | 4100) | 12587-47-2 | SM 7110 B | 50 pCi/L* | 2.2 | 0.0(±2.1) |
| | | | Total Dissolved Solids (1930) | lids (1930) | | EPA 160.3 | N/A | | |
| *The MCL fo | r Gross Beta F | *The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L BPA considers 50 pCi/L to be the level of concern. | r. Since there is no simple | conversion betwe | en mrem/year and pCi/L | EPA considers 5 | 0 pCi/L to be | e the level o | f concern. |
| | | | Section V Calculated Values | Values | | | | | |
| | | ₩/N | Gross Alpha Excluding Uranium (4000) | Uranium (4000) | Calculated Value | ilue | 15 pCi/L | N/A | |
| | 4 | 47 F.L. | Combined Radium {-226 & -228} (4010) | 6 & -228} (4010) | Calculated Value | ılue | 5 pCi/L | N/A | |

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter

pCi/L: Picocuries per Liter

MCL: Maximum Contaminant Level

| Report To Information | Bill To Information (If different from report to) | State Form / Project Information |
|--------------------------------------|---|--|
| Company Name: Colorado Analytical | Company Name: Same As Report To | PWSID: C00121724 |
| Confact Name: Stuart Nielson | Contact Name: | System Name: Lfh-1 |
| Address: 240 S. Main St. | Address: | System Address: No. 1/4 Nw. 1/4 527 |
| City: Brighton State: CO Zip: 80601 | City: State: Zip: | T125 R65w 6th Pm City: Colorado Spgs State: CO Zip: 80908 |
| Phone:303-659-2313 Fax:303-659-2315 | Phone: Fax: | County: El Paso |
| Email: stuartnielson@coloradolab.com | Email: | Compliance Samples: Yes ⊠ No □ |
| Sampler Name: Stephanic Schwenke | PO No.: | Send Forms to State: Yes No 🛛 |

| | Colorado Analo |
|----|----------------|
| -5 | J.C. |

Brighton Lab 240 South Main Street Brighton, CO 80601 Lakewood Lab
12860 W. Cedar Dr, Suite 101
Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

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| | Alalan | | | ions:Pleas | | | | | | | 7 7 | 0906 | Time | | Task Number | |
| - | 4 | | | e print on s | | | | | | | MCM | | Client S | | | |
| 2011 | 2/17/16 | | | Instructions:Please print on state forms but do not submit to CDPHE. Thanks! | | : | | | 140 | | BOTTLES | 170217005-01 LFH-1 | Client Sample ID / EP Code | | | |
| | Received By: | | | ot submit | | | | | | | | | ode | <u> </u> | | |
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| | Date/ | | | | | | | | | | | | 505 | Pests/PCBs | _ | |
| | Date/lime: | | | | | | | | | | | | 515.4 | Herbicides | | PH |
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| | | Deli | | C/S Info: | | | | | | | | | 525.2 | 2 SOCs-Pest | | I, I |
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| | Dat | C/S/C | | | | | | | | | | | Lead | /Copper | | lyse |
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| | 24 | ģ | D | ls Pre | P | | | | | | | | Inorg | ganics | | ysis) |
| | 11/2 | °C /Ice | 1 | Seals Present Yes | 7 | | | | | | | | Alk./ | Lang, Index | | |
| | () 3 | 8 | 7 | 3 | | | | | | | | | TOC | , DOC (Circl | e) | |
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| | 9 | 문 | 公 | H | | | | | | | | | | | | : |
| 1 | 02/ | Sample Pres. Yes 🗌 No 🗌 | (2) | Headspace Yes | | | | | | | | X | Gros | s Alpha/Beta | | Subc |
| | 7 Da | S C |) # | ace Y | | | | | | | | X | Radi | um 226 | | ontr |
| | Date/Time: | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 42 | | 山 | | | | | | | X | Radi | um 228 | | act A |
| | Date/Time: 430 | - | 12 | Ö | 6 | | | | | | | X | Rado | n | | Subcontract Analyses |
| | O.Z. | | / | J | | | | | | | | | Uran | ium | | 2 |



Analytical Results

TASK NO: 170217005

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water

20 Boulder Crescent St.

Colorado Springs CO 80903

Task No.: 170217005

Client PO:

Client Project: LFH-1 CO-0121724

Date Received: 2/17/17

Date Reported: 3/6/17

Matrix: Water - Drinking

Customer Sample ID LFH-1
Sample Date/Time: 2/16/17

Lab Number: 170217005-01

| Test | Result | Method | ML | Date Analyzed | Analyzed By |
|------------------------|---------------------|-------------|------|---------------|-------------|
| Bicarbonate | 155.5 mg/L as CaCO3 | SM 2320-B | 0.1 | 2/20/17 | VDB |
| Calcium as CaCO3 | 6.3 mg/L | SM 3111-B | 0.1 | 2/24/17 | MBN |
| Carbonate | 4.0 mg/L as CaCO3 | SM 2320-B | 0.1 | 2/20/17 | VDB |
| Langelier Index | -0.43 units | SM 2330-B | | 2/24/17 | SAN |
| pH | 8.44 units | SM 4500-H-B | 0.01 | 2/17/17 | MBN |
| Temperature | 20 °C | SM 4500-H-B | 1 | 2/17/17 | MBN |
| Total Alkalinity | 159.5 mg/L as CaCO3 | SM 2320-B | 0.1 | 2/20/17 | VDB |
| Total Dissolved Solids | 456 mg/L | SM 2540-C | 5 | 2/23/17 | ISG |

Abbreviations/ References:

Mt. = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY

Bill To Information (If different from report to) State Form / Project Information

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240 South Main Street Brighton, CO 80601 Brighton Lab

Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313

AFax: 303-659-2315

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| .1 | 1-14 | • | | |

Sampler Name: Storan Shuxakd PONO.

Email: Myolle @ Jashydro, Com

Phone: 719-227-007drax:

Phone:

Fax:

County: El Paso

Cr

State OZip Sto903

City ColoSocissine Cozin 80903

Singly sund zigogo

TIDS RESW 6#AH

Address: 20 Beauther Crescentst

Ne 1/4 Nw 1/4

027

Contact Name: Jim Morley

PWSID: Co. DI 21724 System Name: LFH-1

Company Name: SP Waster

Address S45 E. Piles Real Air

Suite 200

Contact Name | LOVE Volle

Company Name: JDS-Hydro

Report To Information

| | | Relinante | Instructions: | 8.5.8 | N5.60 | × S | 2000 | 0000 | | , , o , o , o , o , o , o , o , o , o , | TOOCH | 3:30 | 100 | -1.51 | | CAL Task No. |
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| | Date/Time: | | | | × | | | | | | | | × | × | Total Coliform P/A 504.1 EDB/DBCP 505 Pests/PCBs | |
| | Relinquished By: | Delivered Via: Delivered | C/S Info: | × | | * | | | | | | ς . | | | 525.2 SOCs-Pest 531.1 Carbamates 547 Glyphosate 548.1 Endothall 549.2 Diquat | PHASE I, II, V Drinking We |
| | Date/Timek | C/S Charge N T | > 2 | | | | | | ×.×. | | | | | | 524.2 TTHMs 552.2 HAA5s Lead/Copper Nitrate Nitrite | ing Water Analyses (check analysis) |
| | - | Temp. A °C/Ice 4 | Scals Present Yes No W | | | | × | , | × | | | | | | TOO DOC (Circle) SUVA, UV 254 (Circle) | malysis) |
| | 9 | Sample Pres. Yes No No | Headspace Yes No | | | | | X | | | | | | | Gross Alpha/Beta Radium 226 Radium 228 Radon Uranium | Subcontract Analysis |

| | CAL Task No. 170217005 | Sampler Name: STEPH SCHWENKE | Email: Bar Myalle @ joshydra, con Email: jmorley@ 3870@gol.com Compliance Samples: Yes X No | Phone: 719-227-0072 Fax: | CityCas SP65 State Co Zip \$0903 | SUCTE 300 | SHS F. BYES PEAK AND | Address: | Company Name: UDS HYDRO | Report To Information |
|--------------------------|---------------------------------|------------------------------|---|--------------------------|------------------------------------|------------|--|--------------------------|-------------------------|---|
| iners | | PO No.: | Email: | Phone: | City COLO Stass State COZip (OP 03 | | Address: Add | Contact Name: 3747 MOKIE | Company Name: SR WATER | Bill To Information (If different from report to) |
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| rides ; -Pest mates sate | PHASE I, II, V Drinking | © | S | 0 | 0 | | 겨 | | ļ., | CO. |
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Colorado
Analytical
LABORATORIES, INC.

Brighton Lab
240 South Main Street
Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

It's state forms

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|------------------|--------------|-----|--|--------------|--------------|--------------|--------------|------|--------------|----------|--------------|----------|------|-----------|---------|----------------------------|-----------------|--------------|----------------------|------------------------------------|
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Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

NOX

Revised 4/13/2015

| ATTA EZIMICONICON | | | | | | | | | | | |
|----------------------------|--|-----------------------------|---------------|--------------|-----------|--|--|---------------|---------------------|-----------------|--------|
| Sect | Section I (Supplied or Completed by Public Water System) | ed by Public W | (ater System) | | | Section II (S | Section II (Supplied or Completed by Certified Laboratory) | pleted by Cer | ified Lab | hratory | |
| | Public Water System Information | em Informatio | n | | | | Certified Laboratory Information | atory Inform | nation | A MANAGE TO THE | |
| PWSID#: CO-0121724 | 1724 | | | | Laborato | Laboratory ID: CO 0015 | | | | | |
| System Name: LFH-1 | H-1 | | i | | Laborato | Laboratory Name: Colorado Analytical Laboratory | ido Analytical Li | aboratory | | | |
| Contact Person: Mark Volle | fark Volle | I | Phone #: 719 | 719-227-0072 | Contact J | Contact Person: Customer Service | r Service | Phone: 3 | Phone: 303-659-2313 | 113 | |
| Comments: | | | | | Comments: | ıts: | : | | | | |
| Section III (S | Section III (Supplied or Completed by Public Water System) | ublic Water Sy | stem) | | Sec | Section IV (Supplied or Completed by Certified Laboratory) | or Completed b | v Certified L | aboratory | | |
| Sample Collector | н Facifity ID On Schedule | Sample Pt II) Confirmation? | Confirmation? | 世 | Lab Analy | Laboratory | Analyte | Analytical | MCL | Lab MRI. | Result |
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| 2/10/1/ cpnanic schwenk | WCTIK | | | 2/17/17 | 2/17/17 | 170217005-01 | Nitrate Nitrogen | EPA 300.0 | 01 | 0.1 | BDL |
| 2/16/17 tephanie Schwenk | wenk | | | 2/17/17 | 71/11/2 | 170217005-01 | Nitrite Nitrogen | EPA 300.0 | _ | 0.1 | BDL |

mg/L: Milligrams per Liter MCL: Maximum Contaminant Level

NT: Not Tested Lah MRI.: Laboratory Minimum Reporting Level BDL: Below Laboratory MRI. A less than (<) may also used.

3/6/17 170217005-01

| 170217005 | Sampler Name: Se prome Shusente PONO. | Email: Myolle@jdshydro.com Email: jmortly 3070 achtom compliance Samples: Yes 1 No. | Phone: 119-227-007drax: | City CS StanCOzip 80903 | Suit 200 | SHS E. P. Ves Peak Ave | Contact Names BAC VOLK | Company Name: UDS-Hudro | |
|---|---------------------------------------|---|-------------------------|----------------------------------|------------------|---|---------------------------|-------------------------|---|
| | PO No.: | Email: j markly 38 20 achton | Phone: Fax: | City ColoSpession Cozip S0903 | | Address: 20 Bentler (resents) Address: 14 NW1/4 527 | Contact Name: J. M Marley | Company Name: Skubler | Bull To Information (If different from report to) |
| PHASE I, II, V Drinking Water Analyses (check analysis) | Send Forms to State: Yes No X | Y | | City ledo Seris Sunt CD zigo 90% | TIDS BESW 1 TOWN | Address; /4 Nw /4 527 | System Name: | rwsid: Co. DI 21724 | State Form Project Information |
| ilysis) | 14°C | www.colorad | AFax: 303-659- | Phone: 303-6 | 12860 W. Cec | Lakewood La | Brighton, CO | Brighton Lab | LABORATORIES, |

<u>Ab</u> Main Street CO 80601

Lab Cedar Dr, Suite 100A CO 80228

-659-2313 59-2315

dolab.com

| | Fluoride | |
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| | Inorganics | an You |
| | Alk./Lang. Index | ٤ |
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| | SUVA, UV 254 (Circle) | |
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| | Radon | 7.00 |
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Date | Time

Client Sample ID / EP Code

No. of Containers

Residual Chlorine (mg/L) P/A Samples Only

Total Coliform P/A

504.1 EDB/DBCP 505 Pests/PCBs 515.4 Herbicides 524.2 VOCs

525.2 SOCs-Pest

531.1 Carbamates 547 Glyphosate 548.1 Endothall 549.2 Diquat 524.2 TTHMs 552.2 HAA5s

Lead/Copper

Nitrate Nitrite

5 3 7 C

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1253 60

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Received By: °C /Ice Sample Pres. Yes N Date/Time **₽** Scals Present Yes | No | No

Headspace Yes | No |

date Time:

Delivered Via:

Relinquished By:

Date/Time

C/S Info:

Instructions:

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Uranium

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| ABORATORIES, INC. | ticol | |

| Webort to information | Bill To information (If different from report to) | State Form / Project Information |
|---|--|-----------------------------------|
| Company Name: JDS HNDRO | Company Name: SR WATER | וניבורוס מל |
| Contact Name: MARK VOLLE | Contact Name: OTA MORLEY | System Name: |
| A 3.5 | COURSE NAME: CAT TOO TO | TTE-1 |
| SYS E. BYEN PEAK AND | SHS E. PEAK AND Address 20 BOWLDER CRESCENT ST NEW NOW 527 | NEW NOW S27 |
| SUSTR- 300 | | T125 RGSW 67 PM |
| CityCon SP65 State COZip \$0903 | City Colo 365 State Cozip 60903 | CityCOLO SPGS StateCO Zip (10908) |
| Phone: 719-227-0072 Fax: | Phone: Fax: | County: EL PASO |
| Email: Bar Myalle & jobshydro, con Email: jmorley@ 3870@acl. con Compliance Samples: Yes X No | Email: jmorley@3870@ach.com | Compliance Samples: Yes X No |

Brighton Lab
240 South Main Street
Brighton, CO 80601

Lakewood Lab
12860 W. Cedar Dr., Suite 100A

Phone: 303-659-2313 Fax: 303-659-2315 Lakewood CO 80228

www.coloradolab.com

please the share forms

Send Forms to State: Yes No X

Sampler Name: STEPH SCHWENKE

| | | Instructions: | M. Cho | £15.5 | 1 kg | 8:44 | JIP 8340 | £175 E | 3,75 | 9:50 | 2 6 5 3 | Date Time | ARF | 200717005 | CAL Task No. |
|--------------------|----------------------|------------------------|--------|-------|------|------|----------|--------|------|------|---------|----------------------------|---|-----------|---|
| 1/6/17 3:50 | | | ある | | L!# | 416 | #15 | 1年 | 中 | 412 | # | Client Sample ID / EP Code | | | |
| Son Reported By: | 1 | 211 +) SOUBLAND | فن | | | | | _ | v | W | w | No. o | f Containers | | |
| 2/17/11 | | lank | r | | | • | | | | | | P/A S Total 504.1 | amples Only Coliform F EDB/DBC Pests/PCBs | P/A | |
| OGO Relinquished B | Vo A Delivered Via: | C/S Info | × | | | | | | | | | 525.2 531.1 | Herbicides VOCs 6 SOCs-Pest Carbamate | 24 | PHASE I, II, V |
| ished By: | 5 | | | × | | | | | | | | 548.1 549.2 524.2 | Endothall Diquat TTHMs | | PHASE I, II, V Drinking Water Analyses (check analysis) |
| Date/Time: | C/S Charge | | | | | | | | | | | Lead/ Nitrat | e Decoration | | Analyses (check |
| Received By: | Temp. O °C/lee \ | Seals Present Yes 🗌 No | | | X | | | | | | | Inorga Alk./I | المعادر | le) | analysis) |
| Date/Time: | Sample Pres. Yes 10 | No N Headspace Yes No | | | | • | × | × | | ×. | × | Gross Radiu Radiu | Alpha/Beta m 226 m 228 | | Subcontract Analyses |
| | | 2 | | | | | | X | 1 | | | Urani | um age 3,01 | | nalyses |

Organic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS

Submit Online at http://www.wqcdcompliance.com/login

VOC/SOC

Revised 4/13/2015

| | ection I (Sumfie | Section I (Sumiled or Completed by Public Water System) | w Woter Crestom) | Confine II (Conse | A section of the sect | | | |
|----------------------------|----------------------|---|--|---|--|---------------|------|---------|
| | Public | Public Water System Information | nation | Section 1 Library | Certified Laboratory Information | Ition Laboral | (Alg | |
| PWSID#: CO-0121724 | | | | Laboratory ID: CO 00063 | AND THE PERSON AND TH | | | |
| System Name: LFH-1 | LFH-1 | | | Laboratory Name: Colorado Analytical Laboratory | nalytical Laboratory | | | |
| Contact Person: Mark Volle | : Mark Volle | | Phone #: 719-227-0072 | Contact Person: Customer Service | Phone: | 303-659-2313 | | |
| Comments: | | | Do Samples Need to be | Comments: | -1 -0 -0 -0 -0 -0 -0 | | | |
| | · | | Composited BY THE LAB? | | | | | |
| PWSID#: CO-0121724 | 21724 | | Section V (Supplied or Compl | (Supplied or Completed by Public Water System) | | | | |
| Sample Date: 2/16/17 | | Collector: Stephanie Sc | | Sample | Sample Pt ID (On Schedule): | | | |
| | | Section VJ S | Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory) | plied or Completed by Certified | Laboratory) | | | |
| Lab Receipt Date | Lab Analysis Date | Lab Sample ID | Analyte Name | CAS No. | ical | | WRL | Result |
| 2/17/17 | 2/24/17 | 170217005-01E | Dibromochloropropane | 96-12-8 | EPA 504.1 0.2 | (1007) | 12 | (ug/L.) |
| 2/17/17 | 3/1/17 | 170217005-01G | 2,4,-D | 94-75-7 | | | | BDL |
| 2/17/17 | 3/1/17 | 170217005-01G | 2,4,5.TP | 93-72-1 | EPA 515.4 50 | | 2 | BDL |
| 21/1/1/2 | 2/23/17 | 170217005-01H | Alachlor | 15972-60-8 | EPA 525.2 2 | 0.2 | 2 | BDI. |
| 2/17/17 | 3/2/17 | 170217005-011 | Aldicarb | 116-06-3 | EPA 531.1 N/A | A 0.6 | 9 | BDL |
| 2/17/17 | 3/2/17 | 170217005-011 | Aldicarb sulfone | 1646-88-4 | EPA 531.1 N/A | - | | BDL |
| 2/1/71/2 | 3/2/17 | 170217005-011 | Aldicarb suffoxide | 1646-87-3 | EPA 531.1 N/A | A 0.7 | 7 | BDL |
| 2/17/17 | 2/23/17 | 170217005-0111 | Atrazine | 1912-24-9 | EPA 525.2 3 | 1.0 | 1 | BDI. |
| 2/17/17 | 2/23/17 | 170217005-01H | Benzo(a)pyrene | 50-32-8 | EPA 525.2 0.2 | 0.02 | 12 | BDL |
| 2/17/17 | 3/2/17 | 170217005-011 | Carbofuran | 1563-66-2 | EPA 531.1 40 | 6.0 | 6 | BDL |
| 2/1//17 | 2/24/17 | 170217005-01F | Chlordane | 57-74-9 | | 0.2 | 2 | BDI. |
| 71//1/2 | 3/1/17 | 170217005-01G | Dalapon | 75-99-0 | | 1 | | BDL |
| 71/1/17 | 2/23/17 | 170217005-0111 | Di(2-ethylhexyl)adipate | 103-23-1 | EPA 525.2 400 | 0.0 | 9 | BDL |
| 2/1//17 | 2/23/17 | 170217005-01H | Di(2-ethylhexyl)phthalate | 117-81-7 | | 0.0 | 9 | BDI. |
| 71//1/2 | 3/1/17 | 170217005-01G | Dinosch | 85-85-7 | EPA 515.4 | 0.2 | 2 | BDL |
| 2/17/17 | 2/23/17 | 170217005-01K | Diquat | 85-00-7 | | 0.4 | 4 | BDL |
| 11//1/2 | 2/23/17 | 170217005-013 | Endothall | 145-73-3 | EPA 548.1 100 | 6 0 | | BDL |
| 2/11/1/2 | 2/24/17 | 170217005-01F | Endrin | 72-20-8 | EPA 505 2 | 0.01 | 10 | BDL |
| 71//1/2 | 2/24/17 | 170217005-01E | Ethylene dibromide | 106-93-4 | EPA 504.1 0.05 | 5 0.01 | = | BDI. |
| 11/11/7 | 2/23/17 | 170217005-01H | Heptachlor | 76-44-8 | EPA 525.2 0.4 | 0.04 | 4 | BDL |
| 2/17/17 | 2/24/17 | 170217005-01F | Heptachlor epoxide | 1024-57-3 | EPA 505 0.2 | 0.02 | 12 | BDL |

NT: Not Tested ug/L: Micrograms per Liter MCL: Maximum Contaminant Level BDL Below Laboratory MRL A less than sign (<) may also be used.

170217005-01

1/2 3/6/17

| | Γ | | | | | Γ | Τ | Г | Γ | Τ | Г | Т | Γ | Т |
|--|-----------------------------------|--|---------------|---------|-------------------|---------------------------|---------------|---------------|---------------|-------------------|---------------|----------------------------|---------------|---------------|
| | | | Result | (ug/L) | BDL | BDL | BDL | BDL | BDL | RDL | BDL | BDL | BDI. | BDI |
| | | | Lab MRL | (ng/L,) | 0.1 | 0.1 | 0.02 | 0.1 | 1 | 0.04 | 0.1 | 0.1 | 0.07 | - |
| | L | | MCL | (mg/l.) | I | 50 | 0.2 | 40 | 200 | - | 200 | 0.5 | 4 | 3 |
| | Sample Pt ID (On Schedule): | aboratory) | Analytical | Method | EPA 505 | EPA 505 | EPA 505 | EPA 505 | EPA 531.1 | EPA 515.4 | EPA 515.4 | EPA 505 | EPA 525.2 | EPA 505 |
| blic Water System) | Sample Pt | ompleted by Certified L | CAS No | | 118-74-1 | 77-47-4 | 58-89-9 | 72-43-5 | 23135-22-0 | 87-86-5 | 1918-02-1 | 1336-36-3 | 122-34-9 | 8001-35-2 |
| Section V (Supplied or Completed by Public Water System) | chwenk Facility ID (On Schedule): | Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory) | Analyte Name | | Hexachlorobenzene | Hexachlorocyclopentadiene | Lindane | Methoxychlor | Oxamyl | Pentachlorophenol | Picloram | Polychlorinated biphenyl's | Simazine | Toxaphene |
| | Collector: Stephanie Schwenk Faci | Section VI S | Lab Sample ID | | 170217005-01F | 170217005-01F | 170217005-01F | 170217005-01F | 170217005-011 | 170217005-01G | 170217005-01G | 170217005-01F | 170217005-01H | 170217005-01F |
| 1724 | 6/17 | | Lab Analysis | Date | 2/24/17 | 2/24/17 | 2/24/17 | 2/24/17 | 3/2/17 | 3/1/17 | 3/1/17 | 2/24/17 | 2/23/17 | 2/24/17 |
| PWSID#: CO-0121724 | Sample Date: 2/16/17 | | Lab Receipt | Date | 2/17/17 | 21/11/2 | 2/17/17 | 2/17/17 | 2/17/17 | 21/117 | 2/17/17 | 2/17/17 | 2/17/17 | 2/17/17 |

| 170217005 | Sampler Name: Se Craine Schwenke PONO: | Email: Myolle@jdshydro, com Email: jmorthy 38 10000, com Compliance Samples: Yes Ming | Phone: 119-227-007drax: | City CS Stant Ozip 80903 | Wit 300 | THIS E. P. Vas Peak Ave | | 0 | |
|---|--|---|-------------------------|-------------------------------|-----------------|---|-----------------------------|------------------------|---|
| | PONo.: | Email: j mortly 28 10 ach con | Phone: Fax: | city ColoSpession COZip 80903 | | Address: 20 Denuber (resentst Address: Address: | Contact Name: Jim Markey | Company Name: SP Waker | But To Information (If different from report to) State Form / Project Information |
| PHASE I, II, V Drinking Water Analyses (check analysis) | Send Forms to State: Yes No 31 | Y | | W " | TIDS PASK LATER | Address: | System Name: | PWSID: 10-012111 | State Form / Project Information |
| \$15) | v | e www.colorad | AFax: 303-659 | Phone: 303-6 | 12860 W. Ce | Lakewood La | 240 South M Brighton, CC | Brighton Lal | LABORATORIES, |

LABORATORIES, INC.

Main Street

Lab Cedar Dr, Suite 100A CO 80228

-659-2313 59-2315 dolab.com

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|-----------------------|------|
| Alk./Lang. Index | ٤ |
| TOC DOC (Circle) | |
| SUVA, UV 254 (Circle) | |
| metals | |
| Gross Alpha/Beta | |
| Radium 226 | 2000 |
| Radium 228 | |
| Radon | Alla |
| Uranium | Vec |

1 PROR 1914

Date | Time

Client Sample ID / EP Code

No. of Containers

Residual Chlorine (mg/L) P/A Samplés Only

Total Coliform P/A

504.1 EDB/DBCP 505 Pests/PCBs 515.4 Herbicides 524.2 VOCs

525.2 SOCs-Pest

531.1 Carbamates 547 Glyphosate 548.1 Endothall 549.2 Diquat **524.2 TTHMs** 552.2 HAA5s

Lead/Copper

Nitrate Nitrite

Fluoride

Inorganics

ARF

Instructions:

Date/Time:

Date Time:

Delivered Via:

Relinquished By:

Date/Time

Received By:

°C/Ice

Sample Pres. Yes No |

C/S Info:

Seals Present Yes | No |

Headspace Yes No

HS%

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E CO

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1155F. 7:30 17.70

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1252

Bill To information (If different from report to)

State Form / Project Information

Report To Information

|) () () () () () () () () () (| Delina | Instructions: | | | | | | F | ř | | | 100 | Date | 1 | 7 17 | CA | Sample | Email: @ | Phone | CityCo | | | Address | Comp |
|---|-----------------|------------------------|----------|----------|-----------|----------|----------|-----------------|----------|-----------|----------|----------|----------------------------|---|-------------------------------------|--------------|---------------------------------|--|-------------------------|---------------------------------|---|---------------|---|------------------|
| N N N N N N N N N N N N N N N N N N N | | tions: | | 11.19 | 415S | 8. | 87.44 | 334C | 545° | 2,5 | Sil | 2,31 | Time | ARF | 170217005 | CAL Task No. | Sampler Name: | 7 | 五9-22 | CityCoa SP65 | NATURE OF THE PROPERTY OF THE | 545 | Name: | |
| July 17 2: Rep Reserved by: | | +175 | | #19 | 814 | | # 6 | 15 | 中一工 | 中で | もの | # | Client Sample ID / EP Code | | | | SIEPH KLEDICKE | mualle @ jolshydra. com | Phone: 719-227-0072Fax: | State Co Zip \$0903 | 300 | (4) | THAKK VOLCE | |
| Ž | | 25 (| - | E) | | | | | _ | U | W | 63 | No. of | f Containers | - | | PO No.: | Emai | Phone: | City | | Address: 20 | Con | Com |
| 7, ä | | 7 | | | \$- | | - | | | | | 5 | | ual Chlorine | - | | 9 | 15 | e. | 50 | | 10° | act N | pany |
| * | | SOYBLANK | | | | | | | | | | | (mg/L |) amples Only | | | | Email: jmorley@ 3870@aol.comCompliance Samples: Yes X No | | City Colo Abs State Co Zip | | 0 80 | Contact Name: JY | Company Name: SR |
| 7 = | | F | _ | | | | | | | | | | Total | Coliform P/A | | 7 | | SH S | | Sta | | BOULDER | K | - 1 |
| Date/Time: | | | \dashv | | | _ | | | _ | _ | | | 504.1 | EDB/DBCP | | | | S | | ا ا | | S | 3 | WATTER |
|) III e: | | - | \dashv | | | - | | _ | \dashv | _ | | | 505 I | Pests/PCBs | | | | 2 | Fax: | Zip | | 0 | MOKIEY Y | 25 |
| 0000 | 140.0 | | | | _ | | | _ | | _ | _ | _ | | Herbicides . | 3 | | | (D) | | ô | | CRESCENT ST | D | |
| 8 | Vop | | - | | -+ | - | \dashv | | \dashv | | \dashv | | | VOCE 62 | FRASE I, | | | 20 | | %0903 | | 17.3 13.3 | | |
| Reli | Delivered | C/S Info: | \dashv | + | - | \dashv | | \dashv | - | + | | \dashv | | SOC's-Pest | | | | Ē | | | | S | | 1 |
| Relinquished By: | <u>a</u> ≤1/ | 퀫 | + | - | - | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | | Carbamates | ↓ , | | Ser | S S | S | Ω | <u>L</u> | | Sy | 7 |
| shed | ح : | . | \dashv | \dashv | - | + | - | \dashv | - | - | \dashv | - | | lyphosate | Drink | <u>' </u> | Send Forms to State: Yes T.No M | | County: 6 | CityCOLO 5965 StateCO Zip (0908 | 125 | Address No 'A | System Name: | WSID. |
| By: | 0 | | | | X | \dashv | \dashv | - | \dashv | \dashv | \dashv | + | | Endothall | King | | rens to | mee S | 7 | 6 | W | X | | ر ا |
| | Sex | , | \dashv | | \forall | \dashv | - | + | \dashv | + | \dashv | \dashv | | Diquat TTHMs | - ₹ | | Stat | ample Diameter | 宝 | 200 | 86 | E | | 5 |
| | | | + | \dashv | + | \dashv | \dashv | \dashv | \dashv | \dashv | + | \dashv | | HAA5s | 15 | | ¤ ≾ 2. | :s: | PASO | S Star | BG5W | 7 | | 0 |
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| Date/Time: | C/S Charge | r | \top | \dashv | \top | + | \dashv | + | \dashv | + | \dashv | \dashv | Nitrate | | yses. | | <u> </u> | 6 | | Zip | 674 | 7 | | 7 |
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| Rec | | is Pr | 7 | | 7 | | \top | 1 | | _ | \top | - 1 | Inorga | | ing Water Analyses (check analysis) | | 48 | | | | | | | |
| Received By: | ب | Scals Present Yes No N | | | \top | | 1 | 丁 | | \top | 1 | | | ang. Index | 5 | 1 | Trepit Sul | | | | | | | |
| By: | of In | Yes | | | | | | | | \top | | | | OOC (Circle) | 1 | | 江 | WW. | Fax | Pho | 128 Lal | | 240 Bri | Bri |
| | _ | S | | | | | | | | | | | SUVA, L | JV 254 (Circle) | 1 | 1 | r | W.CO | :: 30: | ne: | kewo | (ewo | Soughto | ghto |
| Ç. | | | • | \perp | | | | | | Þ | 4 | | 1,41 | Siexane | | | \$ | www.coloradolab.com | Fax: 303-659-2315 | Phone: 303-659-2313 | 12860 W. Cedar Dr, (Lakewood CO 80228 | akewood Lab | 240 South Main Street Brighton, CO 80601 | Brighton Lab |
| ָּם בַּ | | eadsp | 1 | _ | \perp | | 2 | \triangleleft | | | \perp | | Gross A | Alpha/Beta | Sut |] | A. | dotal |)-231 | 559 | | d | lain 0 80 | |
| ite/T | | ace Y | 1 | \perp | \perp | | \perp | | \perp | | _> | < ! | Radium | 1 226 | cont | | ď. | 0.001 | ζ A | <u> </u> | 22 P. | | Stre 601 | |
| ii (| <u> </u> | 2 | 1 | \perp | \perp | \perp | \perp | \perp | | | > | < 1 | Radium | 228 | ract | | fax forms | ı | | | Suit | | et | |
| Date/Time: | 7 3 7 | Headspace Yes No | _ | _ | \perp | \perp | 1 | - | 4 | | 1 | 4 | Radon | Cyamide | Subcontract Analyses | | V | | | | Jakewood CO 80228 | | | |
| | ر | | \perp | \perp | | \perp | | | | | | _ 1 | Uraniui | | ¥803 | | | | | | × | | | |
| | | | | | | | | | - 1 | - 1 | | | 175 | MA A OF A | | | | | | | | | | |

INDRESE Apri 4

Colorado Analytical



Analytical Results

TASK NO: 170217005

Report To: Mark Voile

Company: JDS Hydro Consultants 545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water

20 Boulder Crescent St.

Colorado Springs CO 80903

Task No.: 170217005

Client PO:

Client Project: LFH-1 CO-0121724

Date Received: 2/17/17

Date Reported: 3/6/17

Matrix: Water - Drinking

Customer Sample ID LFH-1 Sample Date/Time: 2/16/17

Lab Number: 170217005-01

| Test | Result | Method | ML | Date Analyzed | Analyzed By |
|----------------------|-------------------|-----------|-------------------|---------------|-------------|
| Chloride | 5.8 mg/L | EPA 300.0 | 0.1 mg/L | 2/17/17 | LJG |
| Cyanide-Free | < 0.005 mg/L | EPA 335.4 | 0.005 mg/L | | VDB |
| E-Coli | < 1 mpn/100ml | Colilert | 1 mpn/100mi | | VDB |
| Sulfate | · | EPA 300.0 | 0.1 mg/L | | ЫG |
| Total Coliform | 142.1 mg/L | Colliert | 1 mpn/100ml | | VDB |
| | 93 mpn/100ml | | • | | ISG |
| Total Organic Carbon | 0.8 mg/L | SM 5310-C | 0.5 mg/L | | |
| Turbidity | 2.49 NTU | SM 2130-B | 0.01 NTU | 2/17/17 | MBN |
| <u>Total</u> | | | | | |
| Aluminum | 0.053 mg/L | EPA 200.8 | 0.001 mg/L | 2/22/17 | TCD |
| Calcium | 2.5 mg/L | EPA 200.7 | 0.1 mg/L | 2/22/17 | MBN |
| Соррег | 0.0026 mg/L | EPA 200.8 | 0.0008 mg/L | | TCD |
| Iron | 0.602 mg/L | EPA 200.7 | 0.005 mg/L | | MBN |
| Lead | 0.0005 mg/L | EPA 200.8 | 0.0001 mg/L | | TCD |
| Magnesium | 0.39 mg/L | EPA 200.7 | 0.02 mg/L | | MBN |
| Manganese | 0.0259 mg/L | EPA 200.8 | 0.0008 mg/L | | TCD |
| Potassium | 1.6 mg/L | EPA 200.7 | 0.1 mg/L | | MBN |
| Silver | < 0.0001 mg/L | EPA 200.8 | 0.0001 mg/L | | TCD |
| Strontium | 0.037 mg/L | EPA 200.8 | 0.005 mg/L | | TCD |
| Total Hardness | 7.7 mg/L as CaCO3 | SM 2340-B | 0.1 mg/L as CaCO3 | | MBN |
| Uranium | < 0.0002 mg/L | EPA 200.8 | 0.0002 mg/L | | TCD |
| Zinc | 0.002 mg/L | EPA 200.8 | 0.001 mg/L | | TCD |

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L = Micrograms Per Liter or PPB mpn/100 mis = Most Probable Number Index/ 100 mis Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY



Analytical Results

TASK NO: 170217005

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley Company: SR Water

20 Boulder Crescent St.

Colorado Springs CO 80903

Task No.: 170217005

Client PO:

Client Project: LFH-1 CO-0121724

Date Received: 2/17/17

Date Reported: 3/6/17

Matrix: Water - Drinking

Customer Sample ID LFH-1
Sample Date/Time: 2/16/17

Lab Number: 170217005-01

| Test | Result | Method | ML. | Date Analyzed | Analyzed By |
|--------------|------------|-----------|------------|---------------|-------------|
| <u>Total</u> | | | | | |
| Zinc | 0,005 mg/L | EPA 200.8 | 0.001 mg/L | . 2/22/17 | TCD |

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY

Bill To Information ([fillferent from report to) State Form / Project Information

| < | | Relinguished By | THE WEST WEST OFF | Janet State of State | 6 | | 2 | 71 | | 1 | | | | Date | ARF | 770217005 | CAL Task No. | Sampler Name: | Email: D | Phone: | City | | 7 | Contact | Company Name: | - |
|--------------|-------------------|------------------|-------------------|---|-----------|----------|------------|-----------|--------------|--------------|--------------|--------------|--------------|----------------------|------------------------|------------------------------------|--------------|-----------------------|------------------------------|--------------------|---------------------|--|--|---|---------------|--|
| 8 | | | 3. | 2.53 | NS.56 | 100 E | 4622 | 600 | 7253 | 35.84 | 7.30 | 3 6 | 16.7 | | 7 | 7005 | isk No. | Varme: | avolle | -66-M | | trans. | 1.354 | Contact Name D/K | y Name: | |
| 11 | DINICO INICO | Dota/Time: | | # | # 0 | # 00 | 4 | 40 | の一年の | 工 | (V) | #2 | | Client Sample ID / E | | | • | chance Sch | Email: Myolle@jdshydro, com | 19-997-काक्षेत्रः | 1 | | E. Pilas Peak P | | DS-Hydro | 上の大変 をというがと かい |
| | | | | | | | | | | | | | | ID / EP Code | | | | Chusened PO No.: | - | ļ | CO008 | | The state of the s | | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
| | | - | | | 8 | Q. | V | بو | | | | نن | ເນ | No. of | Containers | | | ONO | mail: | Phone: | City Colo | <u>.</u> | Address: | Contac | Compa | DI INC |
| \checkmark | ン ^三 | | | | | | | | | <i>c</i> ; , | | | | Residi | ial Chlorine | | | ļ | Email: jms/thy 98 10000, con | | 00 | | (Q) | Contact Name: | Company Name: | COUNTRY DATE |
| ľ | ~ | İ | | | | | 7 | | | | 100 | | | | imples Only | | | | 2 | | \mathbb{X} | | 0 | | INC. | TO THE PERSON |
| | 72 | 1 | | | X | 4 | _ | \dashv | _ | | | _ | | Total | Coliform P/A | | | C | 1 | | PSS tate (OZip | | 7 | 2.3 | (2) | 10.11 E |
| - |)[7] in 6800 | il | | Н | \dashv | _ | \dashv | _ | - | \dashv | | | × | | EDB/DBCP | | | | 6 | | 3 | 1 | He | | 10 | (il different from report to) |
| | e: | | | | \dashv | \dashv | \dashv | \dashv | + | _ | \dashv | × | | | Pests/PCBs | | | | 20 | Fax: | Zip | | 5 | Merley | كمحطرا | mon 1 |
| | 8 | | | H | | \dashv | - | - | \dashv | \dashv | | | | | Herbicides | - ; | | | 6 | | 8 | 1 | rescent St | 7 | 5 | repor |
| | | _ | | | \dashv | × | \dashv | - | \dashv | \dashv | | | | | VOCs | | | | 6 | | 20903 | | 5 | 4 | | 5 |
| | Reli | Delivered Via: | C/S Info: | | + | | + | \dashv | \dashv | 4 | X | \dashv | \dashv | | SOCs-Pest |].]. | | | Ş | | 6 | 1 | 华 | l | | |
| | nqui | 8 ≤+- | ية. | | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | | _ | - | | Carbamates | | | | | ਨ ਹ | Cit | _ | → ≧ | Sys | 2 | - 50 |
| | Relinquished By: | رع " | , | × | \dashv | \dashv | \dashv | \dashv | + | \dashv | | - | \dashv | _ | lyphosate Endothall | V Drinki | | Send Form | Compliance | County: | City (Lobo | SC | ሻ _ያ | te B |) I | THE TO |
| | By: | 8 | | | \forall | \dashv | \dashv | + | \top | + | | | | 549.2 | | 뎚 | | | ice Sa | T. | SARY S | 4 | Address: /4 Nw 1/4 | System Name: | > | State Form - Project Total stan |
| | | 4 | 5 | \dashv | + | \top | + | \top | + | \dashv | | - | \dashv | | TTHMs | ng Water Analyses (check analysis) | | to State: Valley No M | e Samples: Yes X No. | Paso | 5 | P6SW | 2 | | | 1 |
| L | | | | | | 1 | \top | \dagger | _ | \top | T | | 1 | | HAA5s | | | | :: Yes | K | State | Y S | 1/4 | | 0 0 | |
| | Date | C/S C | | | | | 1 | 十 | 7 | 寸 | \dashv | 1 | \dashv | Lead/C | | | | | 3 | U | 8 | | CA | | | |
| | Date/Time | C/S Charge | | | | 1 | | > | 5 | \top | | | | Nitrate | | 8 | | Z , | 0 | | StateCD ZINSUSOS | 6 th Phy | 527 | 9 | י | 3 |
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| \vdash | | Temp. | Sea | | | | | > | × | | | | \Box | Fluoric | le | 8 | 1 | | 9.0 | | 0 0 | <u> </u> | | | | |
| | Received By: | ج | Seals Present Yes | | | | | | | | | | | Inorga | nics 💸 | alysi | | J. J. W. S. | 26 | Ş | | | | | | |
| | ved | - | Sent | | \perp | \perp | | > | <u>د</u> | | · | | | Alk/L | ang. Index | ۳ | | N. | 1 2 | \mathcal{B} | | | | | | |
| | By: | °C /Ice | (<u>e</u> | _ | | Þ | < | | \perp | | | | < | TOCI | OOC (Circle) | | | | IWW | Fax | Pho | 128 Lak | Lak | 240 Brig | Bri | |
| | 1 | 4 | Z 2 | | \perp | \perp | | | _ | \downarrow | \perp | | | SUVA, L | IV 254 (Circle) | | | | ₩.col | AFax: 303-659-2315 | Phone: 303-659-2313 | [2860 W. Cedar Dr. [Lakewood CO 80228 | lakewood Lab | 240 South Main Stri Brighton, CO 80601 | Brighton Lab | |
| | | San 2 | | 1 | _ | \perp | \perp | \perp | _ 2 | < | \perp | _ | | met | als | | | : | orac | 659 | 3 | 6 C | 2 | ς N S | n La | į |
| | Da | ple P | adsba | 4 | _ | \perp | | \perp | \downarrow | 1 | _ | _ | \perp | Gross A | Alpha/Beta | SIL | | | olab | 231 | 9 | 0 8 C | 8 | ain S | 0 | - |
| | Date/Time | Sample Pres, Yes | ice Y | _ | 4 | + | 4 | _ | _ | \perp | \downarrow | _ | \perp | Radium | 226 | contr | | | www.coloradolab.com | Un i | 313 | Dr., 1 | | 240 South Main Street Brighton, CO 80601 | | |
| | | | Headspace Yes No | + | - | + | | | _ | 4 | - | _ | \downarrow | Radium | 228 | Subcontract Analyses | | | 100 | | | 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228 | | * | | |
| | | 2 | 8 | + | + | + | \ <u>\</u> | 4 | + | \downarrow | 4 | \downarrow | _ | Radon | | la di | | | | | | 100 | | | | |
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Colorado Analytical

| Email: Mar Myalle & jobshydorb, con Email: jmorley@3870@aol,conyCompliance Sa | Phone: 719-227-0072Fax: | CityCoa 5P65 State COZip \$0903 | SWEETE 300 | SHS F. BYEN PEAK AND | Address: | Company Name: JDS HNDRO | Report To Information |
|---|-------------------------|----------------------------------|-----------------|---|----------------------------|-------------------------|---|
| Email: jmorley@3870@gol.com | Phone: Fax: | City Colo 365 State Cozip 20903 | | SYS E. PINES PEAK AND Address; 20 BOWLDER CRESCENT ST NEW NOW 527 | Contact Name: 33-77 MORLEY | Company Name: SR WATTER | Bill To Information (If different from report to) |
| mples: Yes X No | County: EL PASO | CityCOLO SPGS StateCO Zip (10708 | T125 RGSW GT PM | NEW NOW 527 | LEH-1 | PWSID: CO-0121724 | State Form / Project Information |
| | | _ | | a lawa | | | - |

Colorado Analytical

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood CO 80228 Lakewood Lab 12860 W. Cedar Dr, Suite 100A

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Presidents state forms

Send Forms to State: Yes TNo X

Sampler Name: STEPH SCHWENKE

CAL Task No.

| 8 | [, | D. | | Inote | | | | | - | - | | | (). | Date | | | |
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| | 300 | Vo. Della | | | × | | | | | | | | | 3914 | SOCs-Pe | 224 | PHASE I, |
| | Relinquished By: | Delivered Via: | C/S Info: | | | | | | | | | | | 547 G | Carbamat lyphosate | | PHASE I, II, V Drink |
| | By: | 2 | 5 | | | × | | | | | | + | | 549.2 | Endothall Diquat TTHMs | | iking Wat |
| | Date | C/S C | | | | | | | | | | | | 552,2 | HAA5s Copper | | er Analy: |
| | Date/Time: | C/S Charge | | | | | | | | | | 1 | | Nitrate Nitrite | 2 | | ses (checi |
| | Recei | Temp 2 | Scals Present Yes | | | | X | | | | | + | | Eluori Inorga | nics | 70 | ing Water Analyses (check analysis) |
| | Received By: | °C/Ice | | | | | | | | _ | | | | тос, | ang. Index | cle) | ٦ |
| | | Samp | No N Head | 5 | + | + | + | • | × | $\frac{1}{1}$ | | ×. | | 1,4 | UV 254 (Circ | e | GO. |
| | Date/Tim | Sample Pres. Yes WiNo | Headspace Yes | | | + | + | - | + | | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | V | Radiu | | a | Subcontract Analyses |
| | *2 | S S | □ 3 □ | | | + | + | + | 7 | Κ | + | | | Raden | Cyam | ide | t Analyses |
| L | | | | | | | | | | ŀ | \ | | | | ige Api | | 7/ |

Billings, MT 800.735.4489 • Casper, WY 888.235.0515

College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

ANALYTICAL SUMMARY REPORT

March 02, 2017

Colorado Analytical Laboratories inc PO Drawer 507 Brighton, CO 80601

Work Order:

C17020566

Quote ID: C4542 - 624, 625, 1,4-Dioxane

Project Name:

170217005 LFH-1 CO-0121724

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 2/21/2017

for analysis.

| Lab ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|--------------------|---------------|--------------|----------------|---|
| C17020566-001 | 170217005-01 LFH-1 | 02/16/17 0:00 | 02/21/17 | Drinking Water | Azeotropic Distilation Separatory Funnel Liquid-Liquid Ext Semi-Volatile Organic Compounds 624-Purgeable Organics Volatile Compounds by Azeotropic Distillation |

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Digitally signed by Randy Horton

Date: 2017.03.02 10:49:28 -07:00

Billings, MT 800.735.4489 • Casper, WY 888.235.0515

College Station, TX 888.690.2218 - Gillette, WY 866.686.7175 - Helena, MT 877.472.0711

CLIENT: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Report Date: 03/02/17

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170217005 LFH-1 CO-0121724

Lab ID:

C17020566-001

Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17

Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

| Analyses | Result | Units Q | ualifiers RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------------------|------------------|---------------------------|----------------|----------------|------------------------|
| VOCS BY AZEOTROPIC DISTILLATIO | N | | | | | |
| 1,4-Dioxane | ND | ug/L | 1.0 | | SW8260M | 02/27/17 11:16 / eli-b |
| Analysis by direct aqueous injection of the sar quantitate the 1,4-Dioxane and account for any | nple distillate. A | deuterated versi | on of 1,4-Dioxane wation. | as added to th | e sample prior | |
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Acetone | ND | ug/L | 20 | | E624 | 02/24/17 19:19 / eli-b |
| Acetonitrile | ND | ug/L | 20 | | E624 | 02/24/17 19:19 / eli-b |
| Acrolein | ND | ug/L | 20 | | E624 | 02/24/17 19:19 / eli-b |
| Acrylonitrile | ND | ug/L | 20 | | E624 | 02/24/17 19:19 / eli-b |
| Benzene | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Bromobenzene | ND | ug/L | 1.0 | | E624 | 02/24/17 19:19 / ell-b |
| Bromochioromethane | ND | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Bromodichloromethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Bromoform | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Bromomethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Carbon disulfide | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Carbon tetrachloride | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Chlorobenzene | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Chlorodibromomethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Chloroethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 2-Chloroethyl vinyl ether | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Chloroform | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Chloromethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 2-Chlorotoluene | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 4-Chlorotoluene | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1.2-Dibromoethane | | ug/L | 1.0 | | E624 | |
| Dibromomethene | | _ | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1,2-Dichlorobenzene | | ug/L | | | E624 | 02/24/17 19:19 / eli-b |
| 1,3-Dichlorobenzene | | ug/L | 1.0 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1,4-Dichlorobenzene | | ug/L | | | | 02/24/17 19:19 / eli-b |
| Dichlorodiflucromethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1.1-Dichloroethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1.2-Dichloroethane | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1,1-Dichloroethene | | ug/L | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| cls-1,2-Dichloroethene | | ug/L | 1.0 | | ≘624 | 02/24/17 19:19 / ell-b |
| trans-1,2-Dichloroethene | ND I | | 1.0 | | =624 | 02/24/17 19:19 / eli-b |
| 1,2-Dichloropropane | ND t | | 1.0 | | 624 | 02/24/17 19:19 / eli-b |
| 1,3-Dichloropropane | ND (| _ | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 2,2-Dichloropropane | ND t | | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| 1,1-Dichloropropene | ND t | - | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| cis-1,3-Dichloropropene | ND (| _ | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| trans-1,3-Dichloropropene | ND (| - | 1.0 | | E624 | 02/24/17 19:19 / eli-b |
| Ethylbenzene | ND (| ug/L | 1.0 | E | E624 | 02/24/17 19:19 / eli-b |

RL - Analyte reporting limit.

Report Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc 170217005 LFH-1 CO-0121724

Project: Lab ID:

C17020566-001

Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17

Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

| Amalueae | Dani. M | Haita | Qualifica | D it | MCL/ QCL Method | Analysis Data / De- |
|--------------------------------|---------|--------------|------------|-------------|--------------------|------------------------|
| Analyses | Result | Units | Qualifiers | RL. | QCL Method | Analysis Date / By |
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | ug/L | 2 | 2.0 | E624 | 02/24/17 19:19 / eli-l |
| Methyl ethyl ketone | ND | ug/L | : | 20 | E624 | 02/24/17 19:19 / eli-l |
| Methyl isobutyl ketone | ND | ug/L | | 10 | E624 | 02/24/17 19:19 / eli-t |
| Methylene chloride | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-l |
| Naphthallene | ND | ug/L | 0 | .50 | E624 | 02/24/17 19:19 / eli-l |
| Styrene | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-t |
| Tetrachloroethene | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-l |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / ell-b |
| Toluene | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / ell-b |
| Trichioroethene | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-t |
| 1,1,1-Trichloroethane | ND | ug/L | | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| 1,1,2-Trichloroethane | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| Frichlorofluoromethane | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| 1,2,3-Trichloropropane | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-t |
| /inyl Acetate | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-t |
| /inyl chloride | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| n+p-Xylenes | ND | ug/L | 1 | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| -Xylene | ND | ug/L | | 1.0 | E624 | 02/24/17 19:19 / eli-t |
| Kylenes, Total | | ug/L | | 1.0 | E624 | 02/24/17 19:19 / eli-b |
| Surr: 1,2-Dichloroethane-d4 | | %REC | | -139 | E624 | 02/24/17 19:19 / eli-b |
| Surr: p-Bromofluorobenzene | | %REC | | -127 | E624 | 02/24/17 19:19 / eli-b |
| Surr: Toluene-d8 | 94.0 | %REC | 80- | -123 | E624 | 02/24/17 19:19 / eli-b |
| SEMI-VOLATILE ORGANIC COMPOU | NDS | | | | | |
| Acenaphthene | ND | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Acenaphthylene | ND | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Anthracene | ND | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Zobenzene | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Benzidine | | ug/L | | 10 | E625 | 02/28/17 13:13 / eli-b |
| Benzo(a)anthracene | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Benzo(a)pyrene | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Benzo(b)fluoranthene | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Benzo(g,h,i)perylene | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Benzo(k)fluoranthene | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| -Bromophenyl phenyl ether | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| Butylbenzyiphthalate | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| -Chloro-3-methylphenol | | ug/L ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| is(-2-chloroethoxy)Methane | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| pis(-2-chloroethyl)Ether | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| vis(2-chloroisopropyl)Ether | | ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| 2-Chloronaphthaiene | | ug/L ug/L | | 10 | E625 | 02/27/17 19:27 / eli-b |
| | ND | ωB⊁ ⊏ | | i V | E020 | 02121111 18.21 1 ell-0 |

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.



College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170217005 LFH-1 CO-0121724

Lab ID:

C17020566-001

Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17 Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL Me | thod | Analysis Date / By |
|-----------------------------|--------|-------|------------|--------|----------------|------|------------------------|
| SEMI-VOLATILE ORGANIC COMPO | PUNDS | | | | _ | | - |
| 4-Chlorophenyl phenyl ether | ND. | ug/L | | 10 | E6: | 25 | 02/27/17 19:27 / eli-b |
| Chrysene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-t |
| Diethyl phthalate | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-t |
| Di-n-butyl phthalate | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| 1,2-Dichlorobenzene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-k |
| 1,3-Dichlorobenzene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / ell-t |
| 1.4-Dichlorobenzene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-t |
| 3,3'-Dichlorobenzidine | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| 2,4-Dichlorophenol | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / ell-b |
| Dimethyl phthalate | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| Di-n-octyl phthalate | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| Dibenzo(a,h)anthracene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| 2,4-Dimethylphenol | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-t |
| 4,6-Dinitro-2-methylphenol | ND | ug/L | | 50 | E6: | | 02/27/17 19:27 / eli-k |
| 2,4-Dinitrophenol | ND | ug/L | | 50 | E6: | | 02/27/17 19:27 / eli-b |
| 2.4-Dinitrotoluene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / ell-b |
| 2,6-Dinitrotoluene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / e(i-k |
| pis(2-ethylhexyl)Phthalate | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-t |
| Fluoranthene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| Fluorene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| Hexachlorobenzene | ND | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| -lexachlorobutadiene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| Hexachlorocyclopentadiene | ND | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| Hexachloroethane | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| ndeno(1,2,3-cd)pyrene | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| sophorone | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| n-Nitrosodimethylamine | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| n-Nitroso-di-n-propylamine | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| -Nitrosodiphenylamine | ND | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| 2-Nitrophenol | ND | ug/L | | 10 | E6: | | 02/27/17 19:27 / eli-b |
| 4-Nitrophenol | ND | ug/L | | 50 | E62 | | 02/27/17 19:27 / eli-b |
| Naphthalene | ND | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| Vaprataiono | ND | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| Pentachiorophenol | ND | ug/L | | 50 | E62 | | 02/27/17 19:27 / eli-b |
| Phenanthrene | | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| Phenol | | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| Pyrene | | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| 1.2.4-Trichiorobenzene | | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| 2,4,6-Trichlorophenol | | ug/L | | 10 | E62 | | 02/27/17 19:27 / eli-b |
| Surr: 2-Fluorobiphenyi | | %REC | | 28-107 | E62 | | 02/27/17 19:27 / eli-b |
| Surr: 2-Fluorophenol | | %REC | | 20-56 | E62 | | 02/27/17 19:27 / eli-b |
| Surr: Nitrobenzene-d5 | | %REC | | 32-94 | E62 | | 02/27/17 19:27 / eli-b |
| Surr: Phenol-d5 | | %REC | | 19-45 | E62 | | 02/27/17 19:27 / eli-b |

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project: Lab ID: 170217005 LFH-1 CO-0121**724** C17020566-001

Client Sample ID: 170217005-01 LFH-1

470047005 04 | 51

Report Date: 03/02/17

Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

| Analyses | Result Units | Qualifiers I | MCL/ RL QCL Method | Analysis Date / By |
|-----------------------------|--------------|--------------|-----------------------|--|
| SEMI-VOLATILE ORGANIC COMPO | DUNDS | | | |
| | | | | |
| Surr: Terphenyl-d14 | 69.0 %REC | 32 | 122 E625 | 02/27/17 19:27 / eli-b |
| | | | 122 E625 130 E625 | 02/27/17 19:27 / eli-b 02/27/17 19:27 / eli-b |

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories inc

Report Date: 03/02/17 Work Order: C17020566

Project: 170217005 LFH-1 CO-0121724

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------|---------------|----------------|-----------------|------|-----------|------------|-----|----------------|-----------|
| Method: E624 | | | | | | | Ar | nalytical Run: | R275391 |
| Lab ID: ccv022417 | Continuing Ca | libration Veri | fication Standa | rd | | | | 02/24 | /17 09:51 |
| Acetone | 40.8 | ug/L | 20 | 82 | 70 | 130 | | | |
| Acetonitrile | 60.0 | ug/L | 20 | 120 | 70 | 130 | | | |
| Acrolein | 59.2 | ug/L | 20 | 118 | 70 | 130 | | | |
| Acrylonitrile | 46.4 | ug/L | 20 | 93 | 70 | 130 | | | |
| Benzene | 4.80 | ug/L | 0.50 | 96 | 70 | 130 | | | |
| Bromobenzene | 4.56 | ug/L | 0.50 | 91 | 70 | 130 | | | |
| Bromochloromethane | 4.64 | ug/L | 0.50 | 93 | 70 | 130 | | | |
| Bromodichloromethane | 4.08 | ug/L | 0.50 | 82 | 70 | 130 | | | |
| Bromoform | 4.08 | ug/L | 0.50 | 82 | 70 | 130 | | | |
| Bromomethane | 5.56 | ug/L | 0.50 | 111 | 70 | 130 | | | |
| Carbon disulfide | 4.80 | ug/L | 0.50 | 96 | 70 | 130 | | | |
| Carbon tetrachloride | 3.70 | ug/L | 0.50 | 74 | 70 | 130 | | | |
| Chlorobenzene | 4.80 | ug/L | 0.50 | 96 | 70 | 130 | | | |
| Chlorodibromomethane | 4.32 | ug/L | 0.50 | 86 | 70 | 130 | | | |
| Chloroethane | 4.88 | ug/L | 0.50 | 98 | 70 | 130 | | | |
| 2-Chloroethyl vinyl ether | 3.07 | ug/L | 1.0 | 61 | 70 | 130 | | | S |
| Chloroform | 4.36 | ug/L | 0.50 | 87 | 70 | 130 | | | |
| Chloromethane | 4.60 | ug/L | 0.50 | 92 | 70 | 130 | | | |
| 2-Chlorotoluene | 4.84 | ug/L | 0.50 | 97 | 70 | 130 | | | |
| 4-Chiorotoluene | 4.80 | ug/L | 0.50 | 96 | 70 | 130 | | | |
| 1,2-Dibromoethane | 4.40 | ug/L | 0.50 | 88 | 70 | 130 | | | |
| Dibromomethane | 4.60 | ug/L | 0.50 | 92 | 70 | 130 | | | |
| 1,2-Dichlorobenzene | 4.72 | ug/L | 0.50 | 94 | 70 | 130 | | | |
| 1,3-Dichlorobenzene | 4.84 | ug/L | 0.50 | 97 | 70 | 130 | | | |
| 1,4-Dichlorobenzene | 4.76 | ug/L | 0.50 | 95 | 70 | 130 | | | |
| Dichlorodifluoromethane | 3.87 | ug/L | 0.50 | 77 | 70 | 130 | | | |
| 1,1-Dichloroethane | 4.40 | ug/L | 0.50 | 88 | 70 | 130 | | | |
| 1,2-Dichloroethane | 3.78 | ug/L | 0.50 | 76 | 70 | 130 | | | |
| 1,1-Dichloroethene | 4.20 | ug/L | 0.50 | 84 | 70 | 130 | | | |
| cis-1,2-Dichloroethene | 4.72 | ug/L | 0.50 | 94 | 70 | 130 | | | |
| trans-1,2-Dichloroethene | 4.64 | ug/L | 0.50 | 93 | 70 | 130 | | | |
| 1,2-Dichioropropane | 5.20 | ug/L | 0.50 | 104 | 70 | 130 | | | |
| 1,3-Dichloropropane | 4.64 | ug/L | 0.50 | 93 | 70 | 130 | | | |
| 2,2-Dichloropropane | 3.92 | ug/L | 0.50 | 78 | 70 | 130 | | | |
| 1,1-Dichloropropene | 4.40 | ug/L | 0.50 | 88 | 70 | 130 | | | |
| cis-1,3-Dichloropropene | 4.56 | ug/L | 0.50 | 91 | 70 | 130 | | | |
| trans-1,3-Dichloropropene | 4.04 | បg/L | 0.50 | 81 | 70 | 130 | | | |
| Ethylbenzene | 4.84 | ug/L | 0.50 | 97 | 70 | 130 | | | |
| Methyl tert-butyl ether (MTBE) | 3.68 | ug/L | 0.50 | 74 | 70 | 130 | | | |
| Methyl ethyl ketone | 42.8 | ug/L | 20 | 86 | 70 | 130 | | | |
| Methyl isobutyl ketone | 45.6 | ug/L | 20 | 91 | 70 | 130 | | | |
| Methylene chloride | 5.44 | ug/L | 0.50 | 109 | 70 | 130 | | | |
| Naphthalene | 4.88 | ug/L | 0.50 | 98 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Work Order: C17020566

Project: 170217005 LFH-1 CO-0121724

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------|-------------------|---------------|---------------------|-------------|------|------------|-------------|-----|----------------|-----------|
| Method: | E624 | | | | | | | Ar | nalytical Run: | R275391 |
| Lab ID: | ccv022417 | Continuing Ca | alibration Verifica | tion Standa | ard | | | | 02/24 | /17 09:51 |
| Styrene | | 4.76 | ug/L | 0.50 | 95 | 70 | 130 | | | |
| Tetrachloro | ethene | 4.60 | ug/L | 0.50 | 92 | 70 | 130 | | | |
| 1, 1, 1, 2-Tetr | achloroethane | 4.24 | ug/L | 0.50 | 85 | 70 | 130 | | | |
| 1, 1,2,2-Tetr | achloroethane | 4.96 | ug/L | 0.50 | 99 | 70 | 130 | | | |
| Toluene | | 4.96 | ug/L | 0.50 | 99 | 70 | 130 | | | |
| Trichloroeth | ene | 4.80 | ug/L | 0.50 | 96 | 70 | 130 | | | |
| 1,1,1-Trichle | proethane | 3.75 | ug/L | 0.50 | 75 | 70 | 130 | | | |
| 1,1,2-Trichle | proethane | 4.76 | ug/L | 0.50 | 95 | 70 | 130 | | | |
| Trichlorofluc | promethane | 3.34 | ug/L | 0.50 | 67 | 70 | 130 | | | S |
| 1,2,3-Trichic | oropropane | 4.20 | ug/L | 0.50 | 84 | 70 | 130 | | | |
| Vinyl Acetat | le | 4.56 | ug/L | 1.0 | 91 | 70 | 130 | | | |
| Vinyl chlorid | le | 4.84 | ug/L | 0.50 | 97 | 70 | 130 | | | |
| m+p-Xylene | \$ | 9.76 | ug/L | 0.50 | 98 | 70 | 130 | | | |
| o-Xylene | | 4.76 | ug/L | 0.50 | 95 | 70 | 130 | | | |
| Xylenes, To | tal | 14.5 | ug/L | 0.50 | 97 | 70 | 130 | | | |
| Surr: 1,2- | Dichloroethane-d4 | | | 0.50 | 74 | 71 | 139 | | | |
| Surr: p-Bi | romofluorobenzene | | | 0.50 | 88 | 80 | 127 | | | |
| Surr: Tolu | lene-d8 | | | 0.50 | 92 | 80 | 123 | | | |
| Method: | E624 | | | | | | | | Batch: | R275391 |
| Lab ID: | cs022417 | Laboratory Co | ntroi Sample | | | Run: 5971/ | A.I_170224A | | 02/24 | /17 10:31 |
| Acetone | | 41.6 | ug/L | 20 | 83 | 55 | 144 | | | |

| Method: E624 | | | | | | | Batch: R275391 |
|--------------------------|----------------|---------------|------|-----|---------------|---------|----------------|
| Lab ID: cs02241 | 7 Laboratory C | ontroi Sample | | F | Run: 5971A.l_ | 170224A | 02/24/17 10:31 |
| Acetone | 41.6 | ug/L | 20 | 83 | 55 | 144 | |
| Acetonitrile | 60.4 | ug/L | 20 | 121 | 54 | 142 | |
| Acrolein | 49.6 | ug/L | 20 | 99 | 16 | 233 | |
| Acrylonitrile | 46.0 | ug/L | 20 | 92 | 76 | 127 | |
| Benzene | 4.96 | ug/L | 0.50 | 99 | 73 | 122 | |
| Bromobenzene | 4.76 | ug/L | 0.50 | 95 | 74 | 129 | |
| Bromochloromethane | 4.64 | ug/L | 0.50 | 93 | 66 | 120 | |
| Bromodichloromethane | 4.44 | ug/L | 0.50 | 89 | 74 | 128 | |
| Bromoform | 4.36 | ug/L | 0.50 | 87 | 66 | 128 | |
| Bromomethane | 5.76 | ug/L | 0.50 | 115 | 51 | 123 | |
| Carbon disulfide | 4.92 | ug/L | 0.50 | 98 | 46 | 145 | |
| Carbon tetrachloride | 3.80 | ug/L | 0.50 | 76 | 75 | 125 | |
| Chiorobenzene | 4.92 | u g /L | 0.50 | 98 | 80 | 123 | |
| Chlorodibromomethan | 4.64 | u g /L | 0.50 | 93 | 74 | 125 | |
| Chloroethane | 5.04 | ug/L | 0.50 | 101 | 59 | 142 | |
| 2-Chloroethyl vinyl ethe | 2.74 | ug/L | 1.0 | 55 | 36 | 144 | |
| Chloroform | 4.40 | ug/L | 0.50 | 88 | 68 | 124 | |
| Chloromethane | 4.64 | ug/L | 0.50 | 93 | 53 | 146 | |
| 2-Chiorotoluene | 5.04 | ug/L | 0.50 | 101 | 75 | 131 | |
| 4-Chlorotoluene | 4.68 | ug/L | 0.50 | 94 | 74 | 129 | |
| 1,2-Dibromoethane | 4.40 | ug/L | 0.50 | 88 | 76 | 124 | |
| Dibromomethane | 4.76 | ug/L | 0.50 | 95 | 77 | 125 | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------|---------------|--------------|------|------|------------|-------------|-----|----------|-----------|
| Method: E624 | · · · · · | | | | | | | Batch: | R275391 |
| Lab ID: lcs022417 | Laboratory Co | ntrol Sample | | | Run: 5971 | A.I_170224A | | 02/24 | /17 10:31 |
| 1,2-Dichlorobenzene | 4.80 | ug/L | 0.50 | 96 | 74 | 124 | | | |
| 1,3-Dichlorobenzene | 5.00 | ug/L | 0.50 | 100 | 77 | 122 | | | |
| 1,4-Dichlorobenzene | 4.80 | ug/L | 0.50 | 96 | 76 | 126 | | | |
| Dichlorodifluoromethane | 4.36 | ug/L | 0.50 | 87 | 56 | 146 | | | |
| 1,1-Dichloroethane | 4.56 | ug/L | 0.50 | 91 | 74 | 133 | | | |
| 1,2-Dichloroethane | 3.76 | ug/L | 0.50 | 75 | 75 | 129 | | | |
| 1,1-Dichloroethene | 4.28 | ug/L | 0.50 | 86 | 74 | 132 | | | |
| cis-1,2-Dichloroethene | 4.76 | ug/L | 0.50 | 95 | 81 | 122 | | | |
| trans-1,2-Dichloroethene | 5.08 | ug/L | 0.50 | 102 | 79 | 143 | | | |
| 1,2-Dichloropropane | 5.20 | ug/L | 0.50 | 104 | 75 | 126 | | | |
| 1,3-Dichloropropane | 4.32 | ug/L | 0.50 | 86 | 71 | 136 | | | |
| 2,2-Dichloropropane | 4.00 | ug/L | 0.50 | 80 | 68 | 142 | | | |
| 1,1-Dichloropropene | 4.16 | ug/L | 0.50 | 83 | 70 | 131 | | | |
| cis-1,3-Dichloropropene | 4.12 | ug/L | 0.50 | 82 | 74 | 135 | | | |
| trans-1,3-Dichloropropene | 3.96 | ug/L | 0.50 | 79 | 76 | 149 | | | |
| Ethylbenzene | 4.92 | ug/L | 0.50 | 98 | 72 | 130 | | | |
| Methyl tert-butyl ether (MTBE) | 3.71 | ug/L | 0.50 | 74 | 72 | 120 | | | |
| Methyl ethyl ketone | 45.2 | ug/L | 20 | 90 | 45 | 130 | | | |
| Methyl isobutyl ketone | 49.2 | ug/L | 20 | 98 | 58 | 135 | | | |
| Methylene chloride | 5.64 | ug/L | 0.50 | 113 | 66 | 142 | | | |
| Naphthalene | 5.44 | ug/L | 0.50 | 109 | 69 | 124 | | | |
| Styrene | 4.84 | ug/L | 0.50 | 97 | 80 | 124 | | | |
| Tetrachloroethene | 4.68 | ug/L | 0.50 | 94 | 72 | 131 | | | |
| 1,1,1,2-Tetrachioroethane | 4.16 | ug/L | 0.50 | 83 | 78 | 124 | | | |
| 1,1,2,2-Tetrachioroethane | 4.72 | ug/L | 0.50 | 94 | 68 | 137 | | | |
| Toluene | 5.16 | ug/L | 0.50 | 103 | 72 | 135 | | | |
| Trichloroethene | 4.80 | ug/L | 0.50 | 96 | 85 | 126 | | | |
| 1,1,1-Trichloroethane | 3.73 | ug/L | 0.50 | 75 | 63 | 120 | | | |
| 1,1,2-Trichloroethane | 4.68 | ug/L | 0.50 | 94 | 78 | 124 | | | |
| Trichiorofluoromethane | 3.30 | ug/L | 0.50 | 66 | 72 | 120 | | | s |
| 1,2,3-Trichloropropane | 4.04 | ug/L | 0.50 | 81 | 64 | 138 | | | • |
| Vinyl Acetate | 4.08 | ug/L | 1.0 | 82 | 31 | 124 | | | |
| Vinyl chloride | 5.12 | ug/L | 0.50 | 102 | 58 | 140 | | | |
| m+p-Xylenes | 9.84 | ug/L | 0.50 | 98 | 67 | 139 | | | |
| o-Xylene | 4.84 | ug/L | 0.50 | 97 | 74 | 135 | | | |
| Xylenes, Total | 14.7 | ug/L | 0.50 | 98 | 70 | 137 | | | |
| Surr: 1,2-Dichloroethane-d4 | | | 0.50 | 72 | 71 | 139 | | | |
| Surr: p-Bromofluorobenzene | | | 0.50 | 87 | 80 | 127 | | | |
| Surr: Toluene-d8 | | | 0.50 | 92 | 80 | 123 | | | |
| Lab ID: bik022417 | Method Blank | | | | Run: 5971A | .I_170224A | | 02/24/ | 17 11:30 |
| Acetone | ND | ug/L | 20 | | | _ | | | |
| Acetonitrile | ND | ug/L | 20 | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

College Station, TX 888.690.2218 - Gillette, WY 866.686.7175 - Helena, MT 877.472.0711

QA/QC Summary Report Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

| Analyte | | | | | | | | | | |
|--|---------------|-----------------|--------------|-------|------|----------------|------------|-----|----------|-----------|
| Lab ID: blk022417 Method Blank Quf. 20 | Analyte | | Result | Units | RL | %REC Low Limit | High Limit | RPD | RPDLimit | Qual |
| Activatifies | Method: | E624 | | | | | | | Batch: | R275391 |
| Acytomitrite ND ug/L 0.50 Benzene ND ug/L 0.50 Bromochioromethane ND ug/L 0.50 Bromochioromethane ND ug/L 0.50 Bromochioromethane ND ug/L 0.50 Bromoform ND ug/L 0.50 Bromoformethane ND ug/L 0.50 Carbon disulfide ND ug/L 0.50 Carbon tetrachloride ND ug/L 0.50 Chlorodibromomethane ND ug/L 0.50 Chlorodibromomethane ND ug/L 0.50 Chlorodibromomethane ND ug/L 0.50 Chlorodomy (my) ether ND ug/L 0.50 Chlorotofuren ND ug/L 0.50 2-Chlorotofuren ND ug/L 0.50 2-Chlorotofuren ND ug/L 0.50 1,2-Dichiorothane ND ug/L 0.50 1,2-Dichiorothane < | Lab ID: | blk022417 | Method Blank | | | Run: 5971A. | I_170224A | | 02/24 | /17 11:30 |
| Benzene ND ug/L 0.50 Bromobenzene ND ug/L 0.50 Bromodichloromethane ND ug/L 0.50 Bromodichloromethane ND ug/L 0.50 Bromodichloromethane ND ug/L 0.50 Bromodisulfide ND ug/L 0.50 Carbon disulfide ND ug/L 0.50 Chlorobenzene ND ug/L 0.50 Chloromethane ND ug/L 0.50 L,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 L,2-Dichlorobenzene ND ug/L< | Acrolein | | ND | ug/L | 20 | | | | | |
| Bromochinormethane ND | Acrylonitrile | 8 | ND | ug/L | 3.0 | | | | | |
| Bromochloromethane ND ug/L 0.50 Bromoclohloromethane ND ug/L 0.50 Bromodom ND ug/L 0.50 Bromodisunfide ND ug/L 0.50 Carbon laterabloride ND ug/L 0.50 Chlorodenzene ND ug/L 0.50 Chlorodelioromomethane ND ug/L 0.50 Chlorodelioromomethane ND ug/L 0.50 Chlorodelioromomethane ND ug/L 0.50 Chloroform ND ug/L 0.50 Chloroformethane ND ug/L 0.50 L,2-Dichlorobuene ND ug/L 0.50 L,2-Dichlorobenzene ND | Benzene | | ND | ug/L | 0.50 | | | | | |
| Bromodichloromethane | Bromobenz | zene | ND | ug/L | 0.50 | | | | | |
| Bromoform ND ug/L 0.50 Bromomethane ND ug/L 0.50 Carbon disulfide ND ug/L 0.50 Carbon tetrachloride ND ug/L 0.50 Chlorodbromomethane ND ug/L 0.50 Chloroethy in viryl ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Chloroethy living ether ND ug/L 0.50 Labor living ether ND ug/L 0.50 Labor living ether ND ug/L 0. | Bromochlo | romethane | ND | ug/L | 0.50 | | | | | |
| Bromomethane | Bromodich | loromethane | ND | ug/L | 0.50 | | | | | |
| Carbon disulfide ND ug/L 0.50 Carbon tetrachioride ND ug/L 0.50 Chlorodibromomethane ND ug/L 0.50 Chlorodibromomethane ND ug/L 0.50 Chloroform ND ug/L 1.0 Chloroform ND ug/L 0.50 Chloroform ND ug/L 0.50 Chlorotoluene ND ug/L 0.50 Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dishomoethane ND ug/L 0.50 1,2-Dishorotebazene ND ug/L 0.50 1,3-Dishorotebazene ND ug/L 0.50 1,4-Dishorotebazene ND ug/L 0.50 1,1-Dishorotebazene ND ug/L 0.50 1,1-Dishorotebazene | Bromoform | 1 | ND | ug/L | 0.50 | | | | | |
| Carbon tetrachloride ND ug/L 0.50 Chloroderazene ND ug/L 0.50 Chloroethyne ND ug/L 0.50 Chloroethyne ND ug/L 0.50 2-Chloroethyl vinyl ether ND ug/L 0.50 Chloromethane ND ug/L 0.50 Chlorotoluene ND ug/L 0.50 2-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromethane ND ug/L 0.50 1,2-Dibriorobenzene ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzen | Bromometi | hane | ND | ug/L | 0.50 | | | | | |
| Chloroberzene ND ug/L 0.50 Chlorodibromomethane ND ug/L 0.50 Chlorodibrane ND ug/L 0.50 2-Chloroform ND ug/L 0.50 Chloroform ND ug/L 0.50 Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 1,2-Dichlorotehane ND ug/L 0.50 1,2-Dichlorotehane ND ug/L 0.50 1,3-Dichlorotehane ND ug/L 0.50 1,1-Dichlorotehane ND ug/L 0.50 1,1-Dichlorotehane ND ug/L 0.50 taran-1,2-Dichlorotehane ND ug/L 0.50 taran-1,2-Dichlorotehane ND ug/L 0.50 taran-1,2-Dichloropropane | Carbon dis | ulfide | ND | ug/L | 0.50 | | | | | |
| Chlorodibromomethane ND ug/L 0.50 Chloroethane ND ug/L 0.50 2-Chloroethyl vinyl ether ND ug/L 0.50 Chloroform ND ug/L 0.50 Chloroethane ND ug/L 0.50 2-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 Dibromoethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 trans-1,2-Dichloroeth | Carbon tetr | rachloride | ND | | 0.50 | | | | | |
| Chlorodibromomethane ND ug/L 0.50 Chloroethane ND ug/L 0.50 2-Chloroethyl vinyl ether ND ug/L 0.50 Chloroform ND ug/L 0.50 Chlorobluene ND ug/L 0.50 2-Chlorobluene ND ug/L 0.50 4-Chlorobluene ND ug/L 0.50 1,2-Dibromethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,2-Dichloroethene ND ug/L 0.50 trans-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropropa | Chlorobenz | zene | ΝD | ug/L | 0.50 | | | | | |
| Chloroethane ND ug/L 0.50 2-Chlorotothy vinyl ether ND ug/L 1.0 Chloromethane ND ug/L 0.50 Chloromethane ND ug/L 0.50 2-Chlorotoluene ND ug/L 0.50 4-Chiorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodfluoromethane ND ug/L 0.50 1,1-Dichlorobenzene ND ug/L 0.50 1,1-Dichlorocthane ND ug/L 0.50 1,1-Dichlorocthane ND ug/L 0.50 1,2-Dichlorocthene ND ug/L 0.50 1,2-Dichloro | Chlorodibro | omomethane | ND | | 0.50 | | | | | |
| 2-Chloroethyl vinyl ether ND ug/L 1.0 Chloroform ND ug/L 0.50 Chlorotoluene ND ug/L 0.50 2-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,4-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,3-Dich | Chloroetha | ne | | _ | | | | | | |
| Chloroform ND ug/L 0.50 Chloromethane ND ug/L 0.50 2-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorothane ND ug/L 0.50 1,4-Dichlorothane ND ug/L 0.50 1,1-Dichlorothane ND ug/L 0.50 1,2-Dichlorothane ND ug/L 0.50 1,2-Dichlorothane <t< td=""><td>2-Chloroeth</td><td>nyl vinyl ether</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 2-Chloroeth | nyl vinyl ether | | | | | | | | |
| Chloromethane ND ug/L 0.50 2-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodifluoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 trans-1,2-Dichloroethane ND ug/L 0.50 trans-1,2-Dichloroethane ND ug/L 0.50 trans-1,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropane ND ug/L 0.50 | | | | | | | | | | |
| 2-Chlorotoluene ND ug/L 0.50 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dic | Chlorometh | nane | | | | | | | | |
| 4-Chlorotoluene ND ug/L 0.50 1,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethene ND ug/L 0.50 1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.30 1ctanas-1,3-Dichloropropene ND ug/L 0.30 Ethylberazene ND ug/L 0.50 <td< td=""><td>2-Chlorotol</td><td>uene</td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | 2-Chlorotol | uene | | _ | | | | | | |
| 1,2-Dibromoethane ND ug/L 0.50 Dibromomethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodifluoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.30 trans-1,3-Dichloropropane ND ug/L 0.30 | 4-Chlorotol | uene | | | | | | | | |
| Dibromomethane ND ug/L 0.50 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodifluoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,2-Dichloropropene ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.30 trans-1,3-Dichloropropane ND ug/L 0.30 Ethylbenzene ND ug/L 0.50 | | | | | | | | | | |
| 1,2-Dichlorobenzene ND ug/L 0.50 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodifluoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 cis-1,2-Dichloroethane ND ug/L 0.50 trans-1,2-Dichloroethane ND ug/L 0.50 trans-1,2-Dichloropropane ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 cls-1,3-Dichloropropane ND ug/L 0.50 cls-1,3-Dichloropropane ND ug/L 0.30 trans-1,3-Dichloropropane ND ug/L 0.30 trans-1,3-Dichloropropane ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl isobutyl ketone ND ug/L | | | | | | | | | | |
| 1,3-Dichlorobenzene ND ug/L 0.50 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodifluoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethene ND ug/L 0.50 cis-1,2-Dichloroethene ND ug/L 0.50 trans-1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 cls-1,3-Dichloropropane ND ug/L 0.50 cls-1,3-Dichloropropane ND ug/L 0.30 trans-1,3-Dichloropropane ND ug/L 0.30 trans-1,3-Dichloropropane ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl isobutyl ketone ND ug/L 0.50 Methylene chloride ND ug/L | 1,2-Dichlore | obenzene | | | | | | | | |
| 1,4-Dichlorobenzene ND ug/L 0.50 Dichlorodiffuoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethene ND ug/L 0.50 trans-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloroptopane ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.30 Ethylbenzene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl stohure ND ug/L 20 Methyl stohure ND ug/L 20 Methyl stohure ND ug/L 20 | - | | | | | | | | | |
| Dichlorodifiuoromethane ND ug/L 0.50 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethene ND ug/L 0.50 cis-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropthane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.30 Ethylbenzene ND ug/L 0.50 Methyl ether (MTBE) ND ug/L 0.50 Methyl tetholoride ND ug/L 20 Methylene chloride ND ug/L 0.50 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | | | |
| 1,1-Dichloroethane ND ug/L 0.50 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethene ND ug/L 0.50 cis-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropthene ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl setone ND ug/L 20 Methyl ketone ND ug/L 0.50 ND | | | | | | | | | | |
| 1,2-Dichloroethane ND ug/L 0.50 1,1-Dichloroethene ND ug/L 0.50 cis-1,2-Dichloroethene ND ug/L 0.50 trans-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl sobutyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| 1,1-Dichloroethene ND ug/L 0.50 cis-1,2-Dichloroethene ND ug/L 0.50 trans-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropene ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.30 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| cis-1,2-Dichloroethene ND ug/L 0.50 trans-1,2-Dichloroptopane ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.30 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl tetr-butyl ether (MTBE) ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| trans-1,2-Dichloroethene ND ug/L 0.50 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl benzene ND ug/L 0.50 Methyl tetr-butyl ether (MTBE) ND ug/L 0.50 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| 1,2-Dichloropropane ND ug/L 0.50 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cis-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl benzene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl sethyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| 1,3-Dichloropropane ND ug/L 0.50 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Methyl benzene ND ug/L 0.50 Methyl etert-butyl ether (MTBE) ND ug/L 0.50 Methyl sethyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | _ | | | | | | |
| 2,2-Dichloropropane ND ug/L 0.50 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.50 Ethylbenzene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl ethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | • • | | | | | | | | |
| 1,1-Dichloropropene ND ug/L 0.50 cls-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.30 Ethylbenzene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl sethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| cis-1,3-Dichloropropene ND ug/L 0.30 trans-1,3-Dichloropropene ND ug/L 0.30 Ethylbenzene ND ug/L 0.50 Methyl ether (MTBE) ND ug/L 0.50 Methyl ethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | - Jr Jr | | _ | | | | | | |
| trans-1,3-Dichloropropene ND ug/L 0.30 Ethylbenzene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl ethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| Ethylbenzene ND ug/L 0.50 Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl ethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) ND ug/L 0.50 Methyl ethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| Methyl ethyl ketone ND ug/L 20 Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | - | | | | | | | | | |
| Methyl isobutyl ketone ND ug/L 20 Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| Methylene chloride ND ug/L 0.50 Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| Naphthalene ND ug/L 0.50 Styrene ND ug/L 0.50 | | | | | | | | | | |
| Styrene ND ug/L 0.50 | - | | | | | | | | | |
| | - | • | | | | | | | | |
| TIP ASIE U.UU | _ | ethene | | | | | | | | |
| | . 304311010 | | 110 | «Aır | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

al Laboratories inc

Report Date: 03/02/17
Work Order: C17020566

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|---|-----------------------|--------------------|-------------|-----------|-----------------|-----------------|----------|----------------|------------|
| Method: | E624 | | <u></u> | | | | | | Batch: | R27539 |
| Lab ID: | blk022417 | Method Blank | | | | Run: 5971/ | A.i_170224A | | 02/24 | l/17 11:30 |
| 1,1,1,2-Tel | trachloroethane | ND | ug/L | 0.50 | | | | | | |
| 1, 1,2,2-Tet | trachloroethane | ND | ug/L | 0.50 | | | | | | |
| Toluene | | ND | ug/L | 0.50 | | | | | | |
| Trichloroet | hene | ND | ug/L | 0.50 | | | | | | |
| i,1,1-Trich | loroethane | ND | ug/L | 0.50 | | | | | | |
| 1,1,2-Trich | loroethane | ND | ug/L | 0.50 | | | | | | |
| Frichloroflu | roromethane | ND | ug/L | 0.50 | | | | | | |
| 1,2,3-Trich | ioropropane | ND | ug/L | 0.50 | | | | | | |
| /inyl Aceta | ate | ND | ug/L | 1.0 | | | | | | |
| /inyl chlori | ide | ND | ug/L | 0.40 | | | | | | |
| n+p-Xylen | es | ND | ug/L | 0.50 | | | | | | |
| -Xylene | | ND | ug/L | 0.50 | | | | | | |
| (ylenes, T | otal | ND | ug/L | 0.50 | | | | | | |
| Surr: 1,2 | 2-Dichloroethane-d4 | | | 0.50 | 74 | 71 | 139 | | | |
| Surr: p-E | Bromofluorobenzene | | | 0.50 | 90 | 80 | 127 | | | |
| Surr: To | luene-d8 | | | 0.50 | 94 | 80 | 123 | | | |
| ab ID: | b17021110-001bms | Sample Matrix | Spike | | | Run: 5971 | A.I_170224A | | 02/24 | /17 20:47 |
| crolein | | ND | ug/L | 20 | 0 | 16 | 233 | | | S 1 |
| crylonitrile | ė | 48.8 | ug/L | 20 | 98 | 76 | 127 | | | |
| -Chloroeti | hyl vinyl ether | 3.44 | ug/L | 1.0 | 69 | 36 | 144 | | | |
| Surr: 1,2 | l-Dichloroethane-d4 | | | 0.50 | 80 | 71 | 139 | | | |
| Surr: p-E | Bromofluorobenzene | | | 0.50 | 95 | 80 | 127 | | | |
| Surr: Tol | luene-d8 | | | 0.50 | 100 | 80 | 123 | | | |
| | s a known very reactive compour mple matrix. | nd. The recovery of t | his compound was n | ormal in th | e Laborat | ory Control Sar | mple (LCS). The | compound | appears to hav | ve reacted |
| .ab ID: | b17021110-001bmsd | Sample Matrix | Spike Duplicate | | | Run: 5971A | \.[_170224A | | 02/24 | /17 21:16 |
| \crolein | | ND | ug/L | 20 | 0 | 16 | 233 | | 20 | S 1 |
| crylonitriie | 9 | 48.8 | ug/L | 20 | 98 | 76 | 127 | 0.0 | 20 | |
| -Chloroett | nyl vinyl ether | 3.66 | ug/L | 1.0 | 73 | 36 | 144 | 6.1 | 20 | |
| Surr: 1,2 | -Dichloroethane-d4 | | | 0.50 | 81 | 71 | 139 | | | |
| Surr. p-E | 3romofluorobenzene | | | 0.50 | 96 | 80 | 127 | | | |
| Surr: Tol | uene-d8 | | | 0.50 | 99 | 80 | 123 | | | |
| 1 = This is with the sar | s a known very reactive compour mple matrix. | nd. The recovery of t | his compound was n | ormal in th | e Laborat | ory Control Sar | nple (LCS). The | compound | appears to hav | e reacted |
| ab ID: | b17021110-001bms | Sample Matrix | Spike | | | Run: 5971A | 170224A | | 02/24 | /17 18:21 |
| cetone | | 40.4 | ug/L | 20 | 81 | 55 | 144 | | | |
| Acetonitrile | 1 | 66.0 | ug/L | 20 | 132 | 54 | 142 | | | |
| Benzene | | 4.60 | ug/L | 0.50 | 92 | 73 | 122 | | | |
| Bromobenz | | 4.60 | ug/L | 0.50 | 92 | 74 | 129 | | | |
| Bromochlo | romethane | 4.56 | u g /L | 0.50 | 91 | 66 | 120 | | | |
| اطمئامه مسمد | loromethane | 4,36 | ug/L | 0.50 | 87 | 74 | 128 | | | |
| N OF HOUSE | | | | | | | | | | |
| 3romoform | | 4.40 | ug/L | 0.50 | 88 | 66 | 128 | | | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Quai |
|---------------|--------------------|--------------|---------|------|------|-----------|-------------|-----|----------|-----------|
| Method: | E624 | | | | | - | | | Batch: | R275391 |
| Lab ID: | b17021110-001bms | Sample Matri | k Spike | | | Run: 5971 | A.I_170224A | | 02/24 | /17 18:21 |
| Carbon dis | ulfide | 5.12 | ug/L | 0.50 | 102 | 46 | 145 | | | |
| Carbon tet | rachloride | 3.59 | ug/L | 0.50 | 72 | 75 | 125 | | | s |
| Chlorobena | zene | 4.52 | ug/L | 0.50 | 90 | 80 | 123 | | | |
| Chlorodibre | omomethane | 4.52 | ug/L | 0.50 | 90 | 74 | 125 | | | |
| Chloroetha | ne | 5.40 | ug/L | 0.50 | 108 | 59 | 142 | | | |
| Chloroform | 1 | 4.68 | ug/L | 0.50 | 82 | 68 | 124 | | | |
| Chlorometi | nane | 4.64 | ug/L | 0.50 | 93 | 53 | 146 | | | |
| 2-Chlorotol | uene | 4.88 | ug/L | 0.50 | 98 | 75 | 131 | | | |
| 4-Chlorotol | uene | 4.68 | ug/L | 0.50 | 94 | 74 | 129 | | | |
| 1,2-Dibrom | oethane | 4.16 | ug/L | 0.50 | 83 | 76 | 124 | | | |
| Dibromome | ethane | 4.64 | ug/L | 0.50 | 93 | 77 | 125 | | | |
| 1,2-Dichlor | obenzene | 4.64 | ug/L | 0.50 | 93 | 74 | 124 | | | |
| 1,3-Dichlor | obenzene | 4.88 | ug/L | 0.50 | 98 | 77 | 122 | | | |
| 1,4-Dichlor | obenzene | 4.76 | ug/L | 0.50 | 91 | 76 | 126 | | | |
| Dichlorodif | luoromethane | 4.32 | ug/L | 0.50 | 86 | 56 | 146 | | | |
| 1,1-Dichlor | oethane | 4.24 | ug/L | 0.50 | 85 | 74 | 133 | | | |
| 1,2-Dichlor | oethane | 3.48 | ug/L | 0.50 | 70 | 75 | 129 | | | S |
| 1,1-Dichlor | oethene | 4.12 | ug/L | 0.50 | 82 | 74 | 132 | | | |
| cis-1,2-Dicl | hloroethene | 4.48 | ug/L | 0.50 | 90 | 81 | 122 | | | |
| trans-1,2-D | ichloroethene | 4.64 | ug/L | 0.50 | 93 | 79 | 143 | | | |
| 1,2-Dichlor | opropane | 4.92 | ug/L | 0.50 | 98 | 75 | 126 | | | |
| 1,3-Dichlor | opropane | 4.24 | ug/L | 0.50 | 85 | 71 | 136 | | | |
| 2,2-Dichlor | opropane | 3.60 | ug/L | 0.50 | 72 | 68 | 142 | | | |
| 1,1-Dichlor | opropene | 4.04 | ug/L | 0.50 | 81 | 70 | 131 | | | |
| cis-1,3-Dict | nloropropene | 4.08 | ug/L | 0.50 | 82 | 74 | 135 | | | |
| trans-1,3-D | ichloropropene | 3.97 | ug/L | 0.50 | 79 | 76 | 149 | | | |
| Ethylbenze | ne | 4.64 | ug/L | 0.50 | 93 | 72 | 130 | | | |
| Methyl tert- | butyl ether (MTBE) | 3.63 | ug/L | 0.50 | 73 | 72 | 120 | | | |
| Methyl ethy | | 44.4 | ug/L | 20 | 89 | 45 | 130 | | | |
| Methyl isob | utyl ketone | 51.2 | ug/L | 20 | 102 | 58 | 135 | | | |
| Methylene o | chloride | 5.44 | ug/L | 0.50 | 109 | 66 | 142 | | | |
| Naphthalen | е | 4.84 | ug/L | 0.50 | 97 | 69 | 124 | | | |
| Styrene | | 4.56 | ug/L | 0.50 | 91 | 80 | 124 | | | |
| Tetrachloro | ethene | 4.44 | ug/L | 0.50 | 89 | 72 | 131 | | | |
| 1,1,1,2-Tetr | achloroethane | 3.95 | ug/L | 0.50 | 79 | 78 | 124 | | | |
| | achloroethane | 4.88 | ug/L | 0.50 | 98 | 68 | 137 | | | |
| Toluene | | 4.88 | ug/L | 0.50 | 98 | 72 | 135 | | | |
| Trichloroeth | | 4.56 | ug/L | 0.50 | 91 | 85 | 126 | | | |
| 1,1,1-Trichi | | 3.51 | ug/L | 0.50 | 70 | 63 | 120 | | | |
| 1,1,2-Trichle | | 4.52 | ug/L | 0.50 | 90 | 78 | 124 | | | |
| | oromethane | 3.29 | ug/L | 0.50 | 66 | 72 | 120 | | | S |
| | oropropane | 3.90 | ug/L | 0.50 | 78 | 64 | 138 | | | |
| Vinyl Acetal | te | 4.00 | ug/L | 1.0 | 80 | 31 | 124 | | | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 **Work Order:** C17020566

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------------|---------------|-----------------|------|------|-----------|-------------|-----|----------|----------|
| Method: E624 | | | | | | | | Batch: | R27539 |
| Lab ID: b17021110-001bms | Sample Matrix | Spike | | | Run: 5971 | A.I_170224A | | 02/24 | /17 18:2 |
| /inyl chloride | 5.12 | ug/L | 0.50 | 102 | 58 | 140 | | | |
| n+p-Xylenes | 9.32 | ug/L | 0.50 | 93 | 67 | 139 | | | |
| p-Xylene | 4.44 | ug/L | 0.50 | 89 | 74 | 135 | | | |
| Kylenes, Total | 13.8 | ug/L | 0.50 | 92 | 70 | 137 | | | |
| Surr: 1,2-Dichloroethane-d4 | | _ | 0.50 | 80 | 71 | 139 | | | |
| Surr: p-Bromofluorobenzene | | | 0.50 | 94 | 80 | 127 | | | |
| Surr: Toluene-d8 | | | 0.50 | 101 | 80 | 123 | | | |
| _ab ID: b17021110-001bmsd | Sample Matrix | Spike Duplicate | | | Run: 5971 | A.I_170224A | | 02/24 | /17 18:5 |
| Acetone | 44.0 | ug/L | 20 | 88 | 55 | 144 | 8.5 | 20 | |
| Acetonitrile | 65.6 | ug/L | 20 | 131 | 54 | 142 | 0.6 | 20 | |
| Benzene | 5.04 | ug/L | 0.50 | 101 | 73 | 122 | 9.1 | 20 | |
| Bromobenzene | 4.96 | ug/L | 0.50 | 99 | 74 | 129 | 7.5 | 20 | |
| 3romochioromethane | 4.80 | ug/L | 0.50 | 96 | 66 | 120 | 5.1 | 20 | |
| Bromodichloromethane | 4.60 | ug/L | 0.50 | 92 | 74 | 128 | 5.4 | 20 | |
| iromoform | 4.80 | ug/L | 0.50 | 96 | 66 | 128 | 8.7 | 20 | |
| romomethane | 6.00 | ug/L | 0.50 | 120 | 51 | 123 | 2.0 | 20 | |
| arbon disulfide | 5.20 | ug/L | 0.50 | 104 | 46 | 145 | 1.6 | 20 | |
| arbon tetrachloride | 3.97 | ug/L | 0.50 | 79 | 75 | 125 | 10 | 20 | |
| Chlorobenzene | 4.88 | ug/L | 0.50 | 98 | 80 | 123 | 7.7 | 20 | |
| chlorodibromomethane | 4.76 | ug/L | 0.50 | 95 | 74 | 125 | 5.2 | 20 | |
| hloroethane | 5.32 | ug/L | 0.50 | 106 | 59 | 142 | 1.5 | 20 | |
| Chloroform | 4.96 | ug/L | 0.50 | 87 | 68 | 124 | 5.8 | 20 | |
| Chloromethane | 4.88 | ug/L | 0.50 | 98 | 53 | 146 | 5.0 | 20 | |
| -Chlorotoluene | 5.20 | ug/L | 0.50 | 104 | 75 | 131 | 6.3 | 20 | |
| -Chlorotoluene | 5.04 | ug/L | 0.50 | 101 | 74 | 129 | 7.4 | 20 | |
| ,2-Dibromoethane | 4.52 | ug/L | 0.50 | 90 | 76 | 124 | 8.3 | 20 | |
| Dibromomethane | 4.88 | ug/L | 0.50 | 98 | 77 | 125 | 5.0 | 20 | |
| ,2-Dichlorobenzene | 5.04 | ug/L | 0.50 | 101 | 74 | 124 | 8.3 | 20 | |
| ,3-Dichlorobenzene | 5.20 | ug/L | 0.50 | 104 | 77 | 122 | 6.3 | 20 | |
| ,4-Dichlorobenzene | 5.12 | ug/L | 0.50 | 98 | 76 | 126 | 7.3 | 20 | |
| Dichlorodifluoromethane | 4.36 | ug/L | 0.50 | 87 | 56 | 146 | 0.9 | 20 | |
| ,1-Dichloroethane | 4.68 | ug/L | 0.50 | 94 | 74 | 133 | 9.9 | 20 | |
| ,2-Dichloroethane | 3.76 | ug/L | 0.50 | 75 | 75 | 129 | 7.8 | 20 | |
| ,1-Dichloroethene | 4.44 | ug/L | 0.50 | 89 | 74 | 132 | 7.5 | 20 | |
| is-1,2-Dichloroethene | 4.88 | ug/L | 0.50 | 98 | 81 | 122 | 8.5 | 20 | |
| ans-1,2-Dichioroethene | 5.12 | ug/L | 0.50 | 102 | 79 | 143 | 9.8 | 20 | |
| ,2-Dichloropropane | 5.24 | ug/L | 0.50 | 105 | 75 | 126 | 6.3 | 20 | |
| ,3-Dichloropropane | 4.64 | ug/L | 0.50 | 93 | 71 | 136 | 9.0 | 20 | |
| ,2-Dichloropropane | 3.96 | ug/L | 0.50 | 79 | 68 | 142 | 9.6 | 20 | |
| ,1-Dichloropropene | 4.44 | ug/L | 0.50 | 89 | 70 | 131 | 9.4 | 20 | |
| is-1,3-Dichloropropene | 4.40 | ug/L | 0.50 | 88 | 74 | 135 | 7.5 | 20 | |
| rans-1,3-Dichloropropene | 4.24 | ug/L | 0.50 | 85 | 76 | 149 | 6.6 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

| Analyte | Result U | nits RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------|-------------------|--------------|------|-----------|-------------|-----|----------|-----------|
| Method: E624 | | | | | | | Batch: | R275391 |
| Lab ID: b17021110-001bmsd | Sample Matrix Spi | ke Duplicate | | Run: 5971 | A.I_170224A | | 02/24 | /17 18:50 |
| Ethylbenzene | 5.00 սջ | J/L 0.50 | 100 | 72 | 130 | 7.5 | 20 | |
| Methyl tert-butyl ether (MTBE) | 3.83 სე | J/L 0.50 | 77 | 72 | 120 | 5.5 | 20 | |
| Methyl ethyl ketone | 46.0 ug | J/L 20 | 92 | 45 | 130 | 3.5 | 20 | |
| Methyl isobutyl ketone | 51.2 ևջ | J/L 20 | 102 | 58 | 135 | 0.0 | 20 | |
| Methylene chloride | 5.72 ug | /L 0.50 | 114 | 66 | 142 | 5.0 | 20 | |
| Naphthalene | 5.56 นรู | J/L 0.50 | 111 | 69 | 124 | 14 | 20 | |
| Styrene | 4.84 կջ | J/L 0.50 | 97 | 80 | 124 | 6.0 | 20 | |
| Tetrachloroethene | 4.72 ug | y/L 0.50 | 94 | 72 | 131 | 6.1 | 20 | |
| 1,1,1,2-Tetrachioroethane | 4.20 ug | /L 0.50 | 84 | 78 | 124 | 6.1 | 20 | |
| 1,1,2,2-Tetrachloroethane | 5.20 นอ | /L 0.50 | 104 | 68 | 137 | 6.3 | 20 | |
| Toluene | 5.12 ug | /L 0.50 | 102 | 72 | 135 | 4.8 | 20 | |
| Trichloroethene | 4.80 ug | /L 0.50 | 96 | 85 | 126 | 5.1 | 20 | |
| 1,1,1-Trichloroethane | 3.94 ug | /L 0.50 | 79 | 63 | 120 | 12 | 20 | |
| 1,1,2-Trichloroethane | 4.76 ug | /L 0.50 | 95 | 78 | 124 | 5.2 | 20 | |
| Trichlorofluoromethane | 3.36 სე | /L 0.50 | 67 | 72 | 120 | 2.3 | 20 | S |
| 1,2,3-Trichloropropane | 4.20 ug | /L 0.50 | 84 | 64 | 138 | 7.4 | 20 | |
| Vinyl Acetate | 4.20 ug | /L 1.0 | 84 | 31 | 124 | 4.9 | 20 | |
| Vinyl chloride | 5.08 นธ | /L 0.50 | 102 | 58 | 140 | 8.0 | 20 | |
| m+p-Xylenes | 9.92 ug | /L 0.50 | 99 | 67 | 139 | 6.2 | 20 | |
| o-Xylene | 4.80 ug | /L 0.50 | 96 | 74 | 135 | 7.8 | 20 | |
| Xylenes, Total | 14.7 ug | /L 0.50 | 98 | 70 | 137 | | | |
| Surr: 1,2-Dichloroethane-d4 | | 0.50 | 81 | 71 | 139 | | | |
| Surr: p-Bromofluorobenzene | | 0.50 | 94 | 80 | 127 | | | |
| Surr: Toluene-d8 | | 0.50 | 100 | 80 | 123 | | | |

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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

| Method: E625 Lab ID: MB-107004 Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | Method Blank ND | | | | | | Batch | n: 107004 |
|--|--------------------|---------------|----------|---------|------------------|---|-------|-----------|
| Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | | | | | | | | |
| Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether | ND | | | Run: SV | 5973N2.I_170227E | 3 | 02/27 | /17 18:24 |
| Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether | | ug/L | 10 | | _ | | | |
| Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Benzo(k)fiuoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| bis(-2-chloroethyl)Ether | ND | ug/L | 10 | | | | | |
| | ND | ug/L | 10 | | | | | |
| bis(2-chloroisopropyl)Ether | ND | ug/L | 10 | | | | | |
| 2-Chloronaphthalene | ND | ug/L | 10 | | | | | |
| 2-Chlorophenol | ND | ug/L | 10 | | | | | |
| 4-Chlorophenyl phenyl ether | ND | ug/L | 10 | | | | | |
| Chrysene | ND | ug/L | 10 | | | | | |
| Diethyl phthalate | ND | ug/L | 10 | | | | | |
| Di-n-butyl phthalate | ND | ug/L | 10 | | | | | |
| 1,2-Dichlorobenzene | ND | ug/L | 10 | | | | | |
| 1,3-Dichlorobenzene | ND | ug/L | 10 | | | | | |
| 1,4-Dichtorobenzene | ND | ug/L | 10 | | | | | |
| 3,3'-Dichiorobenzidine | ND | ug/L | 10 | | | | | |
| 2,4-Dichiorophenol | ND | ug/L | 10 | | | | | |
| Dimethyl phthalate | ND | ug/L | 10 | | | | | |
| Di-n-octyl phthalate | ND | ug/L | 10 | | | | | |
| Dibenzo(a,h)anthracene | ND | ug/L | 10 | | | | | |
| 2,4-Dimethylphenol | ND | ug/L | 10 | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | ug/L | 50 | | | | | |
| 2,4-Dinitrophenol | ND | ug/L | 50 | | | | | |
| 2,4-Dinitrotoluene | ND | ug/L | 10 | | | | | |
| 2,6-Dinitrotoluene | ND | ug/L | 10 | | | | | |
| bis(2-ethylhexyl)Phthalate | ND | ug/L | 10 | | | | | |
| Fluoranthene | ND | ug/L | 10 | | | | | |
| Fluorene | ND | ug/L | 10 | | | | | |
| Hexachlorobenzene | ND | ug/L | 10 | | | | | |
| Hexachlorobutadiene | ND | ug/L | 10 | | | | | |
| Hexachlorocyclopentadiene | ND | ug/L | 10 | | | | | |
| Hexachioroethane | ND | ug/L | 10 | | | | | |
| Indeno(1,2,3-cd)pyrene | 170 | α A ι∟ | 10 | | | | | |
| | | | 10 | | | | | |
| Isophorone | ND ND | ug/L ug/L | 10 10 | | | | | |

Qualiflers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

| Analyte | Result U | Jnits . | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------------------|------------|----------|----------|-----------|------------------------|-----|----------|----------|
| Method: E625 | | | | | | | | Batch | : 107004 |
| Lab ID: MB-107004 | Method Blank | | | | Run: SV59 | 73N2.I_170227B | | 02/27/ | 17 18:24 |
| n-Nitrosodimethylamine | ND u | ıg/L | 10 | | | | | | |
| n-Nitroso-di-n-propylamine | ND t | ıg/L | 10 | | | | | | |
| n-Nitrosodiphenylamine | ND L | g/L | 10 | | | | | | |
| 2-Nitrophenol | ND L | g/L | 10 | | | | | | |
| 4-Nitrophenol | ND u | g/L | 50 | | | | | | |
| Naphthalene | ND u | g/L | 10 | | | | | | |
| Nitrobenzene | | g/L | 10 | | | | | | |
| Pentachlorophenol | | g/L | 50 | | | | | | |
| Phenanthrene | | g/L | 10 | | | | | | |
| Phenol | | g/L | 10 | | | | | | |
| Pyrene | | g/L | 10 | | | | | | |
| 1.2.4-Trichlorobenzene | | g/L | 10 | | | | | | |
| 2,4,6-Trichlorophenol | | g/L | 10 | | | | | | |
| Surr: 2-Fluorobiphenyl | | • | 10 | 55 | 28 | 107 | | | |
| Surr: 2-Fluorophenol | | | 10 | 36 | 20 | 56 | | | |
| Surr: Nitrobenzene-d5 | | | 10 | 58 | 32 | 94 | | | |
| Surr: Phenol-d5 | | | 10 | 35 | 19 | 45 | | | |
| Surr: Terphenyl-d14 | | | 10 | 77 | 32 | 122 | | | |
| Surr: 2,4,6-Tribromophenol | | | 10 | 58 | 21 | 130 | | | |
| Lab ID: LCS-107004 | Laboratory Contro | l Sample | | | Run: SV59 | 73N2.I_1 70227B | | 02/27/ | 17 18:55 |
| Acenaphthene | 81.2 u | g/L | 10 | 81 | 58 | 99 | | | |
| Acenaphthylene | 76.5 u | g/L | 10 | 77 | 57 | 96 | | | |
| Anthracene | 79.5 u | g/L | 10 | 80 | 60 | 107 | | | |
| Azobenzene | | g/L | 10 | 79 | 56 | 100 | | | |
| Benzo(a)anthracene | | g/L | 10 | 84 | 62 | 114 | | | |
| Benzo(a)pyrene | | g/L | 10 | 80 | 62 | 108 | | | |
| Benzo(b)fluoranthene | | g/L | 10 | 89 | 48 | 127 | | | |
| Benzo(g,h,i)perylene | | g/L | 10 | 82 | 62 | 121 | | | |
| Benzo(k)fluoranthene | | g/L | 10 | 79 | 55 | 111 | | | |
| 4-Bromophenyl phenyl ether | | g/L | 10 | 83 | 58 | 105 | | | |
| Butylbenzylphthalate | | g/L | 10 | 92 | 60 | 113 | | | |
| 4-Chloro-3-methylphenol | | g/L | 10 | 66 | 53 | 92 | | | |
| bls(-2-chloroethoxy)Methane | | g/L | 10 | 74 | 50 | 92 | | | |
| bis(-2-chloroethyl)Ether | | g/L | 10 | 63 | 44 | 82 | | | |
| bis(2-chioroisopropyl)Ether | | g/L | 10 | 61 | 56 | 87 | | | |
| 2-Chloronaphthalene | | g/L | 10 | 75 | 56 | 95 | | | |
| 2-Chlorophenol | | g/L | 10 | 60 | 47 | 76 | | | |
| 4-Chlorophenyl phenyl ether | | g/L | 10 | 76 | 58 | 99 | | | |
| | | g/L | 10 | 82 | 63 | 106 | | | |
| Chrysene | | e· — | | | | | | | |
| Chrysene Diethyl phthalate | | n/L | 10 | 79 | 58 | 103 | | | |
| Chrysene Diethyl phthalate Dl-n-butyl phthalate | 78.6 u | g/L g/L | 10 10 | 79 88 | 58 61 | 103 110 | | | |

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17
Work Order: C17020566

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------|---------------|---------------|----|------|------------|----------------|-----|----------|-----------|
| Method: E625 | | | | | | - | | Batcl | n: 107004 |
| Lab ID: LCS-107004 | Laboratory Co | ntrol Sample | | | Run: SV59 | 73N2.I_170227B | | 02/27 | /17 18:55 |
| 1,3-Dichlorobenzene | 60.2 | ug/L | 10 | 60 | 41 | 79 | | | |
| 1,4-Dichlorobenzene | 61.4 | ug/L | 10 | 61 | 42 | 79 | | | |
| 3,3'-Dichlorobenzidine | 68.6 | ug/L | 10 | 69 | 51 | 93 | | | |
| 2,4-Dichlorophenol | 64.7 | ug/L | 10 | 65 | 49 | 90 | | | |
| Dimethyl phthalate | 76.4 | ug/L | 10 | 76 | 58 | 104 | | | |
| Di-n-octyl phthalate | 88.3 | ug/L | 10 | 88 | 56 | 110 | | | |
| Dibenzo(a,h)anthracene | 80.4 | ug/L | 10 | 80 | 61 | 111 | | | |
| 2,4-Dimethylphenol | 61.8 | ug/L | 10 | 62 | 45 | 89 | | | |
| 4,6-Dinitro-2-methylphenol | 48.2 | ug/L | 50 | 48 | 37 | 105 | | | |
| 2,4-Dinitrophenol | 39.7 | ug/L | 50 | 40 | 27 | 81 | | | |
| 2,4-Dinitrotoluene | 87.7 | ug/L | 10 | 88 | 63 | 110 | | | |
| 2,6-Dinitrotoluene | 75.5 | ug/L | 10 | 76 | 60 | 107 | | | |
| bis(2-ethylhexyl)Phthalate | 88.6 | ug/L | 10 | 89 | 56 | 108 | | | |
| Fluoranthene | 83.8 | ug/L | 10 | 84 | 63 | 110 | | | |
| Fluorene | 77.4 | ug/L | 10 | 77 | 60 | 99 | | | |
| Hexachlorobenzene | 78.2 | ug/L | 10 | 78 | 57 | 103 | | | |
| Hexachlorobutadiene | 67.5 | ug/L | 10 | 67 | 39 | 83 | | | |
| Hexachlorocyclopentadiene | 68.4 | ug/L | 10 | 68 | 39 | 91 | | | |
| Hexachloroethane | 59.6 | ug/L | 10 | 60 | 37 | 75 | | | |
| Indeno(1,2,3-cd)pyrene | 82.0 | ug/L | 10 | 82 | 59 | 109 | | | |
| Isophorone | 67.1 | ug/L | 10 | 67 | 42 | 102 | | | |
| n-Nitrosodimethylamine | 36.9 | ug/L | 10 | 37 | 20 | 45 | | | |
| n-Nitroso-di-n-propylamine | 71.5 | ug/L | 10 | 71 | 49 | 98 | | | |
| n-Nitrosodiphenylamine | 90.0 | u g /L | 10 | 90 | 61 | 108 | | | |
| 2-Nitrophenol | 68.0 | ug/L | 10 | 68 | 51 | 96 | | | |
| 4-Nitrophenol | 18.3 | ug/L | 50 | 18 | 15 | 36 | | | |
| Naphthalene | 71.6 | ug/L | 10 | 72 | 48 | 96 | | | |
| Nitrobenzene | 65.0 | ug/L | 10 | 65 | 51 | 91 | | | |
| Pentachiorophenol | 70.6 | ug/L | 50 | 71 | 53 | 109 | | | |
| Phenanthrene | 80.5 | u g/ L | 10 | 81 | 58 | 104 | | | |
| Phenol | 35.4 | ug/L | 10 | 35 | 27 | 45 | | | |
| Pyrene | 89.3 | ug/L | 10 | 89 | 64 | 108 | | | |
| 1,2,4-Trichlorobenzene | 67.3 | ug/L | 10 | 67 | 49 | 85 | | | |
| 2,4,6-Trichlorophenol | 64.9 | ug/L | 10 | 65 | 47 | 99 | | | |
| Surr: 2-Fluorobiphenyl | | | 10 | 63 | 28 | 107 | | | |
| Surr: 2-Fluorophenol | | | 10 | 35 | 20 | 56 | | | |
| Surr: Nitrobenzene-d5 | | | 10 | 68 | 32 | 94 | | | |
| Surr: Phenol-d5 | | | 10 | 42 | 19 | 45 | | | |
| Surr: Terphenyl-d14 | | | 10 | 87 | 32 | 122 | | | |
| Surr: 2,4,6-Tribromophenol | | | 10 | 70 | 21 | 130 | | | |
| Lab ID: B17021688-001CMS | Sample Matrix | Spike | | | Run: SV597 | 3N2.I_170227B | | 02/27/ | 17 20:29 |
| Acenaphthene | 86.4 | ug/L | 10 | 86 | 58 | 99 | | | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Report Date: 03/02/17

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Work Order: C17020566

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---------------|-------------------|------------------|---------|----|------|-----------|----------------|-----|----------|------------|
| Method: | E625 | | | | | | | | Batc | h: 107004 |
| Lab ID: | B17021688-001CMS | Sample Matrix | k Spike | | | Run: SV59 | 73N2.i_170227B | | 02/27 | 7/17 20:29 |
| Acenaphth | ylene | 83.0 | ug/L | 10 | 83 | 57 | 96 | | | |
| Anthracene | ? | 86.4 | ug/L | 10 | 86 | 60 | 107 | | | |
| Azobenzen | e | 84.3 | ug/L | 10 | 84 | 56 | 100 | | | |
| Benzo(a)ar | nthracene | 90.3 | ug/L | 10 | 90 | 62 | 114 | | | |
| Benzo(a)py | /rene | 80.9 | ug/L | 10 | 81 | 62 | 108 | | | |
| Benzo(b)flu | ıoranthene | 80.4 | ug/L | 10 | 80 | 48 | 127 | | | |
| Benzo(g,h,i | i)peryiene | 80.5 | ug/L | 10 | 81 | 62 | 121 | | | |
| Benzo(k)flu | oranthene | 83.5 | ug/L | 10 | 83 | 55 | 111 | | | |
| 4-Bromoph | enyl phenyl ether | 80.4 | ug/L | 10 | 80 | 58 | 105 | | | |
| Butylbenzy | iphthalate | 99.7 | ug/L | 10 | 100 | 60 | 113 | | | |
| 4-Chioro-3- | -methylphenol | 77.0 | ug/L | 10 | 77 | 53 | 92 | | | |
| bis(-2-chlor | roethoxy)Methane | 77.3 | ug/L | 10 | 77 | 50 | 92 | | | |
| bls(-2-chlor | oethyl)Ether | 66.7 | ug/L | 10 | 67 | 44 | 82 | | | |
| bis(2-chlore | oisopropyi)Ether | 66.6 | ug/L | 10 | 67 | 56 | 87 | | | |
| 2-Chlorona | phthalene | 79.8 | ug/L | 10 | 80 | 56 | 95 | | | |
| 2-Chloroph | enol | 64.1 | ug/L | 10 | 64 | 47 | 76 | | | |
| 4-Chloroph | enyl phenyl ether | 84.5 | ug/L | 10 | 85 | 58 | 99 | | | |
| Chrysene | | 85.9 | ug/L | 10 | 86 | 63 | 106 | | | |
| Diethyl phth | halate | 85.4 | ug/L | 10 | 85 | 58 | 103 | | | |
| Di-n-butyl p | hthalate | 96.0 | ug/L | 10 | 96 | 61 | 110 | | | |
| 1,2-Dichlor | obenzene | 66.1 | ug/L | 10 | 66 | 43 | 81 | | | |
| 1,3-Dichlore | obenzene | 61.9 | ug/L | 10 | 62 | 41 | 79 | | | |
| 1,4-Dichlore | obenzene | 61.8 | ug/L | 10 | 62 | 42 | 79 | | | |
| 3,3'-Dichlor | robenzidine | 69.1 | ug/L | 10 | 69 | 51 | 93 | | | |
| 2,4-Dichlor | opheno! | 68.4 | ug/L | 10 | 68 | 49 | 90 | | | |
| Dimethyl ph | nthalate | 81.4 | ug/L | 10 | 81 | 58 | 104 | | | |
| Di-n-octyl p | hthalate | 90.6 | ug/L | 10 | 91 | 56 | 110 | | | |
| Dibenzo(a,i | h)anthracene | 80.0 | ug/L | 10 | 80 | 61 | 111 | | | |
| 2,4-Dimethy | ylphenol | 69.2 | ug/L | 10 | 69 | 45 | 87 | | | |
| 4,6-Dinitro- | 2-methylphenol | 58.9 | ug/L | 50 | 59 | 37 | 105 | | | |
| 2,4-Dinitrop | henol | 5 4.8 | ug/L | 50 | 55 | 27 | 81 | | | |
| 2,4-Dinitrote | oluene | 82.5 | ug/L | 10 | 83 | 63 | 110 | | | |
| 2,6-Dinitrote | cluene | 80.8 | ug/L | 10 | 81 | 60 | 107 | | | |
| bis(2-ethylh | exyl)Phthalate | 92.0 | ug/L | 10 | 92 | 56 | 108 | | | |
| Fluoranther | ne | 88.0 | ug/L | 10 | 88 | 63 | 110 | | | |
| Fluorene | | 80.1 | ug/L | 10 | 80 | 60 | 99 | | | |
| Hexachloro | benzene | 82.5 | ug/L | 10 | 83 | 57 | 103 | | | |
| Hexachioro | butadiene | 69.0 | ug/L | 10 | 69 | 39 | 83 | | | |
| Hexachloro | cyclopentadiene | 68.1 | ug/L | 10 | 68 | 39 | 91 | | | |
| Hexachioro | ethane | 65.6 | ug/L | 10 | 66 | 37 | 75 | | | |
| Indeno(1,2, | 3-cd)pyrene | 82.3 | ug/L | 10 | 82 | 59 | 109 | | | |
| Isophorone | ** * | 71.3 | ug/L | 10 | 71 | 42 | 102 | | | |
| | methylamine | 41.5 | ug/L | 10 | 41 | 20 | 45 | | | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

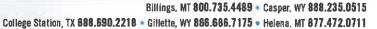
Report Date: 03/02/17
Work Order: C17020566

Project: 170217005 LFH-1 CO-0121724

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------------------|---------------|----------|----------|-----------|----------------|-----|----------|-----------|
| Method: E625 | | · | | | | | | Batch | : 107004 |
| Lab ID: B17021688-00 | 1CMS Sample Matri | x Spike | | | Run: SV59 | 73N2.I_170227B | | 02/27/ | /17 20:29 |
| n-Nitroso-di-n-propylamine | 76.9 | u g/ L | 10 | 77 | 49 | 98 | | | |
| n-Nitrosodiphenylamine | 93.7 | ug/L | 10 | 94 | 61 | 108 | | | |
| 2-Nitrophenol | 69.9 | ug/L | 10 | 70 | 51 | 96 | | | |
| 4-Nitrophenol | 24.6 | ug/L | 50 | 25 | 15 | 36 | | | |
| Naphthalene | 76.0 | ug/L | 10 | 76 | 48 | 96 | | | |
| Nitrobenzene | 72.5 | ug/L | 10 | 73 | 51 | 91 | | | |
| Pentachlorophenol | 89.2 | ug/L | 50 | 89 | 53 | 109 | | | |
| Phenanthrene | 85.1 | ug/L | 10 | 85 | 58 | 104 | | | |
| Phenol | 36.7 | ug/L | 10 | 37 | 27 | 45 | | | |
| Pyrene | 89.8 | ug/L | 10 | 90 | 64 | 108 | | | |
| 1,2,4-Trichlorobenzene | 70.9 | ug/L | 10 | 71 | 49 | 85 | | | |
| 2,4,6-Trichlorophenol | 67.7 | ug/L | 10 | 68 | 47 | 99 | | | |
| Surr: 2-Fluorobiphenyl | | | 10 | 62 | 28 | 107 | | | |
| Surr: 2-Fluorophenol | | | 10 | 39 | 20 | 56 | | | |
| Surr: Nitrobenzene-d5 | | | 10 | 72 | 32 | 94 | | | |
| Surr: Phenol-d5 | | | 10 | 35 | 19 | 45 | | | |
| Surr: Terphenyl-d14 | | | 10 | 87 | 32 | 122 | | | |
| Surr: 2,4,6-Tribromopheno | ol . | | 10 | 75 | 21 | 130 | | | |
| Lab ID: B17021688-003 | • | - | | | | 73N2.I_170227B | | 02/27/ | 17 21:31 |
| Acenaphthene | 89.8 | ug/L | 10 | 90 | 58 | 99 | | | |
| Acenaphthylene | 82.2 | ug/L | 10 | 82 | 57 | 96 | | | |
| Anthracene | 73.2 | ug/L | 10 | 73 | 60 | 107 | | | |
| Azobenzene | 80.2 | ug/L | 10 | 80 | 56 | 100 | | | |
| Benzo(a)anthracene | 85.1 | ug/L | 10 | 85 | 62 | 114 | | | |
| Benzo(a)pyrene | 77.0 | ug/L | 10 | 77 | 62 | 108 | | | |
| Benzo(b)fluoranthene | 73.3 | ug/L | 10 | 73 | 48 | 127 | | | |
| Benzo(g,h,i)perylene | 78.5 | ug/L | 10 | 79 | 62 | 121 | | | |
| Benzo(k)fluoranthene | 83.1 | ug/L | 10 | 83 | 55 | 111 | | | |
| 4-Bromophenyl phenyl ether | 78.1 | ug/L | 10 | 78 | 58 | 105 | | | |
| Butylbenzylphthalate | 92.9 | ug/L | 10 | 93 | 60 | 113 | | | |
| 4-Chioro-3-methylphenol | 69.5 | ug/L | 10 | 69 | 53 | 92 | | | |
| bis(-2-chloroethoxy)Methane | 69.6 | ug/L | 10 | 70 | 50 | 92 | | | |
| bis(-2-chloroethyl)Ether | 58.4 | ug/L | 10 | 58 | 44 | 82 | | | |
| bis(2-chloroisopropyl)Ether | 57.7 | ug/L | 10 | 58 | 56 | 87 | | | |
| 2-Chloronaphthalene | 77.7 | ug/L | 10 | 78 | 56 | 95 | | | |
| 2-Chlorophenol | 56.6 | ug/L | 10 | 57 | 47 | 76 | | | |
| 4-Chlorophenyl phenyl ether | 82.9 | ug/L | 10 | 83 | 58 | 99 | | | |
| Chrysene | 82.0 | ug/L | 10 | 82 | 63 | 106 | | | |
| Diethyl phthalate | 80.2 | ug/L | 10 | 80 | 58 | 103 | | | |
| | 86.9 | ug/L | 10 | 87 | 61 | 110 | | | |
| Di-n-butyl phthalate | | - | | | | | | | |
| Di-n-butyl phthalate 1,2-Dichlorobenzene 1,3-Dichlorobenzene | 61.5 59.3 | ug/L ug/L | 10 10 | 62 59 | 43 41 | 81 79 | | | |

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17 Work Order: C17020566

Project: 170217005 LFH-1 CO-0121724

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------|---------------|-------|----|------|-----------|----------------|-----|----------|------------|
| Method: E625 | | | · | | | | | Bato | h: 107004 |
| Lab ID: B17021688-003CMS | Sample Matrix | Spike | | | Run: SV59 | 73N2.I_170227B | | 02/27 | 7/17 21:31 |
| 1,4-Dichlorobenzene | 57.9 | ug/L | 10 | 58 | 42 | 79 | | | |
| 3,3'-Dichlorobenzidine | 52.9 | ug/L | 10 | 53 | 51 | 93 | | | |
| 2,4-Dichlorophenol | 61.5 | ug/L | 10 | 62 | 49 | 90 | | | |
| Dimethyl phthalate | 74.3 | ug/L | 10 | 74 | 58 | 104 | | | |
| Di-n-octyl phthalate | 82.5 | ug/L | 10 | 83 | 56 | 110 | | | |
| Dibenzo(a,h)anthracene | 75.9 | ug/L | 10 | 76 | 61 | 111 | | | |
| 2,4-Dimethylphenol | 60.0 | ug/L | 10 | 60 | 45 | 87 | | | |
| 4,6-Dinitro-2-methylphenol | 41.6 | ug/L | 50 | 42 | 37 | 105 | | | |
| 2,4-Dinitrophenol | 30.1 | ug/L | 50 | 30 | 27 | 81 | | | |
| 2,4-Dinitrotoluene | 86.9 | ug/L | 10 | 87 | 63 | 110 | | | |
| 2,6-Dinitrotoluene | 75.9 | ug/L | 10 | 76 | 60 | 107 | | | |
| bis(2-ethylhexyl)Phthalate | 81.5 | ug/L | 10 | 82 | 56 | 108 | | | |
| Fluoranthene | 82.0 | ug/L | 10 | 82 | 63 | 110 | | | |
| Fluorene | 81.9 | ug/L | 10 | 82 | 60 | 99 | | | |
| Hexachlorobenzene | 75.8 | ug/L | 10 | 76 | 57 | 103 | | | |
| Hexachlorobutadiene | 69.3 | ug/L | 10 | 69 | 39 | 83 | | | |
| Hexachlorocyclopentadiene | 69.5 | ug/L | 10 | 70 | 39 | 91 | | | |
| Hexachloroethane | 57.7 | ug/L | 10 | 58 | 37 | 75 | | | |
| Indeno(1,2,3-cd)pyrene | 73.4 | ug/L | 10 | 73 | 59 | 109 | | | |
| Isophorone | 68.4 | ug/L | 10 | 68 | 42 | 102 | | | |
| n-Nitrosodimethylamine | 27.8 | ug/L | 10 | 28 | 20 | 45 | | | |
| n-Nitroso-di-n-propylamine | 68.7 | ug/L | 10 | 69 | 49 | 98 | | | |
| n-Nitrosodiphenylamine | 84.0 | ug/L | 10 | 84 | 61 | 108 | | | |
| 2-Nitrophenol | 61.8 | ug/L | 10 | 62 | 51 | 96 | | | |
| 4-Nitrophenol | 27.7 | ug/L | 50 | 28 | 15 | 36 | | | |
| Naphthalene | 72.4 | ug/L | 10 | 72 | 48 | 96 | | | |
| Närobenzeле | 69.7 | ug/L | 10 | 70 | 51 | 91 | | | |
| Pentachlorophenol | 66.8 | ug/L | 50 | 67 | 53 | 109 | | | |
| Phenanthrene | 79.7 | ug/L | 10 | 80 | 58 | 104 | | | |
| Phenol | 33.9 | ug/L | 10 | 34 | 27 | 45 | | | |
| Pyrene | 81.2 | ug/L | 10 | 81 | 64 | 108 | | | |
| 1,2,4-Trichlorobenzene | 71.3 | ug/L | 10 | 71 | 49 | 85 | | | |
| 2,4,6-Trichlorophenol | 63.8 | ug/L | 10 | 64 | 47 | 99 | | | |
| Surr: 2-Fluorobiphenyl | | | 10 | 45 | 28 | 107 | | | |
| Surr: 2-Fluorophenol | | | 10 | 37 | 20 | 56 | | | |
| Surr: Nitrobenzene-d5 | | | 10 | 62 | 32 | 94 | | | |
| Surr: Phenol-d5 | | | 10 | 31 | 19 | 45 | | | |
| Surr: Terphenyl-d14 | | | 10 | 64 | 32 | 122 | | | |
| Surr: 2,4,6-Tribromophenol | | | 10 | 55 | 21 | 130 | | | |
| Lab ID: MB-107004 | Method Blank | | | | Run: SV59 | 73N2.I_170228A | | 02/28 | /17 12:11 |
| Benzidine | ND | ug/L | 10 | | | _ | | | |
| | | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17
Work Order: C17020566

| Analyte | | Result Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------|------------------|--|----|------|-----------------|-----------------------|-----|----------|-----------|
| Method: | E825 | | | | | | | Batcl | h: 107004 |
| Lab ID: Benzidine | LCS-107004 | Laboratory Control Sample 63.4 ug/L | 10 | 63 | Run: SV59 10 | 73N2.I_170228A 100 | | 02/28 | /17 12:42 |
| Lab ID: Benzidine | B17021688-001CMS | Sample Matrix Spike 25.8 ug/L | 20 | 26 | Run: SV59 10 | 73N2.I_170228A 100 | | 02/28 | /17 14:16 |
| Lab ID: Benzidine | B17021688-003CMS | Sample Matrix Spike 28.5 ug/L | 20 | 28 | Run: SV59 10 | 73N2.l_170228A 100 | | 02/28 | /17 15:18 |

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17

Work Order: C17020566

| CV_2 Continuing Ca 75.7 75.2 78.7 79.8 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 98 79.4 80.8 77.8 70.3 80.3 72.9 | alibration Verifug/Lug/Lug/Lug/Lug/Lug/Lug/Lug/Lug/Lug/L | 10 10 10 10 10 10 10 10 10 10 10 10 | 101 100 105 106 104 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 80 80 80 | 120 120 120 120 120 120 120 120 120 120 | An | nalytical Run: 02/27 | R275528 /17 15:18 |
|--|--|---|---|--|---|---|---|--|
| 75.7 75.2 78.7 79.8 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 89.8 77.8 70.3 80.3 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 10 10 10 | 101 100 105 106 104 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 80 80 80 | 120 120 120 120 120 120 120 120 120 | | 02/27 | /17 15:18 |
| 75.7 75.2 78.7 79.8 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 86 79.4 80.8 77.8 70.3 80.3 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 10 10 10 | 100 105 106 104 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 80 80 80 | 120 120 120 120 120 120 120 120 120 | | | |
| 78.7 79.8 78.0 78.0 78.6 75.3 73.2 97 74.4 84.4 77.2 98 79.4 80.8 77.8 70.3 80.3 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 10 10 | 105 106 104 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 80 80 | 120 120 120 120 120 120 120 120 120 | | | |
| 79.8 78.0 78.0 78.6 75.3 73.2 87 74.4 84.4 77.2 89 80.8 77.8 70.3 80.3 87.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 10 10 | 106 104 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 80 80 | 120 120 120 120 120 120 120 120 | | | |
| 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 9.4 80.8 77.8 70.3 80.3 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 10 | 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 80 | 120 120 120 120 120 120 120 | | | |
| 78.0 78.6 75.3 73.2 74.4 84.4 77.2 9.4 80.8 77.8 70.3 80.3 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 10 | 104 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 | 120 120 120 120 120 120 | | | |
| 78.6 75.3 73.2 74.4 84.4 77.2 80.8 77.8 70.3 80.3 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 | 105 100 98 99 113 103 106 108 | 80 80 80 80 80 80 | 120 120 120 120 120 120 | | | |
| 75.3 73.2 74.4 84.4 77.2 8e 79.4 80.8 77.8 70.3 80.3 9r 72.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 10 | 100 98 99 113 103 106 108 | 80 80 80 80 80 | 120 120 120 120 120 | | | |
| 73.2 74.4 84.4 77.2 80.8 77.8 70.3 80.3 87.9 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 10 | 98 99 113 103 106 108 | 80 80 80 80 | 120 120 120 120 | | | |
| 74.4 84.4 77.2 98.8 77.8 70.3 80.3 97.9 | ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 | 99 113 103 106 108 | 80 80 80 80 | 120 120 120 | | | |
| 84.4 77.2 79.4 80.8 77.8 70.3 80.3 87.3 | ug/L ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 10 | 113 103 106 108 | 80 80 80 | 120 120 | | | |
| 84.4 77.2 79.4 80.8 77.8 70.3 80.3 87.3 | ug/L ug/L ug/L ug/L ug/L | 10 10 10 10 | 103 106 108 | 80 80 | 120 | | | |
| 79.4 80.8 77.5 70.3 80.3 87 | ug/L ug/L ug/L ug/L | 10 10 10 | 106 108 | 80 | | | | |
| 80.8 77.8 70.3 80.3 er 72.9 | ug/L ug/L ug/L ug/L | 10 10 | 108 | | 120 | | | |
| 80.8 77.8 70.3 80.3 r 72.9 | ug/L ug/L ug/L | 10 | | | | | | |
| 70.3 80.3 r 72. 9 | ug/L ug/L | | 104 | 80 | 120 | | | |
| 70.3 80.3 r 72. 9 | ug/L | 10 | 104 | 80 | 120 | | | |
| r 72.9 | | | 94 | 80 | 120 | | | |
| | | 10 | 107 | 80 | 120 | | | |
| | ug/L | 10 | 97 | 80 | 120 | | | |
| 75.0 | ug/L | 10 | 100 | 80 | 120 | | | |
| 75.7 | ug/L | 10 | 101 | 80 | 120 | | | |
| 81.6 | ug/L | 10 | 109 | 80 | 120 | | | |
| 72.7 | ug/L | 10 | 97 | 80 | 120 | | | |
| 77.8 | ug/L | 10 | 104 | 80 | 120 | | | |
| 74.9 | ug/L | 10 | 100 | 80 | 120 | | | |
| 75,8 | ug/L | 10 | 101 | 80 | 120 | | | |
| 74.8 | ug/L | 10 | 100 | 80 | 120 | | | |
| 75.3 | ug/L | 10 | 100 | 80 | 120 | | | |
| 83.5 | ug/L | 10 | 111 | 80 | 120 | | | |
| 74.8 | ug/L | 10 | 100 | 80 | 120 | | | |
| 73.0 | ug/L | 10 | 97 | 80 | 120 | | | |
| 71.3 | ug/L | 50 | 95 | 80 | 120 | | | |
| 69.4 | - | | 93 | | | | | |
| 79.4 | _ | | 106 | | | | | |
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Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17

Work Order: C17020566

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD RI | PDLimit | Qual |
|----------------------------|---------------|------------------|---------------|------|-----------|------------|--------|------------|------------|
| Method: E625 | | | | | | | Analy | tical Run: | R27552 |
| Lab ID: 27-Feb-17_CCV_2 | Continuing Ca | libration Vertfi | cation Standa | ırd | | | | 02/27 | 7/17 15:18 |
| n-Nitrosodimethylamine | 75.3 | ug/L | 10 | 100 | 80 | 120 | | | |
| n-Nitroso-di-n-propylamine | 77.8 | ug/L | 10 | 104 | 80 | 120 | | | |
| n-Nitrosodiphenylamine | 78.9 | ug/L | 10 | 105 | 80 | 120 | | | |
| 2-Nitrophenol | 75.8 | ug/L | 10 | 101 | 80 | 120 | | | |
| 4-Nitrophenol | 69.6 | ug/L | 50 | 93 | 80 | 120 | | | |
| Naphthalene | 79.8 | ug/L | 10 | 106 | 80 | 120 | | | |
| Nitrobenzene | 76.8 | ug/L | 10 | 102 | 80 | 120 | | | |
| Pentachiorophenol | 73.3 | ug/L | 50 | 98 | 80 | 120 | | | |
| Phenanthrene | 74.0 | ug/L | 10 | 99 | 80 | 120 | | | |
| Phenoi | 79.2 | ug/L | 10 | 106 | 80 | 120 | | | |
| Pyrene | 75.2 | ug/L | 10 | 100 | 80 | 120 | | | |
| 1,2,4-Trichlorobenzene | 72.8 | ug/L | 10 | 97 | 80 | 120 | | | |
| 2,4,6-Trichlorophenol | 73.6 | ug/L | 10 | 98 | 80 | 120 | | | |
| Surr: 2-Fluorobiphenyi | | | 10 | 100 | 80 | 120 | | | |
| Surr: 2-Fluorophenol | | | 10 | 113 | 80 | 120 | | | |
| Surr: Nitrobenzene-d5 | | | 10 | 105 | 80 | 120 | | | |
| Surr: Phenol-d5 | | | 10 | 121 | 80 | 120 | | | S |
| Surr: Terphenyl-d14 | | | 10 | 101 | 80 | 120 | | | |
| Surr: 2,4,6-Tribromophenol | | | 10 | 102 | 80 | 120 | | | |
| Method: E625 | | | | | | | Analy | tical Run: | R275577 |
| Lab ID: 28-Feb-17_CCV_2 | Continuing Ca | libration Verifi | cation Standa | rd | | | | 02/28 | /17 11:39 |
| Benzidine | 89.5 | ug/L | 10 | 119 | 80 | 120 | | | |

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc **Project:** 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------|-------------------|----------------|-----------------------|-----------|------|-----------|----------------|-----|----------------|------------------|
| Method: | SW8260M | | | | | | | - | Analytical Rur | n: 107003 |
| Lab ID: | CCV-107003 | Continuing Cal | ibration Verification | on Standa | ırd | | | | | /17 08:30 |
| 1,4-Dioxane | | 105 | ug/L | 1.0 | 105 | 80 | 120 | | GE/E/ | 717 00.00 |
| Method: | SW8260M | | | | | | | | Batch | n: 107003 |
| Lab ID: | LCS-107003 | Laboratory Cor | ntrol Sample | | | Run: VOA5 | 973A.I_170227A | | 02/27 | /17 09:22 |
| 1,4-Dioxane | | 106 | ug/L | 1.0 | 106 | 70 | 130 | | | |
| Lab ID: | MB-107003 | Method Blank | | | | Run: VOA5 | 973A.I_170227A | | 02/27/ | /17 09:44 |
| 1,4-Dioxane | | ND | ug/L | 1.0 | | | | | | |
| Lab ID: | C17020566-001BMS | Sample Matrix | Spike | | | Run: VOA5 | 973A.I_170227A | | 02/27/ | 17 11:3 7 |
| 1,4-Dioxane | | 200 | ug/L | 2.0 | 100 | 70 | 130 | | | ******* |
| Lab ID: | C17020566-001BMSD | Sample Matrix | Spike Duplicate | | | Run: VOA5 | 973A.I_170227A | | 02/27/ | 17 11:59 |
| 1,4-Dioxane | | 206 | ug/L | 2.0 | 103 | 70 | 130 | 3.0 | 20 | |

Work Order Receipt Checklist

Colorado Analytical Laboratories Inc C17020566

| Login completed by: | Dorian Quis | | Dat | e Received: 2/21/2017 | |
|---|---------------------------------|----------------|------|------------------------|--|
| Reviewed by: | Kasey Vidick | | F | Received by: dcq | |
| Reviewed Date: | 2/21/2017 | | C | arrier name: Ground | |
| Shipping container/cooler in | good condition? | Yes 🗸 | No 🔲 | Not Present | |
| Custody seals intact on all s | hipping container(s)/cooler(s)? | Yes 🗌 | No 🗌 | Not Present 🗸 | |
| Custody seals intact on all sa | ample bottles? | Yes 🗌 | No 🔲 | Not Present ✓ | |
| Chain of custody present? | | Yes 🗸 | No 🔲 | | |
| Chain of custody signed who | en relinquished and received? | Yes 🗸 | No 🗌 | | |
| Chain of custody agrees with | sample labels? | Yes 🗸 | No 🗌 | | |
| Samples in proper container | bottle? | Yes 🗸 | No 🔲 | | |
| Sample containers intact? | | Yes 🔽 | No 🗌 | | |
| Sufficient sample volume for | indicated test? | Yes 🔽 | No 🗌 | | |
| All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Sul | insidered field parameters | Yes 🗸 | No 🗀 | | |
| Temp Blank received in all sh | nipping container(s)/cooler(s)? | Yes 🗌 | No 🗹 | Not Applicable | |
| Container/Temp Blank temps | rature: | 6.8°C Blue ica | | | |
| Water - VOA vials have zero | headspace? | Yes 🗸 | No 🗌 | No VOA viats submitted | |
| Water - pH acceptable upon i | receipt? | Yes | No 🗌 | Not Applicable | |
| Standard Danasti | - Dragadona | | | | |

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Chain of Custody Form

| Report To Information | Bill To Information (If different from report to) | Project Name |
|--------------------------------------|---|-----------------------------|
| Company Name: Colorado Analytical | Company Name: Same As Report To | 170217005 |
| Contact Name: Stuart Niclson | Contact Name: | Lfb-1 Co-0121724 |
| Address: 240 S. Main St. | Address: | Task Number (Lab Use Only) |
| | | |
| City Brighton State CQ Zip80601 | City_State_Zip | |
| Phone: 3036592313 Fax: 3036592315 | Phone: Fax: | |
| Email: stuartnielson@coloradolab.com | Email: | Disposal Date(Lab Use Only) |
| Sample Collector: Stephanic Schwenke | PO No.: | |
| | | |

| Colorado Analytical | 240 South Main Street Brighton, CO 80601 |
|---------------------|---|
|---------------------|---|

240 South Main Street
Brighton, CO 80601
Lakewood Lab
12860 W. Cedar Dr., Suite 100A
Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315 WWW.coloradolab.com

| 1 1940 CUE | | | | | | | | Senis Present Yes II No FEO | Received By: Date/Time: | 12000 Julius 2/21/17 1150 |
|--|--|--|--|--|--|--|---|-----------------------------|--------------------------|---------------------------|
| | 625 SOCs 1,4 Dioxane | | | | | | | | CS Charge Date/Time: | - { |
| | No. of Containers Grab or (Check One Only) Composite Composite | \[\textsquare \te | | | | | | | Relinguished By: | |
| | Water | | | | | | C/K Tudos | | Deliver | |
| The second second second | Plant Tissue Other Drinking Water | | | | | | | | Date/Time: | |
| The same of the last | 000 | | | | | | | | Received By: | |
| Contract Con | Soli Sludge Compost | 170217005-01 LFH-1 | | | | | nergy Labs | | Date/Filme: | 1600 |
| | Waste Water Ground Water Gurface Water | 17021 | | | | | Instructions: Send via UPS to Energy Lahs | | hed By: | |
| National Property lies | Wash Groun Surfa | 2/16/17 | | | | | Instructi | 6 | Relingui | |

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Inorganic Chemicals Certified Laboratory Report Form

Revised 6/13/2014

| Odorado Departement of Parking Fleath and Envisorment | | 430(Fa | WQCD - Drinking Water CAS 4300 Cherry Creek Drive South, Denver, CO Fax: (303) 758-1398; cdphe.drinkingwater@ | WQCD - Drinking Water CAS 300 Cherry Creek Drive South, Denver, CO 80246-1530 Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us | | | | IOC |
|---|---|--|---|--|--|---------------------|-----------|--------|
| | Section I (Supplied | Section I (Supplied or Completed by Public Water System) Public Water System Information | ic Water System) | Section JI (Supplied | Section II (Supplied or Completed by Certified Laboratory) | rified La | horatory) | |
| PWSID#: C00121724 | | | | Laboratory ID: CO 0015 | Cel tinet trabel attity timefiliation | Папоп | | |
| System Name: | System Name: Sterling Ranch MD | Q1 | | Laboratory Name: Colorado Analytical Laboratory | lytical Laboratory | | ļ. | |
| Contact Person: Mark Volle | 1: Mark Volle | | Phone #: 719-227-0072 | Contact Person: Customer Service | | Phone: 303-659-2313 | 2313 | |
| Comments: | | | Do Samples Need to be Composited BY THE LAB? | Coroments: | | | | |
| | | | | | | | | |
| | | | Section III (Supplied or Comp | I (Supplied or Completed by Public Water System) | | | | |
| Sample Date: 3/23/17 | | Collector: Stephanie Schwe Facility [] | e Facility ID (On Schedule): New Well | | Sample Pt ID (On Schedule): | New Well | ell | |
| | | Se | ection IV Inorganic Chemicals (C | Section IV Inorganic Chemicals (Completed by Certified Laboratory) | | | | |
| Lab Receipt Date | Lab Analysis Date | Lab Sample ID | Analyte Name | CAS No. | Analytical Method | MCL (ms/l.) | Lab MRI. | Result |
| 3/24/17 | 3/24/17 | 170324007-01 | Fluoride | 7681-49-4 | | 4 | 0.09 | 1.22 |
| | | | | | | | | - |

mg/L: Milligrams per Liter MCL: Maximum Contaminant Level

NT: Not Tested Lab MRL: Laboratory Minimum Reporting Level BDL: Below Laboratory MRL. A less than (<) may also used.

4/21/17 170324007-01 1/1

Sampler Name: Report To Informati Company Name: Contact Name: Addressi46 E. Phone: 19-33 Email: MV5/ 3

| Colorado Analytical | | Brighton Lab | 240 South Main Street | Brighton, CO 80601 | Lakewood Lab | 12860 W. Cedar Dr. Suite 100A | | | www.coloradolab.com | |
|---------------------------------|---|---|--------------------------|--------------------|--|---|------------------------------------|-----------------|--|--------------------------------|
| page lot 2 | State Form / Project Information | EVEID: O O TO | System Name: | STRALTING RANCH MD | Address: 20 ROLL For CRESCELE | Carlo | City Spice State Co Zip (1908) | County: El Paso | Compliance Samples: Yes M No | Send Forms to State: Yes No 12 |
| Drinking Water Chain of Custody | Bill To Information (if different from report to) | Company Name: 5R WATER | Contact Name: 575 MORLEY | 1 | Address: 20 BOLLDER CRESSELY 20 ROLLDER CRESSELY | Total Control of the | City 28 POLICE State Cozin 8080 \$ | Phone: Fax: | 126 Whydre from Emili imorter 3870 and com | |
| | ition | 1 DS-Hydro Condultaris company Name: 5R | Mark Volle | | Phles Pear LANG | inte 300 | State SC963 | 97-0079m | Ha which and me | Rechange Schwenke RONG. |

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Address: State ZipSUPUZ page 2052 Email: MVDILE JASHYDro, Com Email: JMONTER 3870@ast.com Compliance Samples: Yes 1000 Send Forms to State: Yes No. 18 State Form / Project Information County: El Passo 5 City Address: 20 Boulder Cresent CINCOLSER SINICOZIN 20103 Bill To Information (If different from report to) Contact Name: Jim Worley Company Name: 305-144dre Consultants Company Name: SR Walter Sampler Name: - ACTION SAMPLE NO. SAMPLE NO. SAMPLE NO. Phone: Starle 21p 80963 Addressiyo E. Piks Peak Ave Contact Name: Mark Volle Suite 200 Phone: 119-327-0073 Report To Information City (5

Colorado Analytical LABORATORIES, INC. Brighton Lab 240 South Main Street Brighton, CO 80601 <u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

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| 1 | Page 3 of | | 1 | | | [| | | | | | - 1 | | | 12 | r IX |

Inorganic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

IOC

| S | ection I (Sumplied | Section I (Sumplied or Completed by Public Water System) | c Water System) | Section II (S | Section II (Supplied or Completed by Certified Laboratory) | v Certified I | aboratory | |
|----------------------------|--------------------------------|--|---|---|--|---------------------|-----------|---------------|
| | Public | Public Water System Information | ation | | Certified Laboratory Information | Information | | |
| PWSID#: C00121724 | | | | Laboratory ID: CO 0015 | | | | |
| System Name: | System Name: Sterling Ranch MD | 01 | | Laboratory Name: Colorado Analytical Laboratory | lo Analytical Laborato | ry | | |
| Contact Person: Mark Volle | : Mark Volle | | Phone #: | Contact Person: Customer Service | | Phone: 303-659-2313 | 9-2313 | |
| Comments: | | | Do Samples Need to be Composited BY THE LAB? | Comments; | | : | | |
| | | | | ; | | | | |
| | | | Section III (Supplied or Comp | I (Supplied or Completed by Public Water System) | 1) | | | |
| Sample Date: 3/23/17 | | Collector: Stephanie Schwe Facility J | | Vew Well Sau | Sample Pt ID (On Schedule): | de): New Well | Well | |
| | | Sec | Section IV Inorganic Chemicals (C | organic Chemicals (Completed by Certified Laboratory) | atory) | | | |
| Lab Receipt Date | Lab Analysis Date | Lab Sample ID | Analyte Name | CAS No. | Analytical | MCI. | Lab MRI. | Result (mu/I) |
| 3/24/17 | 3/29/17 | 170324007-01A | Antimony | 7740-36-0 | F.P.A. 200.8 | 0.006 | 0.001 | BDI. |
| 3/24/17 | 3/29/17 | 170324007-01A | Arsenic | 7440-38-2 | EPA 200.8 | 10.01 | 0.001 | 0.002 |
| 3/24/17 | 3/29/17 | 170324007-01A | Barium | 7440-39-3 | EPA 200.8 | 2 | 0.001 | 0.003 |
| 3/24/17 | 3/29/17 | 170324007-01A | Beryllíum | 7440-41-7 | EPA 200.8 | 0.004 | 0.001 | BDL |
| 3/24/17 | 3/29/17 | 170324007-01A | Cadmium | 7440-43-9 | EPA 200.8 | 0.005 | 0.001 | BDL |
| 3/24/17 | 3/29/17 | 170324007-01A | Chromium | 7440-47-3 | EPA 200.8 | 0.1 | 0.001 | BDL |
| 3/24/17 | 3/29/17 | 170324007-01A | Mercury | 7439-97-6 | EPA 200.8 | 0.002 | 0.0001 | BDL |
| 3/24/17 | 3/29/17 | 170324007-01A | Nickel | 7440-02-0 | EPA 200.8 | N/A | 0.001 | 0.001 |
| 3/24/17 | 3/29/17 | 170324007-01A | Selenium | 7782-49-2 | EPA 200.8 | 0.05 | 0.001 | BDL |
| 3/24/17 | 3/30/17 | 170324007-01A | Sodium | 7440-23-5 | EPA 200.7 | N/A | 0.1 | 52.8 |
| 3/24/17 | 3/29/17 | 170324007-01A | Thallium | 7440-28-0 | EPA 200,8 | 0.002 | 0.001 | BDL |
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mg/L: Milligrams per Liter MCL: Maximum Contaminant Level

NT: Not Tested Lab MRL: Laboratory Minimum Reporting Level BDL: Below Laboratory MRL. A less than (<) may also used.

4/21/17

170324007-01A

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page lot 2

State Co Zip & CHOS Address: 20 BOLLDER CRESCENT 20 BOLLDER CRESCELY STERVENCE RANCH MD Compliance Samples: Yes K No Send Forms to State: Yes | No the State Form / Project Information PWSID: CO O121724 System Name: County: El Paso City COLO Email: M Volle (2) Shuda com Email: smortey 38 toward com City Specific Sinte Cozin 80905 Bill To information (if different from report to) Contact Name: SIM MORLEY Company Name: J DS-Hedro Centel Company Name: 5R WATER Sampler Name: Stechante Schwenke PONO. Phone: Address & Piles Peach Ave (2) San (Com 80903 Contact Name: Mark Volle Suite 325 Phone: 119-337-0074x; Report To Information

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| Colorado Analytical | LABORATORIES, INC. |
|------------------------|--------------------|
| 6. | - |

240 South Main Street Brighton, CO 80601 Brighton Lab

Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

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Brighton Lab 240 South Main Street Brighton, CO 80601

12860 W. Cedar Dr, Suite 100A Lakewood CO 80228 Lakewood Lab

Phone: 303-659-2313 Fax: 303-659-2315

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Analytical Results

TASK NO: 170324007

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water 20 Boulder Crescent St.

Colorado Springs CO 80903

Task No.: 170324007

Client PO:

Client Project: Sterling Ranch MD C00121724

Date Received: 3/24/17

Date Reported: 4/21/17

Matrix: Water - Drinking

Customer Sample ID Sterling Ranch MD

Sample Date/Time: 3/23/17

8:03 AM

Lab Number: 170324007-01

| Test | Result | Method | ML | Date Analyzed | Analyzed By |
|------------------------|---------------------|-------------|------|---------------|-------------|
| Bicarbonate | 99.7 mg/L as CaCO3 | SM 2320-B | 0.1 | 3/28/17 | VDB |
| Calcium as CaCO3 | 2.5 mg/L | SM 3111-B | 0.1 | 3/30/17 | MBN |
| Carbonate | < 0.1 mg/L as CaCO3 | SM 2320-B | 0.1 | 3/28/17 | VDB |
| Langelier Index | -1.23 units | SM 2330-B | | 3/31/17 | LJG |
| pH | 8.16 units | SM 4500-H-B | 0.01 | 3/24/17 | MBN |
| Temperature | 20 °C | SM 4500-H-B | 1 | 3/24/17 | MBN |
| Total Alkalinity | 99.7 mg/L as CaCO3 | SM 2320-B | 0.1 | 3/28/17 | VDB |
| Total Dissolved Solids | 143 mg/L | SM 2540-C | 5 | 3/29/17 | ISG |

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L = Micrograms Per Liter or PPB mpn/100 m/s = Most Probable Number Index/ 100 m/s Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY

page lot 2

State Co Zip & CROS Address:

20 BOULDES CRESCEIN 20 BOULDER CRESCEIN STERVENCE RANCH MD Compliance Samples: Yes K No Send Forms to State: Yes | No Es State Form / Project Information PWSID: CO OIQ1424 System Name: County: El Paso City COLO 2019 (11) Email: Mys/ka/ jashuda com Email: jmortey 3870@aol.com City SPACE JCS. State Cozzp 8080 \$ Bill To Information (If different from report to) Contact Name: STM MORLEY Company Name: J DS-Hedro Censellants Company Name: 5R WATER Sampler Name: Stechante Schwenke PONG. Phone: Addresig E. Phies Pack Aug (3 Sandazap 80963 Contract Name: Mark Valle Suite 300 Phone: 119-337-0079ax. Report To Information City

| Colorado Analytical | LABORATORIES, INC. |
|------------------------|--------------------|
| C. | 1 |

Brighton Lab 240 South Main Street Brighton, CO 80601 Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

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Colorado Analytical Brighton Lab 240 South Main Street Brighton, CO 80601 Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315 www.coloradolab.com

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Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

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| | Section 1 | Section I (Supplied or Completed by Public Water System) | ted by Public W | ater System | | | Section II (S | Section II (Supplied or Completed by Certified Laboratory) | pleted by Cert | tified Labor | oratory) | |
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| Contact | Contact Person: Mark Volle | Volle | I | Phone #: 719 | 719-227-0072 | Contact P | Contact Person: Customer Service | r Service | Phone: 3 | Phone: 303-659-2313 | 113 | |
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| Sample Date | Collector | Facility ID On Schedule | Sample Pt ID On Schedule | Confirmation? | Lab Receipt Date | Lab Analysis Date | Laboratory Sample ID # | Analyte | Analytical Method | MCL (mg/L) | Lab MRI. | Result (mg/L) |
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| 3/23/17 | 3/23/17 tephanic Schwenk New Well | New Well | New Well | | 3/24/17 | 3/24/17 | 170324007-01 | Nitrite Nitrogen | EPA 300.0 | - | 0.1 | BDL |

mg/L: Milligrams per Liter MCL: Maximum Contaminant Level

NT: Not Tested Lab MRL: Laboratory Minimum Reporting Level BDL: Below Laboratory MRL. A less than (<) may also used.

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Colorado Analytical

Brighton Lab 240 South Main Street Brighton, CO 80601 Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

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Submit Online at http://www.wqcdcompliance.com/login Organic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS

Revised 4/13/2015

VOC/SOC

| Section I (Surplied or Completed by Public Water System) Public Water System Information | ic Water System) | Section J. (Sumble Certif | Section II (Sumplied or Completed by Certified Laboratory) Certified Laboratory Information | ertified L | aboratory) | |
|--|---|--|--|---------------------|----------------|------------------|
| | | Laboratory ID: CO 00063 | Turney I very transfer of the second | | | |
| System Name: Sterling Ranch MD | | Laboratory Name: Colorado As | Colorado Analytical Laboratory | | | |
| Contact Person: Mark Volle | Phone #: 719-227-0072 | Contact Person: Customer Service | | Phone: 303-659-2313 | -2313 | |
| | Do Samples Need to be Composited BY THE LAB? | Comments: | | | | |
| | | | | | | |
| | Section V (Supplied or Comp | (Supplied or Completed by Public Water System) | | | | |
| Collector: Stephanie S | Stephanie Schwenk Facility ID (On Schedule): | New Well Sample I | Sample Pt ID (On Schedule): | New Well | | |
| Si | Section VI Synthetic Organic Chemicals (Sur | leted by C | Laboratory) | | | |
| Lab Analysis Lab Sample ID Date | Analyte Name | CAS No | Analytical | MCL (ug/L) | Lab MRL (ug/L) | Result (uo/L) |
| 4/3/17 170324007-01E | Dibromochloropropane | 96-12-8 | EPA 504.1 | 0.2 | 0.02 | BDL |
| | 2,4,-D | 94-75-7 | EPA 515.4 | 70 | 0.1 | BDL |
| | 2,4,5.TP | 93-72-1 | EPA 515.4 | 50 | 0.2 | BDL |
| | Alachlor | 15972-60-8 | EPA 525.2 | 7 | 0.2 | BDL |
| | Aldicarb | 116-06-3 | EPA 531.1 | N/A | 9.0 | BDL |
| | Aldicarb sulfone | 1646-88-4 | EPA 531.1 | N/A | 1 | BDL |
| | Aldicarb sulfoxide | 1646-87-3 | EPA 531.1 | N/A | 0.7 | BDL |
| | Atrazine | 1912-24-9 | EPA 525.2 | 3 | 0.1 | BDL |
| - | Benzo(a)pyrene | 50-32-8 | EPA 525.2 | 0.2 | 0.02 | BDL |
| + | Carbofuran | 1563-66-2 | EPA 531.1 | 40 | 6'0 | BDL |
| | Chlordanc | 57-74-9 | EPA 505 | 2 | 0.2 | BDL |
| | Dalapon | 75-99-0 | EPA 515.4 | 200 | _ | BDL |
| | Di(2-ethylhexyl)adipate | 103-23-1 | EPA 525.2 | 400 | 9.0 | BDL |
| 1 | Di(2-ethylhexyl)phthalate | 117-81-7 | EPA 525.2 | 9 | 9.0 | BDL |
| + | Dinoseb | 85-85-7 | EPA 515.4 | 7 | 0.2 | BDL |
| + | Diquat | 85-00-7 | EPA 549.2 | 20 | 0.4 | BDL |
| + | Endothall | 145-73-3 | EPA 548.1 | 100 | 6 | BDL |
| | Endrín | 72-20-8 | EPA 505 | 7 | 10.0 | BDL |
| + | Ethylene dibromide | 106-93-4 | EPA 504.1 | 0.05 | 0.01 | BDL |
| | Heptachlor | 76-44-8 | EPA 525.2 | 0.4 | 0.04 | BDL |
| 3/30/17 170324007-01F | Heptachlor epoxide | 1024-57-3 | HPA 505 | 0.2 | 0.02 | BDL |
| | | | | | | |

NT: Not Tested ug/L: Micrograms per Liter MCL: Maximum Contaminant Level BDL Below Laboratory MRL A less than sign (<) may also be used.

170324007-01 N

1/2

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| | | | Result | (ug/L) | RDL | RNI | E I | RDI | TO TO | Ida | | RNI | R | RDI |
| | | | Lab MRL | (ng/L) | 0.1 | 0.1 | 200 | 0.1 | - | 200 | 10 | 0.1 | 0.07 | - |
| | New Well | 1 | MCL | (ug/L.) | Ţ | 50 | 0.2 | 40 | 200 | - | 200 | 0.5 | 4 | |
| | Sample Pt ID (On Schedule): | aboratory) | Analytical | Method | EPA 505 | EPA 505 | EPA 505 | EPA 505 | EPA 531.1 | EPA 515.4 | EPA 515.4 | EPA 505 | EPA 525.2 | EPA 505 |
| lic Water System) | /ell Sample Pt | unleted by Certified L | CAS No. | | 118-74-1 | 77.47.4 | 58-89-9 | 72-43-5 | 23135-22-0 | 87-86-5 | 1918-02-1 | 1336-36-3 | 122-34-9 | 8001-35-2 |
| Section V (Supplied or Completed by Public Water System) | Stephanie Schwenk Facility ID (On Schedule): New Well | Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory) | Analyte Name | | Hexachlorobonzene | Hexachlorocyclopentadiene | Lindane | Methoxychlor | Oxamyl | Pentachlorophenol | Pictoram | Polychlorinated biphenyl's | Simazine | Toxaphene |
| | Collector: Stephanie S | Section VI S | Lab Sample ID | | 170324007-01F | 170324007-01F | 170324007-01F | 170324007-01F | 170324007-01J | 170324007-01G | 170324007-01G | 170324007-01F | 170324007-011 | 170324007-01F |
| 21724 | | | Lab Analysis | Date | 3/30/17 | 3/30/17 | 3/30/17 | 3/30/17 | 3/31/17 | 3/29/17 | 3/29/17 | 3/30/17 | 3/31/17 | 3/30/17 |
| PWSID#: CO0121724 | Sample Date: 3/23/17 | | Lab Receipt | one/1 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 | 3/24/17 |

page lot 2

Colorado Analytical

ABORATORIES, INC.

State Co Zip & GOOS 20 BOULDER CRESCRING STERLENC RANCH MD Compliance Samples: Yes KZ No Send Forms to State: Yes | No m State Form / Project Information PWSID: CO O/2/424 System Name: County: El Pase ('ily 5065 BOULDER CRESCENT Email: MVS/K(2) Washind a Com Email: innortey 38 to Dad . com City SPACE 164 State Cozin 8090 \$ Bill To information (if different from report to) Continet Name: JEM MORLEY Company Name: JDS-H-Ldro Congal Company Name: 5R WATER Address: Phone: Sampler Name: Stechante Schwenke Pona. Strate SO903 Addressig E. PilesPeackAve Contact Name: Mark Volle Sulk 350 Phone: 119-337-0079ax; Report To Information

CITY

Page 3 of 4

Lakewood Lab 12860 W. Cedar Dr, Suite 100A

www.coloradolab.com

Phone: 303-659-2313 Lakewood CO 80228

Fax: 303-659-2315

Brighton Lab 240 South Main Street

Brighton, CO 80601

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with the bottle shipment. Please preserve Diquot Sample #8 no soon as you receive this shipment, Delivered Via: Fed Ex

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Instructions: No 149504

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page 2012

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Address: Starle ZipSU903 Compliance Samples: Yes IV No Send Forms to State: Yes No. 18 State Form / Project Information County: 6 Passe City (5) Email: MVolle@jdshydre, Con Email: jmorten 38700001-con Address: 20 Bandder Cresent CIOCOLOGRED SIGNED ZIP 20103 Bill To Information (If different from report to) Contact Name: Jim Morley Company Name: JB-1-Hodre Consultants Company Name: SR Waster Sampler Name: KONEME SCHUSENKE PO No. Star Con 80963 Addressing E. P. Les Peak Ave Suff 200 Contact Name: Mark Volle Phone: 119-337-0073 Report To Information

City (5)

| Colorado Analytical | LABORATORIES, INC. |
|------------------------|--------------------|
| ~1 | |

Brighton Lab 240 South Main Street Brighton, CO 80601

12860 W. Cedar Dr, Suite 100A Lakewood CO 80228 Lakewood Lab

Phone: 303-659-2313 Fax: 303-659-2315

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| ask N | 32400 ARF | Ë | 300 | 5 | . ! | 8:26 | 8.18 | (ķ | ŝ | 15. 15 B | % | 8:39 | tion | : | shed Section |
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Radionuclides Certified Laboratory Report Form

WQCD – Drinking Water CAS 4300 Cherry Creek Drive South; Denver, CO 80246-1530



| of Public Health and Environment | | F | Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us | he.drinkingw | vater@state.co.us | | | | • |
|-------------------------------------|------------------------------------|--|--|------------------------------|--|----------------------------------|-----------------------|-------------|------------|
| | Section | Section I (Supplied or Completed by Public Water System) | ablic Water System) | | Section II (Supplied or Completed by Certified Laboratory) | d or Completed | by Certified I | aboratory) | |
| | P | Public Water System Information | | | Certified La | Certified Laboratory Information | nation | | |
| PWS ID: C00121724 | 21724 | | | Laboratory ID: CO 00008 | 80000 C | | | | |
| System Name: | System Name: Sterling Ranch MD | Q | | Laboratory Name | Laboratory Name: Hazen Research, Inc. | | | | |
| Contact Person: | • • | | Phone #: | Contact Person: Jessica Axen | essica Axen | | Phone #: 303-279-4501 | 279-4501 | |
| Comments: | | | Do Samples Need to be Composited BY THE LAB? | Comments: | | | | | |
| | | | Section III (Supplied | or Completed by | Section III (Supplied or Completed by Public Water System) | | | | |
| Sample Date: 03/23/2017 | | Collector: | Facility ID (On Schedule): | Sam | Sample Pt ID (On Schedule): | | | : | |
| | | | Section IV Radionuclides (Supplied or Completed by Certified Laboratory) | upplied or Comp | leted by Certified Laborate | iry) | | | |
| Lab Receipt Date | Lab Receipt Lab Analysis Date Date | Lab Sample ID | Analyte Name (Code) | (apo | CAS No. | Analytical Method | MCL | Lab MRL | Result |
| 03/24/2017 | 04/18/2017 | C27017-001 | Gross Alpha Including Uranium (4002) | anium (4002) | 12587-46-1 | SM 7110 B | N/A | 1.5 | 0.0(±1.5) |
| |))))) | | Combined Uranium (4006) | (4006) | 7440-61-1 | D2907-97 | 30 ug/L | | |
| 03/24/2017 | 04/07/2017 | C27017-001 | Radium -226 (4020) | (07) | 13982-63-3 | SM 7500-RaB | N/A | 0.1 | 0.4(±0.3) |
| 03/24/2017 | 03/30/2017 | C27017-001 | Radium -228 (4030) | 130) | 15262-20-1 | EPA Ra-05 | N/A | 9.0 | 0.2(±0.6) |
| 03/24/2017 | 04/18/2017 | C27017-001 | Gross Beta (4100) | (00 | 12587-47-2 | SM 7110 B | 50 pCi/l.* | 2.1 | 0.0(±2.0) |
| | | | Total Dissolved Solids (1930) | ls (1930) | | EPA 160.3 | N/A | | |
| *The MCL fo | r Gross Beta F | *The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern. | r. Since there is no simple α | onversion betwe | en mrem/year and pCi/L | 3PA considers | 50 pCi/L to b | e the level | f concern. |
| | | | Section V Calculated Values | alues | | | | | |
| | ~ | N/A | Gross Alpha Excluding Uranium (4000) | anium (4000) | Calculated Value | lue | 15 pCi/L | N/A | |
| | | | Combined Radium {-226 & -228} (4010) | (4010) | Calculated Value | lue | 5 pCi/L | N/A | |
| | | | | | | | | | ı |

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter

MCL: Maximum Contaminant Level pCi/L: Picocuries per Liter

| Report To Information | Bill To Information (If different from report to) | State Form / Project Information | |
|--|---|--------------------------------------|--|
| Company Name: Colorado Analytical Labs | Company Name: <u>same</u> | PWSID: C00121724 | |
| Contact Name: Stuart Nielson | Contact Name: | System Name: Sterling Ranch MD | |
| Address: P.O. Box 507 | Address: | System Address: 20 Boulder Crescent | |
| City: Brighton State: CO Zip: 80601 | City: State: Zip: | City: Colo Spgs State: CO Zip: 80903 | |
| Phone:303-659-2313 Fax:303-659-2315 | Phone: Fax: | County: El Paso | |
| Email: stuartnielson@coloradolab.com | Email: | Compliance Samples: Yes ⊠ No □ | |
| Sampler Name: | PO No.: | Send Forms to State: Yes No N | |
| | | | |

| | The second second |
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| Colorado A | |
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Brighton Lab
240 South Main Street
Brighton, CO 80601

Phone: 303-659-2313 Fax: 303-659-2315 Lakewood Lab
12860 W. Cedar Dr, Suite 101
Lakewood CO 80228

| Relinguished By: | > | Instructions:Gross Please print results | | | | | | 3/23/17 08:03 | Date Time | ARF | 170324007 | CAL Task No. |
|----------------------------|----------------|--|--|---|---|------|--|-----------------------------|----------------------------|-------------------------------------|-----------|---------------------------------|
| Dasc/ling: R 3/124/17 R | | Instructions: Gross Alpha, without Radon & Uranium. ** Combined Radium -226 & Please print results on Colorado State form but do not submit to CDPHE. Thank you. | | | | | | 170324007 Sterling Ranch MD | Client Sample ID / EP Code | | | |
| Received By: | | n. ** (| | _ | | | | 6 | No. o | f Containers | | |
| By: | : | Combi | | | | | | | | <u> </u> | | |
| | | Combined Radium -226 & -228 ait to CDPHE. Thank you. | | | , | | | | (mg/l | lua! Chlorine L) Samples Only | | |
| And the second second | | idium Thai | | | | | | | | l Coliform l | | |
| | | -226 nk yo | | | | | | | 504. | EDB/DBO | CP_ | |
| Date/ | | & -2 | | | | | | | 505 | Pests/PCBs | 3 | |
| Date/Time: | | 28. | | | | | | | 515.4 | 4 Herbicide | S | 品 |
| ** | | | | | | | | | 524. | 2 VOCs | | PHASE I, II, V Drinking |
| | Deli | C/S | | | | | | | 525. | 2 SOCs-Pes | t | Į, į |
| Reli | Delivered Via: | C/S Info: | | | | | | | 531. | 1 Carbamat | es | 7. |
| Relinquished By: | Via: | | | | | | | | 547 | Glyphosate | | Drie |
| shed | | | | | | | | | 548. | I Endothall | | Kin |
| By: | 4 | | | | | | | | 549. | 2 Diquat | | |
| | | | | | | | | | 524. | 2 TTHMs | | Water Analyses (check analysis) |
| | _ | | | | | | | | 552. | 2 HAA5s | | Ama |
| Dat | C/S Charge | | | | | | | | Lead | /Copper | | lyses |
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Analytical Results

TASK NO: 170324007

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water

20 Boulder Crescent St. Colorado Springs CO 80903

Task No.: 170324007

Client PO:

Client Project: Sterling Ranch MD C00121724

Date Received: 3/24/17

Date Reported: 4/21/17

Matrix: Water - Drinking

Customer Sample ID Sterling Ranch MD Sample Date/Time: 3/23/17

Lab Number: 170324007-01

Facility ID: New Well Sample Point ID: New Well

| Test | Result | Method | ML | Date Analyzed | Analyzed By |
|----------------------|-------------------|-----------|-------------------|---------------|-------------|
| | | | | | |
| Chloride | 1.3 mg/L | EPA 300.0 | 0.1 mg/L | 3/24/17 | LJG |
| Cyanide-Free | < 0.005 mg/L | EPA 335.4 | 0.005 mg/L | 3/28/17 | VDB |
| E-Coli | < 1 mpn/100ml | Colliert | 1 mpn/100ml | 3/25/17 | VDB |
| Sulfate | 10.7 mg/L | EPA 300.0 | 0.1 mg/L | 3/24/17 | LJG |
| Total Coliform | 68 mpn/100ml | Colifert | 1 mpn/100ml | 3/25/17 | VDB |
| Total Organic Carbon | < 0.5 mg/L | SM 5310-C | 0.5 mg/L | 3/28/17 | ISG |
| Turbidity | 1.08 NTU | SM 2130-B | 0.01 NTU | 3/24/17 | MBN |
| <u>Total</u> | | | | | |
| Aluminum | 0.032 mg/L | EPA 200.8 | 0.001 mg/L | 3/29/17 | TCD |
| Calcium | 1.0 mg/L | EPA 200.7 | 0.1 mg/L | 3/29/17 | MBN |
| Copper | < 0.0008 mg/L | EPA 200.8 | 0.0008 mg/L | 3/29/17 | TCD |
| iron | 0.180 mg/L | EPA 200.7 | 0.005 mg/L | 3/30/17 | MBN |
| Lead | 0.0002 mg/L | EPA 200.8 | 0.0001 mg/L | 3/29/17 | TCD |
| Magnesium | 0.06 mg/L | EPA 200.7 | 0.02 mg/L | 3/29/17 | MBN |
| Manganese | 0.0071 mg/L | EPA 200.8 | 0.0008 mg/L | 3/29/17 | TCD |
| Potassium | 1.0 mg/L | EPA 200.7 | 0.1 mg/L | 3/29/17 | MBN |
| Silver | < 0.0001 mg/L | EPA 200.8 | 0.0001 mg/L | 3/29/17 | TCD |
| Strontium | 0.009 mg/L | EPA 200.8 | 0.005 mg/L | 3/29/17 | TCD |
| Total Hardness | 2.7 mg/L as CaCO3 | SM 2340-B | 0.1 mg/L as CaCO3 | 3/30/17 | MBN |
| Uranium | < 0.0002 mg/L | EPA 200.8 | 0.0002 mg/L | 3/29/17 | TCD |
| Zinc | 0.002 mg/L | EPA 200.8 | 0.001 mg/L | 3/29/17 | TCD |

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L = Microgrems Per Liter or PPB mpn/100 m/s = Most Probable Number Index/ 100 m/s Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY



Analytical Results

TASK NO: 170324007

Report To: Mark Volle Company: JDS Hydro Consultants 545 E. Pikes Peak Ave Suite 300 Colorado Springs CO 80903

Bill To: Jim Morley Company: SR Water

20 Boulder Crescent St. Colorado Springs CO 80903

Task No.: 170324007

Client PO:

Client Project: Sterling Ranch MD C00121724

Date Received: 3/24/17 Date Reported: 4/21/17

Matrix: Water - Drinking

Customer Sample ID Sterling Ranch MD Sample Date/Time: 3/23/17

Lab Number: 170324007-01

Facility ID: New Well Sample Point ID: New Well

| Test | Result | Method | ML | Date Analyzed | Analyzed By |
|--------------|------------|-----------|------------|---------------|-------------|
| <u>Total</u> | | | | | |
| Zinc | 0.002 mg/L | EPA 200.8 | 0.001 mg/l | L 3/29/17 | TCD |

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L ≃ Micrograms Per Liter or PPB mpn/100 mls = Most Probable Number Index/ 100 mls Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY

page lot 2

Colorado Analytical

LABORATORIES, INC.

State Co Zip & CHOS 20 BOULDER CARSCRING STERVENCE RANCH HD Compliance Samples: Yes K No Send Forms to State: Yes | No 2 State Form / Project Information PWSID: CO O(21724 System Name: County: El Paso Cily 60.05 Address: DOWNER CRESCEN Email: MV5/ka (Jshuda Com Email: inorley 38 to Dad . com City APPRAICS State Cozzp 80905 Bill To Information (if different from report to) Controt Name: STM MORLEY Company Name: J DS-Hydro CeryStillands Company Name: SR WATER Sampler Name: Stechante Schwenke PONO. Phone: Address & Piles Pail Ave San (2021) 809/03 Contact Name: Mark Urlle Suite 300 Phone: 119-337-0074 Report To Information 5 City

Lakewood Lab 12860 W. Cedar Dr, Suite 100A

www.coloradolab.com

Phone: 303-659-2313 Lakewood CO 80228

Fax: 303-659-2315

Brighton Lab 240 South Main Street

Brighton, CO 80601

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Page 3 of 4

Sample Pres. Yes XIINo Date/Timé:

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C/S Charge Date/Time:

With the bottle shipment. Please preserve Diquot
Sample #8 as soon as you receive this shipment, belivered via: Fed Ex
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3-23 11.30m 50ice (Mulban 3/24/171010

page 2002

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Colorado Analytical ABORATORIES, INC. Brighton Lab 240 South Main Street Brighton, CO 80601

12860 W. Cedar Dr, Suite 100A Lakewood CO 80228 Lakewood Lab

Phone: 303-659-2313 Fax: 303-659-2315

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| CAL Task No. | 170324007 | ₹ | 9 | 2 | | 1 | | | | | | 1 | | Instructions: | | Relinquished By |
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| - | | Page 4 o | 14 | | | | • | • | - | <u></u> | 1 | - 1 | | | | \/ \ / |

Billings, MT 800.735.4489 • Casper, WY 888.235.051 Gillette, WY 866.686.7175 • Helena, MT 877.472.071

ANALYTICAL SUMMARY REPORT

April 06, 2017

Colorado Analytical Laboratories Inc PO Drawer 507 Brighton, CO 80601

Work Order:

C17030850

Quote ID: C4542 - 624, 625, 1,4-Dioxane

Project Name:

170324007 Sterling Ranch MD

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 3/28/2017 for analysis.

| Lab ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|--------------------------------|---------------|--------------|-------------|---|
| C17030850-001 | 170324007 Sterling Ranch MD | 03/23/17 8:03 | 03/28/17 | Groundwater | Azeotropic Distilation Separatory Funnel Liquid-Liquid Ext Semi-Volatile Organic Compounds 624-Purgeable Organics Volatile Compounds by Azeotropic Distillation |

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Digitally signed by Randy Horton

Date: 2017.04.06 16:31:29 -06:00

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 886.686.7175 • Helena, MT 677.472.0711

CLIENT: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Work Order: C17030850

Report Date: 04/06/17

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.





LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170324007 Sterling Ranch MD

Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

| Analyses | Result | Units | Qualifiers | RL | MCL/ | Method | Analysis Date / By |
|--|--------|-------|------------|----------|------------|-------------------|----------------------------|
| VOCS BY AZEOTROPIC DISTILLATIO | N | | | | | | |
| 1,4-Dioxane | ND | ug/L | | 1.0 | | SW8260M | 04/06/17 09:34 / eli-b |
| Analysis by direct aqueous injection of the sar quantitate the 1,4-Dioxane and account for any | | | | xane was | added to t | he sample prior t | o distillation and used to |
| VOLATILE ORGANIC COMPOUNDS | | | | | | | |
| Acetone | ND | ug/L | | 20 | | E624 | 03/31/17 16:09 / eli-b |
| Acetonitrile | ND | ug/L | | 20 | | E624 | 03/31/17 16:09 / eli-b |
| Acrolein | ND | ug/L | | 20 | | E624 | 03/31/17 16:09 / eli-b |
| Acrylonitrile | ND | ug/L | | 20 | | E624 | 03/31/17 16:09 / ell-b |
| Benzene | ND | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Bromobenzene | ND | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Bromochioromethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / e[l-b |
| Bromodichloromethane | ND | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Bromoform | ND | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Bromomethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Carbon disulfide | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Carbon tetrachloride | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Chlorobenzene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Chlorodibromomethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Chloroethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eil-b |
| 2-Chloroethyl vinyl ether | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Chloroform | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Chloromethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 2-Chlorotoluene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 4-Chlorotoluene | ND I | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,2-Dibromoethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Dibromomethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / ell-b |
| 1,2-Dichlorobenzene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,3-Dichlorobenzene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,4-Dichlorobenzene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / ell-b |
| Dichlorodifiuoromethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,1-Dichloroethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,2-Dichloroethane | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,1-Dichloroethene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| cis-1,2-Dichioroethene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| trans-1,2-Dichloroethene | | ug/L | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,2-Dichloropropane | ND I | _ | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 1,3-Dichloropropane | ND t | | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| 2,2-Dichloropropane | ND I | - | | 1.0 | | E624 | 03/31/17 16:09 / ell-b |
| 1,1-Dichloropropene | ND (| - | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| cis-1,3-Dichloropropene | ND (| • | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| trans-1,3-Dichioropropene | ND U | | | 1.0 | | E624 | 03/31/17 16:09 / eli-b |
| Ethylbenzene | ND t | - | | 1.0 | | E624 | 03/31/17 16:09 / ell-b |

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project: Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

| Analyses | Result | Unife | Qualifiers | RL | MCL/ QCL Method | Analysis Date / By |
|--------------------------------|--------|--------|-------------|--------|--------------------|---------------------------|
| reserya-co | Neant | OFFICE | QUEIN (C) 3 | N. | WOL MENIOR | Aridiyala Date / Dy |
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | ug/L | | 2.0 | E624 | 03/31/17 16:09 / eli-b |
| Methyl ethyl ketone | ND | ug/L | | 20 | E624 | 03/31/17 16:09 / eli-b |
| Methyl isobutyl ketone | ND | ug/L | | 10 | E624 | 03/31/17 16:09 / eli-b |
| Methylene chloride | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / ell-b |
| Naphthalene | ND | ug/L | | 0.50 | E624 | 03/31/17 16:09 / eli-b |
| Styrene | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Tetrachloroethene | | ug/L | | 1.0 | E624 | 03/31/17 16:09 / ell-b |
| 1,1,1,2-Tetrachloroethane | ND | - | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| 1,1,2,2-Tetrachloroethane | ND | _ | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Toluene | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Trichloroethene | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| 1,1,1-Trichloroethane | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| 1,1,2-Trichloroethane | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Trichlorofluoromethane | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| 1,2,3-Trichloropropane | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Vinyl Acetate | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| √inyl chloride | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| n+p-Xylenes | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| >-Xylene | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Kylenes, Total | ND | ug/L | | 1.0 | E624 | 03/31/17 16:09 / eli-b |
| Surr: 1,2-Dichloroethane-d4 | | %REC | | 71-139 | E624 | 03/31/17 16:09 / eli-b |
| Surr: p-Bromofluorobenzene | | %REC | | 80-127 | E624 | 03/31/17 16:09 / eli-b |
| Surr: Toluene-d8 | | %REC | | 80-123 | E624 | 03/31/17 16:09 / eli-b |
| | | 70:42 | | 00-120 | LUZT | U-119 1 60.04 1 11 101000 |
| SEMI-VOLATILE ORGANIC COMPOU | | | | | | |
| Acenaphthene | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Acenaphthylene | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Anthracene | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Azobenzene | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Benzidine | ND | цg/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Benzo(a)anthracene | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Benzo(a)pyrene | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Benzo(b)fluoranthene | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| Benzo(g,h,i)perylene | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / elí-b |
| Benzo(k)fluoranthene | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| -Bromophenyl phenyl ether | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| sutylbenzylphthalate | ΝD | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| -Chloro-3-methyiphenoi | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| is(-2-chloroethoxy)Methane | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| is(-2-chloroethyl)Ether | ND | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| ois(2-chloroisopropyl)Ether | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| -Chloronaphthalene | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |
| 2-Chlorophenol | | ug/L | | 10 | E625 | 03/30/17 17:14 / eli-b |

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control (imit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170324007 Sterling Ranch MD

Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---------------------------------------|--------|--------------|------------|--------|-------------|--------|------------------------|
| · · · · · · · · · · · · · · · · · · · | | | | | | | |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | | 40 | | E005 | 00/00/47 47/44 / -// 5 |
| 4-Chlorophenyl phenyl ether | | ug/L | | 10 | | E625 | 03/30/17 17:14 / ell-b |
| Chrysene | ND | - | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Diethyl phthalate | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Di-n-butyl phthalate | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 1,2-Dichlorobenzene | ND | • | | 10 | | E625 | 03/30/17 17:14 / ell-b |
| 1,3-Dichlorobenzene | ND | _ | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 1,4-Dichlorobenzene | ND | • | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 3,3'-Dichlorobenzidine | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 2,4-Dichlorophenol | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Dimethyl phthalate | ND | • | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Di-n-octyl phthalate | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / ell-b |
| Dibenzo(a,h)anthracene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 2,4-Dimethylphenol | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 4,6-Dinitro-2-methylphenol | ND | ug/L | | 50 | | E625 | 03/30/17 17:14 / eli-b |
| 2,4-Dinitrophenol | ND | ug/L | | 50 | | E625 | 03/30/17 17:14 / ell-b |
| 2,4-Dinitrotoluene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 2,6-Dinitrotoluene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| ois(2-ethylhexyl)Phthalate | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Fluoranthene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / ell-b |
| Fluorene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| -lexachlorobenzene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / elî-b |
| -lexachlorobutadiene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Hexachlorocyclopentadiene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| -lexachioroethane | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Indeno(1,2,3-cd)pyrene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| sophorone | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| n-Nitrosodimethylamine | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / ell-b |
| n-Nitroso-di-n-propytamine | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| n-Nitrosodiphenylamine | ND | _ | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 2-Nitrophenol | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 4-Nitrophenol | ND | ug/L | | 50 | | E625 | 03/30/17 17:14 / eli-b |
| Naphthalene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Nitrobenzene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Pentachiorophenoi | ND | ug/L | | 50 | | E625 | 03/30/17 17:14 / eli-b |
| Phenanthrene | ND | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Phenoi | | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| Pyrene | | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 1.2.4-Trichiorobenzene | | ug/L | | 10 | | E625 | 03/30/17 17:14 / eli-b |
| 2,4,6-Trichlorophenol | | ug/L ug/L | | 10 | | E625 | 03/30/17 17:14 / ell-b |
| Surr: 2-Fluorobiphenyl | | %REC | | 28-107 | | E625 | 03/30/17 17:14 / eli-b |
| Surr: 2-Fluorophenol | | %REC | | 20-56 | | E625 | 03/30/17 17:14 / eli-b |
| Surr: Nitrobenzene-d5 | | %REC | | 32-94 | | E625 | 03/30/17 17:14 / ell-b |
| | | | | | | | |
| Surr: Phenol-d5 | 27.0 | %REC | | 19-45 | | E625 | 03/30/17 17:14 / eli-b |

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170324007 Sterling Ranch MD

Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

| Analyses | Result Units | Qualifiers RL | MCL/ QCL Method | Analysis Date / By |
|----------------------------|--------------|---------------|--------------------|------------------------|
| SEMI-VOLATILE ORGANIC COMP | OUNDS | | | |
| Surr: Terphenyl-d14 | 70.0 %REC | 32-122 | E625 | 03/30/17 17:14 / ell-b |
| Surr: 2,4,6-Tribromophenol | 68.0 %REC | 21-130 | E625 | 03/30/17 17:14 / eli-b |

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------|---------------|---------------|------------------|------|-----------|------------|-----|---------------|------------|
| Method: E624 | | | | | | | An | alytical Run: | R27728 |
| Lab ID: ccv033117 | Continuing Ca | dibration Ver | ification Standa | ard | | | | 03/31 | 1/17 08:45 |
| Acetone | 58.0 | ug/L | 20 | 116 | 70 | 130 | | | |
| Acetonitrile | 56.4 | ug/L | 20 | 113 | 70 | 130 | | | |
| Acrolein | 56.4 | ug/L | 20 | 113 | 70 | 130 | | | |
| Acrylonitrile | 49.6 | ug/L | 20 | 99 | 70 | 130 | | | |
| Benzene | 5.08 | ug/L | 0.50 | 102 | 70 | 130 | | | |
| Bromobenzene | 5.04 | ug/L | 0.50 | 101 | 70 | 130 | | | |
| Bromochioromethane | 5.36 | ug/L | 0.50 | 107 | 70 | 130 | | | |
| Bromodichloromethane | 4.92 | ug/L | 0,50 | 98 | 70 | 130 | | | |
| Bromoform | 5.04 | ug/L | 0.50 | 101 | 70 | 130 | | | |
| Bromomethane | 4,28 | ug/L | 0.50 | 86 | 70 | 130 | | | |
| Carbon disulfide | 5.32 | ug/L | 0.50 | 106 | 70 | 130 | | | |
| Carbon tetrachloride | 5.80 | ug/L | 0.50 | 116 | 70 | 130 | | | |
| Chlorobenzene | 4.56 | ug/L | 0.50 | 91 | 70 | 130 | | | |
| Chlorodibromomethane | 5.04 | ug/L | 0.50 | 101 | 70 | 130 | | | |
| Chloroethane | 4.80 | ug/L | 0,50 | 96 | 70 | 130 | | | |
| 2-Chloroethyl vinyl ether | 2.90 | ug/L | 1.0 | 58 | 70 | 130 | | | s |
| Chloroform | 5.60 | ug/L | 0.50 | 112 | 70 | 130 | | | |
| Chloromethane | 3.82 | ug/L | 0.50 | 76 | 70 | 130 | | | |
| 2-Chlorotoluene | 5.00 | ug/L | 0.50 | 100 | 70 | 130 | | | |
| 4-Chlorotoluene | 5.44 | ug/L | 0.50 | 109 | 70 | 130 | | | |
| 1,2-Dibromoethane | 4.68 | ug/L | 0.50 | 94 | 70 | 130 | | | |
| Dibromomethane | 4.96 | ug/L | 0.50 | 99 | 70 | 130 | | | |
| 1,2-Dichlorobenzene | 5.04 | ug/L | 0.50 | 101 | 70 | 130 | | | |
| 1,3-Dichiorobenzene | 5.16 | ug/L | 0.50 | 103 | 70 | 130 | | | |
| 1,4-Dichlorobenzene | 5.00 | ug/L | 0.50 | 100 | 70 | 130 | | | |
| Dichlorodifluoromethane | 5.20 | ug/L | 0.50 | 104 | 70 | 130 | | | |
| 1,1-Dichloroethane | 4.96 | ug/L | 0.50 | 99 | 70 | 130 | | | |
| 1,2-Dichloroethane | 6.24 | ug/L | 0.50 | 125 | 70 | 130 | | | |
| 1.1-Dichloroethene | 5.12 | ug/L | 0.50 | 102 | 70 | 130 | | | |
| cis-1,2-Dichloroethene | 4.76 | ug/L | 0.50 | 95 | 70 | 130 | | | |
| trans-1,2-Dichloroethene | 5.00 | ug/L | 0.50 | 100 | 70 | 130 | | | |
| 1,2-Dichloropropane | 4.88 | ug/L | 0.50 | 98 | 70 | 130 | | | |
| 1,3-Dichioropropane | 4.88 | ug/L | 0.50 | 98 | 70 | 130 | | | |
| 2,2-Dichloropropane | 5.72 | ug/L | 0.50 | 114 | 70 | 130 | | | |
| 1,1-Dichloropropene | 5.44 | ug/L | 0.50 | 109 | 70 | 130 | | | |
| cls-1,3-Dichloropropene | 4.80 | ug/L | 0.50 | 96 | 70 | 130 | | | |
| trans-1,3-Dichloropropene | 4.84 | ug/L | 0.50 | 97 | 70 | 130 | | | |
| Ethylbenzene | 4.88 | ug/L | 0.50 | 98 | 70 | 130 | | | |
| Methyl tert-butyl ether (MTBE) | 5.20 | ug/L | 0.50 | 104 | 70 | 130 | | | |
| Methyl ethyl ketone | 54.0 | ug/L | 20 | 108 | 70 | 130 | | | |
| Methyl isobutyl ketone | 50.4 | ug/L | 20 | 101 | 70 | 130 | | | |
| Methylene chloride | 5.88 | ug/L | 0.50 | 118 | 70 | 130 | | | |
| Naphthalene | 5.08 | ug/L | 0.50 | 102 | 70 | 130 | | | |
| nahinggene | 5.00 | սկ/ւ | 0.50 | 102 | , 0 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17 Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD RPDLimit Qua |
|--|------------------|------------------|---------------|------|------------|-------------|-----------------------|
| Method: E624 | | | | | | | Analytical Run: R2772 |
| Lab ID: ccv033117 | Continuing Ca | dibration Verifi | cation Standa | ard | | | 03/31/17 08 |
| Styrene | 4.52 | ug/L | 0.50 | 90 | 70 | 130 | |
| Tetrachloroethene | 4.68 | ug/L | 0.50 | 94 | 70 | 130 | |
| 1,1,1,2-Tetrachioroethane | 4.72 | ug/L | 0.50 | 94 | 70 | 130 | |
| 1,1,2,2-Tetrachloroethane | 4.96 | ug/L | 0.50 | 99 | 70 | 130 | |
| Toluene | 4.76 | ug/L | 0.50 | 95 | 70 | 130 | |
| Trichlorcethene | 4.92 | ug/L | 0.50 | 98 | 70 | 130 | |
| 1,1,1-Trichioroethane | 5.72 | ug/L | 0.50 | 114 | 70 | 130 | |
| 1,1,2-Trichloroethane | 4.72 | ug/L | 0.50 | 94 | 70 | 130 | |
| Trichiorofluoromethane | 4.88 | ug/L | 0.50 | 98 | 70 | 130 | |
| 1,2,3-Trichloropropane | 5.2 4 | ug/L | 0.50 | 105 | 70 | 130 | |
| Vinyl Acetate | 5.32 | ug/L | 1.0 | 106 | 70 | 130 | |
| Vinyl chloride | 4.60 | ug/L | 0.50 | 92 | 70 | 130 | |
| m+p-Xylenes | 9.32 | ug/L | 0.50 | 93 | 70 | 130 | |
| o-Xylene | 4.52 | ug/L | 0.50 | 90 | 70 | 130 | |
| Xylenes, Total | 13.8 | ug/L | 0.50 | 92 | 70 | 130 | |
| Surr: 1,2-Dichloroethane-d4 | | | 0.50 | 107 | 71 | 139 | |
| Surr: p-Bromofluorobenzene | | | 0.50 | 102 | 80 | 127 | |
| Surr: Toluene-d8 | | | 0.50 | 91 | 80 | 123 | |
| | | | | | | | |
| Method: E624 | | | | | | | Batch: R2772 |
| Lab ID: | Laboratory Co | • | | | Run: 5971/ | A.I_170331A | 03/31/17 09 |
| Acetone | 56.0 | ug/L | 20 | 112 | 55 | 144 | |
| Acetonitrite | 56.8 | ug/L | 20 | 114 | 54 | 142 | |
| Acrolein | 42.4 | ug/L | 20 | 85 | 16 | 233 | |
| Acrylonitrile | 48.4 | ug/L | 20 | 97 | 76 | 127 | |
| Benzene | 4.92 | ug/L | 0.50 | 98 | 73 | 122 | |
| Bromobenzene | 4.96 | ug/L | 0.50 | 99 | 74 | 129 | |
| Bromochioromethane | 5.16 | ug/L | 0.50 | 103 | 66 | 120 | |
| Bromodichioromethane | 5.16 | ug/L | 0.50 | 103 | 74 | 128 | |
| Bromoform | 5.12 | ug/L | 0.50 | 102 | 66 | 128 | |
| Bromomethane | 4.76 | ug/L | 0.50 | 95 | 51 | 123 | |
| Carbon disulfide | 5.36 | ug/L | 0.50 | 107 | 46 | 145 | |
| Carbon tetrachloride | 5.72 | ug/L | 0.50 | 114 | 75 | 125 | |
| Chiorobenzene | 4.64 | ug/L | 0,50 | 93 | 80 | 123 | |
| Chiorodibromomethane | 5.32 | ug/L | 0.50 | 106 | 74 | 125 | |
| Chloroethane | 4.48 | ug/L | 0.50 | 90 | 59 | 142 | |
| 2-Chloroethyl vinyl ether | 2.62 | u g /L | 1.0 | 52 | 36 | 144 | |
| 2-Chickeniyi viriyi edilet | 5.52 | ug/L | 0.50 | 110 | 68 | 124 | |
| Chloroform | | | 0.50 | 75 | 53 | 146 | |
| - | 3.77 | ug/L | 0.50 | | | | |
| Chloroform | | ug/L ug/L | 0.50 | 102 | 75 | 131 | |
| Chloroform Chloromethane | 3.77 | | | | | | |
| Chloroform Chloromethane 2-Chlorotofuene | 3.77 5.08 | ug/L | 0.50 | 102 | 75 | 131 | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Analyte | Result U | nits RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------|----------------------|----------------------|------|-----------|-------------|-----|----------|-----------|
| Method: E624 | | | | | | | Batch: | R27728 |
| Lab ID: | Laboratory Contro | l Sample | | Run: 5971 | A.I_170331A | | 03/31 | /17 09:19 |
| 1,2-Dichlorobenzene | 4.96 ug | g/L 0.50 | 99 | 74 | 124 | | | |
| 1,3-Dichlorobenzene | 5.12 นรู | g/L 0.50 | 102 | 77 | 122 | | | |
| 1,4-Dichlorobenzene | | g/L 0.50 | 99 | 76 | 126 | | | |
| Dichlorodifluoromethane | 5.60 ц | g/L 0.50 | 112 | 56 | 146 | | | |
| 1,1-Dichloroethane | 4.72 นรู | g/L 0.50 | 94 | 74 | 133 | | | |
| 1,2-Dichloroethane | 5.76 นรู | g/L 0.50 | 115 | 75 | 129 | | | |
| 1,1-Dichloroethene | 5.16 սչ | g/L 0.50 | 103 | 74 | 132 | | | |
| cis-1,2-Dichloroethene | 4.88 uç | g/L 0.50 | 98 | 81 | 122 | | | |
| trans-1,2-Dichloroethene | 5.12 սջ | g/L 0.50 | 102 | 79 | 143 | | | |
| 1,2-Dichloropropane | 4.60 სე | g/L 0.50 | 92 | 75 | 126 | | | |
| 1,3-Dichioropropane | 4.68 Ա | g/L 0.50 | 94 | 71 | 136 | | | |
| 2,2-Dichloropropane | 5.68 სვ | g/L 0.50 | 114 | 68 | 142 | | | |
| 1,1-Dichloropropene | 5.00 นรู | J/L 0.50 | 100 | 70 | 131 | | | |
| cis-1,3-Dichloropropene | 4.40 ug | g/L 0.50 | 88 | 74 | 135 | | | |
| trans-1,3-Dichloropropene | 4.84 ug | ₃ /L 0.50 | 97 | 76 | 149 | | | |
| Ethylbenzene | 4.96 ug | g/L 0.50 | 99 | 72 | 130 | | | |
| Methyl tert-butyl ether (MTBE) | 5.12 ևն | 3/L 0.50 | 102 | 72 | 120 | | | |
| Methyl ethyl ketone | 52.0 ug | J/L 20 | 104 | 45 | 130 | | | |
| Methyl isobutyl ketone | 50.8 ug | J/L 20 | 102 | 58 | 135 | | | |
| Methylene chloride | 6.08 นรู | ı/L 0.50 | 122 | 66 | 142 | | | |
| Naphthaiene | 5.60 นฐ | ı/L 0.50 | 112 | 69 | 124 | | | |
| Styrene | 4. 5 6 ug | ı/L 0.50 | 91 | 80 | 124 | | | |
| Tetrachloroethene | 4.72 ug | /L 0.50 | 94 | 72 | 131 | | | |
| 1,1,1,2-Tetrachloroethane | 4.64 ug | /L 0.50 | 93 | 78 | 124 | | | |
| 1,1,2,2-Tetrachloroethane | 4.76 ug | /L 0.50 | 95 | 68 | 137 | | | |
| Toluene | 4,76 ug | /L 0.50 | 95 | 72 | 135 | | | |
| Trichloroethene | 4.80 ug | /L 0.50 | 96 | 85 | 126 | | | |
| 1,1,1-Trichloroethane | 5.40 ug | | 108 | 63 | 120 | | | |
| 1,1,2-Trichloroethane | 4.48 ug | | 90 | 78 | 124 | | | |
| Trichlorofluoromethane | 4.52 ug | | 90 | 72 | 120 | | | |
| 1,2,3-Trichloropropane | 4.68 ug | | 94 | 64 | 138 | | | |
| Vinyl Acetate | 4.76 ug | | 95 | 31 | 124 | | | |
| Vinyi chloride | 4.76 ug | | 95 | 58 | 140 | | | |
| m+p-Xyienes | 9.08 ug | | 91 | 67 | 139 | | | |
| o-Xylene | 4.48 ug | | 90 | 74 | 135 | | | |
| • | | | | | | | | |

0.50

0.50

0.50

0.50

20

20

90

109

102

92

13.6

Method Blank

ND

ND

ug/L

ug/L

ug/L

Qualifiers:

Acetonitrile

Lab ID:

Acetone

Xylenes, Total

Surr: Toluene-d8

RL - Analyte reporting limit.

Surr: 1,2-Dichloroethane-d4

Surr: p-Bromofluorobenzene

blk033117

ND - Not detected at the reporting limit.

70

71

80

80

Run: 5971A.i_170331A

137

139

127

123

03/31/17 10:18

Prepared by Billings, MT Branch

Colorado Analytical Laboratories Inc Client:

Work Order: C17030850

Report Date: 04/06/17 Project: 170324007 Sterling Ranch MD

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Quai |
|---------------|--------------------|--------------|-------------|------|------|-----------|-------------|-----|----------|-----------|
| Method: | E624 | | | | | | | | Batch: | R277281 |
| Lab ID: | blk033117 | Method Blank | | | | Run: 5971 | A.I_170331A | | 03/31 | /17 10:18 |
| Acrolein | | ND | ug/L | 20 | | | _ | | | |
| Acrylonitrile | } | ND | ug/L | 20 | | | | | | |
| Benzene | | ND | ug/L | 0.50 | | | | | | |
| Bromobenz | ene | ND | ug/L | 0.50 | | | | | | |
| Bromochlor | romethane | ND | ug/L | 0.50 | | | | | | |
| Bromodichl | oromethane | ND | ug/L | 0.50 | | | | | | |
| Bromoform | | ND | ug/L | 0.50 | | | | | | |
| Bromometh | nane | ND | ug/L | 0.50 | | | | | | |
| Carbon disu | ulfide | ND | ug/L | 0.50 | | | | | | |
| Carbon tetra | achloride | ND | ug/L | 0.50 | | | | | | |
| Chlorobenz | ene | ND | ug/L | 0.50 | | | | | | |
| Chlorodibro | momethane | ND | ug/L | 0.50 | | | | | | |
| Chloroethar | ne | ND | ug/L | 0.50 | | | | | | |
| 2-Chloroeth | ıyl vinyl ether | ND | ug/L | 1.0 | | | | | | |
| Chloroform | | ND | ug/L | 0.50 | | | | | | |
| Chlorometh | ane | ND | ug/L | 0.50 | | | | | | |
| 2-Chiorotolu | iene | ND | ug/L | 0.50 | | | | | | |
| 4-Chiorotolu | iene | ND | ug/L | 0.50 | | | | | | |
| 1,2-Dibromo | pethane | ND | ug/L | 0.50 | | | | | | |
| Dibromome | thane | ND | ug/L | 0.50 | | | | | | |
| 1,2-Dichlord | benzene | ND | ug/L | 0.50 | | | | | | |
| 1,3-Dichloro | benzene | ND | ug/L | 0.50 | | | | | | |
| 1,4-Dichloro | | ND | ug/L | 0.50 | | | | | | |
| Dichlorodific | uoromethane | ND | ug/L | 0.50 | | | | | | |
| 1,1-Dichloro | pethane | ND | ug/L | 0.50 | | | | | | |
| 1,2-Dichloro | ethane | ND | ug/L | 0.50 | | | | | | |
| 1,1-Dichloro | pethene | ND | ug/L | 0.50 | | | | | | |
| cis-1,2-Dich | loroethene | ND | ug/L | 0.50 | | | | | | |
| trans-1,2-Di | ichloroethene | ND | ug/L | 0.50 | | | | | | |
| 1,2-Dichloro | | ND | ug/L | 0.50 | | | | | | |
| 1,3-Dichloro | | ND | ug/L | 0.50 | | | | | | |
| 2,2-Dichloro | | ND | ug/L | 0.50 | | | | | | |
| 1,1-Dichloro | | ND | ug/L | 0.50 | | | | | | |
| | loropropene | ND | ug/L | 0.50 | | | | | | |
| | chloropropene | ND | ug/L | 0.50 | | | | | | |
| Ethylbenzer | | ND | ug/L | 0.50 | | | | | | |
| - | outyl ether (MTBE) | ND | ug/L | 0.50 | | | | | | |
| Methyl ethyl | - ' ' | ND | ug/L | 20 | | | | | | |
| Methyl isobu | | ND | ug/L | 20 | | | | | | |
| Methylene o | • | ND | ug/L | 0.50 | | | | | | |
| Naphthalen | | ND | ug/L | 0.50 | | | | | | |
| Styrene | | ND | ug/L | 0.50 | | | | | | |
| Tetrachloroe | ethene | ND | ug/L | 0.50 | | | | | | |
| | | .,_ | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------------|---------------|-------|------|------|------------|-------------|-----|----------|-----------|
| Method: E624 | | | | | | | | Batch: | R277281 |
| Lab ID: blk033117 | Method Blank | | | | Run: 5971/ | A.I_170331A | | 03/31 | /17 10:18 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.50 | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.50 | | | | | | |
| Toluene | ND | ug/L | 0.50 | | | | | | |
| Trichloroethene | ND | ug/L | 0.50 | | | | | | |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | | | | | | |
| 1,1,2-Trichloroethane | ND | ug/L | 0.50 | | | | | | |
| Trichlorofiuoromethane | ND | ug/L | 0.50 | | | | | | |
| 1,2,3-Trichloropropane | ND | ug/L | 0.50 | | | | | | |
| Vinyl Acetate | ND | ug/L | 1.0 | | | | | | |
| Vinyl chloride | ND | ug/L | 0.50 | | | | | | |
| m+p-Xylenes | ND | ug/L | 0.50 | | | | | | |
| o-Xylene | ND | ug/L | 0.50 | | | | | | |
| Xylenes, Total | ND | ug/L | 0.50 | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | -9 | 0.50 | 105 | 71 | 139 | | | |
| Surr: p-Bromofluorobenzene | | | 0.50 | 104 | 80 | 127 | | | |
| Surr: Toluene-d8 | | | 0.50 | 92 | 80 | 123 | | | |
| Lab ID: b17031875-001dms | Sample Matrix | Spike | | | Run: 5971/ | A.I_170331A | | 03/31 | /17 14:12 |
| Acetone | 378 | ug/L | 100 | 109 | 55 | 144 | | | |
| Acetonitrile | 274 | ug/L | 100 | 110 | 54 | 142 | | | |
| Benzene | 24.6 | ug/L | 2.5 | 98 | 73 | 122 | | | |
| Bromobenzene | 24.8 | ug/L | 2.5 | 99 | 74 | 129 | | | |
| Bromochloromethane | 25.2 | ug/L | 2.5 | 101 | 66 | 120 | | | |
| Bromodichloromethane | 26.2 | ug/L | 2.5 | 105 | 74 | 128 | | | |
| Bromoform | 27.0 | ug/L | 2.5 | 108 | 66 | 128 | | | |
| 3romomethane | 18.8 | ug/L | 2.5 | 75 | 51 | 123 | | | |
| Carbon disulfide | 26.4 | ug/L | 2.5 | 106 | 46 | 145 | | | |
| Carbon tetrachloride | 28.2 | ug/L | 2,5 | 113 | 75 | 125 | | | |
| Chlorobenzene | 22.8 | ug/L | 2.5 | 91 | 80 | 123 | | | |
| Chlorodibromomethane | 26.8 | ug/L | 2.5 | 107 | 74 | 125 | | | |
| Chloroethane | 20.2 | ug/L | 2.5 | 81 | 59 | 142 | | | |
| Chioroform | 33.2 | ug/L | 2.5 | 110 | 68 | 124 | | | |
| Chioromethane | 18.6 | ug/L | 2.5 | 74 | 53 | 146 | | | |
| 2-Chlorotoluene | 24.8 | ug/L | 2.5 | 99 | 75 | 131 | | | |
| 4-Chlorotoluene | 25.8 | ug/L | 2.5 | 103 | 74 | 129 | | | |
| 1,2-Dibromoethane | 24.0 | ug/L | 2.5 | 96 | 76 | 124 | | | |
| Dibromomethane | 26.2 | ug/L | 2.5 | 105 | 77 | 125 | | | |
| 1,2-Dichlorobenzene | 24.6 | ug/L | 2.5 | 98 | 74 | 124 | | | |
| 1,3-Dichlorobenzene | 24.6 | ug/L | 2.5 | 98 | 77 | 122 | | | |
| 1,4-Dichlorobenzene | 24.6 | ug/L | 2.5 | 98 | 76 | 126 | | | |
| Dichlorodifiuoromethane | 27.0 | ug/L | 2.5 | 108 | 56 | 146 | | | |
| 1,1-Dichloroethane | 24.2 | ug/L | 2.5 | 97 | 74 | 133 | | | |
| 1,2-Dichloroethane | 29.2 | ug/L | 2.5 | 117 | 75 | 129 | | | |

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Method: E624 Lab ID: b17031875-001dms Samp 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene cis-1,3-Dichloropropene | 26.6 24.4 25.8 23.0 22.4 28.0 25.2 22.2 | Spike ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 2.5 2.5 2.5 2.5 2.5 2.5 | 106 98 103 92 | 74 81 79 | A.I_170331A 132 122 143 | | | R277281 /17 14:12 |
|--|--|---|--|------------------------|----------------|----------------------------------|-----|--------|----------------------|
| 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene | 26.6 24.4 25.8 23.0 22.4 28.0 25.2 22.2 | ug/L ug/L ug/L ug/L ug/L ug/L | 2.5 2.5 2.5 2.5 | 98 103 92 | 74 81 79 | 132 122 | | 03/31 | /17 14:12 |
| cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene | 24.4 25.8 23.0 22.4 28.0 25.2 22.2 | ug/L ug/L ug/L ug/L ug/L | 2.5 2.5 2.5 2.5 | 98 103 92 | 81 79 | 122 | | | |
| trans-1,2-Dichloroethene 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene | 25.8 23.0 22.4 28.0 25.2 22.2 | ug/L ug/L ug/L ug/L | 2.5 2.5 2.5 | 103 92 | 79 | | | | |
| 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene | 23.0 22.4 28.0 25.2 22.2 | ug/L ug/L ug/L | 2.5 2.5 | 92 | | 143 | | | |
| 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene | 22.4 28.0 25.2 22.2 | ug/L ug/L | 2.5 | | 75 | | | | |
| 2,2-Dichloropropane 1,1-Dichloropropene | 28.0 25.2 22.2 | ug/L | | | 75 | 126 | | | |
| 1,1-Dichioropropene | 25.2 22.2 | _ | 2.5 | 90 | 71 | 136 | | | |
| | 22.2 | ug/L | | 112 | 68 | 142 | | | |
| cis-1,3-Dichloropropene | | | 2.5 | 101 | 70 | 131 | | | |
| | | ug/L | 2.5 | 89 | 74 | 135 | | | |
| trans-1,3-Dichloropropene | 24.6 | ug/L | 2.5 | 98 | 76 | 149 | | | |
| Ethylbenzene | 23.6 | ug/L | 2.5 | 94 | 72 | 130 | | | |
| Methyl tert-butyl ether (MTBE) | 25.6 | u g /L | 2.5 | 102 | 72 | 120 | | | |
| Methyl ethyl ketone | 268 | ug/L | 100 | 107 | 45 | 130 | | | |
| Methyl isobutyl ketone | 258 | ug/L | 100 | 103 | 58 | 135 | | | |
| Methylene chloride | 32.2 | ug/L | 2.5 | 129 | 66 | 142 | | | |
| Naphthalene | 27.6 | u g /L | 2.5 | 110 | 69 | 124 | | | |
| Styrene | 22.4 | ug/L | 2.5 | 90 | 80 | 124 | | | |
| Tetrachioroethene | 22.8 | ug/L | 2.5 | 91 | 72 | 131 | | | |
| 1,1,1,2-Tetrachloroethane | 23.0 | ug/L | 2.5 | 92 | 78 | 124 | | | |
| 1,1,2,2-Tetrachioroethane | 26.0 | ug/L | 2.5 | 104 | 68 | 137 | | | |
| Toluene | 24.4 | ug/L | 2.5 | 95 | 72 | 135 | | | |
| Trichloroethene | 23.8 | ug/L | 2.5 | 95 | 85 | 126 | | | |
| 1,1,1-Trichloroethane | 26.8 | ug/L | 2.5 | 107 | 63 | 120 | | | |
| 1,1,2-Trichloroethane | 23.4 | ug/L | 2.5 | 94 | 78 | 124 | | | |
| Trichlorofluoromethane | 21.2 | ug/L | 2.5 | 85 | 72 | 120 | | | |
| 1,2,3-Trichioropropane | 26.2 | ug/L | 2.5 | 105 | 64 | 138 | | | |
| Vinyl Acetate | 24.4 | ug/L | 5.0 | 98 | 31 | 124 | | | |
| Vinyl chloride | 22.6 | ug/L | 2.5 | 90 | 58 | 140 | | | |
| m+p-Xylenes | 44.8 | ug/L | 2.5 | 90 | 67 | 139 | | | |
| o-Xylene | 22.6 | ug/L | 2.5 | 90 | 74 | 135 | | | |
| Xylenes, Totali | 67.4 | ug/L | 2.5 | 90 | 70 | 137 | | | |
| Surr: 1,2-Dichloroethane-d4 | | | 2.5 | 110 | 71 | 139 | | | |
| Surr: p-Bromofluorobenzene | | | 2.5 | 102 | 80 | 127 | | | |
| Surr: Toluene-d8 | | | 2.5 | 93 | 80 | 123 | | | |
| Lab ID: b17031875-001dmsd Samp | le Matrix | Spike Duplicate | | | Run: 5971A | I_170331A | | 03/31/ | 17 15:11 |
| Acetone | 410 | ug/L | 100 | 122 | 55 | 144 | 8.1 | 20 | |
| Acetonitrile | 262 | ug/L | 100 | 105 | 54 | 142 | 4.5 | 20 | |
| Benzene | 25.0 | ug/L | 2.5 | 100 | 73 | 122 | 1.6 | 20 | |
| Bromobenzene | 25.6 | ug/L | 2.5 | 102 | 74 | 129 | 3.2 | 20 | |
| Bromochloromethane | 25,2 | ug/L | 2.5 | 101 | 66 | 120 | 0.0 | 20 | |
| Bromodichloromethane | 27.2 | u g /L | 2.5 | 109 | 74 | 128 | 3.7 | 20 | |
| Bromoform | 28.4 | ug/L | 2.5 | 114 | 66 | 128 | 5.1 | 20 | |
| Bromomethane | 20.8 | ug/L | 2.5 | 83 | 51 | 123 | 10 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Report Date: 04/06/17 Project: 170324007 Sterling Ranch MD Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------|---------------|-----------------|-----|------|-----------|-------------|-----|----------|-----------|
| Method: E624 | | | | | | | | Batch: | R277281 |
| Lab ID: b17031875-001dmsd | Sample Matrix | Spike Duplicate | | | Run: 5971 | A.I_170331A | | 03/31 | /17 15:11 |
| Carbon disulfide | 25.6 | ug/L | 2.5 | 102 | 46 | 145 | 3.1 | 20 | |
| Carbon tetrachloride | 28.6 | ug/L | 2.5 | 114 | 75 | 125 | 1.4 | 20 | |
| Chlorobenzene | 23.6 | ug/L | 2.5 | 94 | 80 | 123 | 3.4 | 20 | |
| Chlorodibromomethane | 28.0 | ug/L | 2.5 | 112 | 74 | 125 | 4.4 | 20 | |
| Chloroethane | 20.6 | ug/L | 2.5 | 82 | 59 | 142 | 2.0 | 20 | |
| Chloroform | 33.6 | ug/L | 2.5 | 111 | 68 | 124 | 1.2 | 20 | |
| Chioromethane | 19.3 | ug/L | 2.5 | 77 | 53 | 146 | 3.8 | 20 | |
| 2-Chlorotoluene | 26.4 | ug/L | 2.5 | 106 | 75 | 131 | 6.2 | 20 | |
| 4-Chiorotoluene | 27.2 | ug/L | 2.5 | 109 | 74 | 129 | 5.3 | 20 | |
| 1,2-Dibromoethane | 24.0 | u g /L | 2.5 | 96 | 76 | 124 | 0.0 | 20 | |
| Dibromomethane | 26.8 | ug/L | 2.5 | 107 | 77 | 125 | 2.3 | 20 | |
| 1,2-Dichlorobenzene | 25.8 | ug/L | 2.5 | 103 | 74 | 124 | 4.8 | 20 | |
| 1,3-Dichlorobenzene | 26.0 | ug/L | 2.5 | 104 | 77 | 122 | 5.5 | 20 | |
| 1,4-Dichiorobenzene | 25.4 | ug/L | 2.5 | 102 | 76 | 126 | 3.2 | 20 | |
| Dichlorodifluoromethane | 25.8 | ug/L | 2.5 | 103 | 56 | 146 | 4.5 | 20 | |
| 1,1-Dichloroethane | 24.8 | ug/L | 2.5 | 99 | 74 | 133 | 2.4 | 20 | |
| 1,2-Dichloroethane | 29,2 | ug/L | 2.5 | 117 | 75 | 129 | 0.0 | 20 | |
| 1,1-Dichloroethene | 26.8 | u g /L | 2.5 | 107 | 74 | 132 | 0.7 | 20 | |
| cis-1,2-Dichloroethene | 25.2 | ug/L | 2.5 | 101 | 81 | 122 | 3.2 | 20 | |
| trans-1,2-Dichloroethene | 26.4 | u g /L | 2.5 | 106 | 79 | 143 | 2.3 | 20 | |
| 1,2-Dichloropropane | 23.6 | ug/L | 2.5 | 94 | 75 | 126 | 2.6 | 20 | |
| 1,3-Dichloropropane | 23.8 | ug/L | 2.5 | 95 | 71 | 136 | 6.1 | 20 | |
| 2,2-Dichloropropane | 28.6 | ug/L | 2.5 | 114 | 68 | 142 | 2.1 | 20 | |
| 1,1-Dichloropropene | 25.8 | ug/L | 2.5 | 103 | 70 | 131 | 2.4 | 20 | |
| cls-1,3-Dichloropropene | 23.2 | ug/L | 2.5 | 93 | 74 | 135 | 4.4 | 20 | |
| trans-1,3-Dichloropropene | 25.4 | ug/L | 2.5 | 102 | 76 | 149 | 3.2 | 20 | |
| Ethylbenzene | 25.0 | ug/L | 2.5 | 100 | 72 | 130 | 5.8 | 20 | |
| Methyl tert-butyl ether (MTBE) | 26.6 | ug/L | 2.5 | 106 | 72 | 120 | 3.8 | 20 | |
| Methyl ethyl ketone | 292 | u g /L | 100 | 117 | 45 | 130 | 8.6 | 20 | |
| Methyl isobutyl ketone | 286 | u g /L | 100 | 114 | 58 | 135 | 10 | 20 | |
| Methylene chloride | 31.4 | u g /L | 2.5 | 126 | 66 | 142 | 2.5 | 20 | |
| Naphthalene | 27.8 | ug/L | 2.5 | 111 | 69 | 124 | 0.7 | 20 | |
| Styrene | 22.8 | ug/L | 2.5 | 91 | 80 | 124 | 1.8 | 20 | |
| Tetrachloroethene | 23.8 | ug/L | 2.5 | 95 | 72 | 131 | 4.3 | 20 | |
| 1,1,1,2-Tetrachloroethane | 23.2 | ug/L | 2.5 | 93 | 78 | 124 | 0.9 | 20 | |
| 1,1,2,2-Tetrachioroethane | 27.4 | ug/L | 2.5 | 110 | 68 | 137 | 5.2 | 20 | |
| Toluene | 24.4 | ug/L | 2.5 | 95 | 72 | 135 | 0.0 | 20 | |
| Trichloroethene | 25.0 | ug/L | 2.5 | 100 | 85 | 126 | 4.9 | 20 | |
| 1,1,1-Trichloroethane | 27.4 | ug/L | 2.5 | 110 | 63 | 120 | 2.2 | 20 | |
| 1,1,2-Trichloroethane | 24.8 | ug/L | 2.5 | 99 | 78 | 124 | 5.8 | 20 | |
| Trichlorofluoromethane | 22.4 | ug/L | 2.5 | 90 | 72 | 120 | 5.5 | 20 | |
| 1,2,3-Trichloropropane | 26.8 | ug/L | 2.5 | 107 | 64 | 138 | 2.3 | 20 | |
| Vinyl Acetate | 24.4 | ug/L | 5.0 | 98 | 31 | 124 | 0.0 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

8illings, MT 880.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17

Work Order: C17030850

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------|---------------------|---------------|-----------------|-----|------|-----------|-------------|-----|----------|-----------|
| Method: | E824 | | | | | | | | Batch: | R277281 |
| Lab ID: | b17031875-001dmsd | Sample Matrix | Spike Duplicate | | | Run: 5971 | A.I_170331A | | 03/31 | /17 15:11 |
| Vinyl chlori | ide | 22.8 | ug/L | 2.5 | 91 | 58 | 140 | 0.9 | 20 | |
| m+p-Xylen | es | 46.0 | ug/L | 2.5 | 92 | 67 | 139 | 2.6 | 20 | |
| o-Xylene | | 23.4 | ug/L | 2.5 | 94 | 74 | 135 | 3.5 | 20 | |
| Xylenes, T | otal | 69.4 | ug/L | 2.5 | 93 | 70 | 137 | | | |
| Surr: 1,2 | 2-Dichloroethane-d4 | | - | 2.5 | 112 | 71 | 139 | | | |
| Surr: p-8 | 3romofluorobenzene | | | 2.5 | 105 | 80 | 127 | | | |
| Surr: To | luene-d8 | | | 2.5 | 93 | 80 | 123 | | | |



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Units %REC Low Limit High Limit Analyte Result **RPD RPDLimit** Qual Method: Batch: 107942 Lab ID: MB-107942 Method Blank Run: SV5973N2.I_170330B 03/30/17 16:12 10 Acenaphthene ND ug/L ND 10 Acenaphthylene ug/L 10 Anthracene ND ug/L Azobenzene ND ug/L 10 **Benzidine** ND ug/L 10 10 Benzo(a)anthracene ND ug/L ND ug/L 10 Benzo(a)pyrene Benzo(b)fluoranthene ND ug/L 10 Benzo(g,h,i)perylene ND ug/L 10 Benzo(k)fluoranthene ND ug/L 10 ND 10 4-Bromophenyl phenyl ether ug/L Butylbenzylphthalate ND ug/L 10 ND 10 ug/L 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane ND ug/L 10 bis(-2-chloroethyl)Ether ND ug/L 10 bis(2-chloroisopropyl)Ether ND ug/L 10 10 ND ug/L 2-Chloronaphthalene ND ug/L 10 2-Chlorophenol 10 4-Chlorophenyl phenyl ether ND ug/L Chrysene ND ug/L 10 10 Diethyl phthalate ND ug/L 10 Di-n-butyl phthalate ND ug/L 10 ND ug/L 1,2-Dichlorobenzene 10 1,3-Dichlorobenzene ND ug/L 1,4-Dichlorobenzene ND ug/L 10 3,3'-Dichlorobenzidine ND ug/L 10 2,4-Dichlorophenol ND ug/L 10 Dimethyl phthalate ND ug/L 10 10 Di-n-octyl phthalate ND ug/L ND ug/L 10 Dibenzo(a,h)anthracene 2,4-Dimethylphenoi ND ug/L 10 ND ug/L 50 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol ND ug/L 50 ND ug/L 10 2,4-Dinitrotoluene 2,6-Dinitrotoluene ND ug/L 10 ND ug/L 10 bis(2-ethylhexyl)Phthalate Fluoranthene ND ug/L 10 ND 10 Fluorene ug/L Hexachlorobenzene ND ug/L 10 ND 10 Hexachlorobutadiene ug/L Hexachlorocyclopentadiene ND ug/L 10

Qualifiers:

Hexachloroethane

RL - Analyte reporting limit.

Indeno(1,2,3-cd)pyrene

ND - Not detected at the reporting limit.

10

10

ND

ND

ug/L

ug/L

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17

Work Order: C17030850

RPD RPDLimit Units RL %REC Low Limit High Limit Qual **Analyte** Result Batch: 107942 Method: Method Blank Run: SV5973N2.I_170330B 03/30/17 16:12 Lab ID: MB-107942 10 ND ug/L Isophorone ND 10 ug/L n-Nitrosodimethylamine n-Nitroso-di-n-propylamine ND ug/L 10 n-Nitrosodiphenylamine ND ug/L 10 ND ug/L 10 2-Nitrophenol 50 4-Nitrophenol ND ug/L ND 10 Naphthalene ug/L Nitrobenzene ND ug/L 10 Pentachlorophenol ND ug/L 50 Phenanthrene ND ug/L 10 10 ND ug/L Phenol ND ug/L 10 Pyrene 10 ug/L 1,2,4-Trichlorobenzene ND 2,4,6-Trichlorophenol ND ug/L 10 10 57 28 107 Surr: 2-Fluorobiphenyl 10 42 20 56 Surr: 2-Fluorophenol 10 62 32 94 Surr: Nitrobenzene-d5 10 30 19 45 Surr: Phenol-d5 122 80 32 10 Surr: Terphenyl-d14 Surr: 2,4,6-Tribromophenol 10 68 21 130 LCS-107942 Laboratory Control Sample Run: SV5973N2.I_170330B 03/30/17 16:43 Lab ID: 10 89.1 89 58 99 Acenaphthene ug/L Acenaphthylene 84.2 ug/L 10 84 57 96 75.6 ug/L 10 76 60 107 Anthracene 10 78 56 100 Azobenzene 78.0 ug/L 10 100 10 53 53.1 ug/L Benzidine 10 62 114 86.4 ug/L 86 Benzo(a)anthracene 62 85 108 Benzo(a)pyrene 84.7 ug/L 10 Benzo(b)fluoranthene 89.8 ug/L 10 90 48 127 87.2 10 87 62 121 Benzo(g,h,i)perylene ug/L 10 55 84.0 ug/L 84 111 Benzo(k)fluoranthene 10 87 58 105 4-Bromophenyl phenyl ether 87.1 ug/L ug/L 60 113 90.8 10 91 Buty/benzy/phthalate 4-Chloro-3-methylphenol 74.6 ug/L 10 75 53 92 bis(-2-chloroethoxy)Methane 69.9 ug/L 10 70 50 92 10 72 44 bis(-2-chloroethyl)Ether 72.1 ug/L 82 63.2 ug/L 10 63 56 87 bis(2-chloroisopropyl)Ether 95 10 85 56 2-Chloronaphthalene 84.9 ug/L 47 76 67.2 ug/L 10 67 2-Chlorophenol 4-Chlorophenyl phenyl ether 83.0 ug/L 10 83 58 99 10 87 63 106 87.0 ug/L Chrysene

Qualifiers:

Diethyl phthalate

RL - Analyte reporting limit.

84.6

ug/L

ND - Not detected at the reporting limit.

58

103

10

85

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------|-----------------|---------------|----|------|-----------|----------------|-----|----------|-----------|
| Method: E625 | · •·· | | | | | | | Batch | n: 10794: |
| Lab ID: LCS-107942 | Laboratory Conf | roi Sample | | | Run: SV59 | 73N2.I_170330B | | 03/30 | /17 16:43 |
| Di-n-butyl phthalate | 87.1 | ug/L | 10 | 87 | 61 | 110 | | | |
| 1,2-Dichiorobenzene | 69.3 | ug/L | 10 | 69 | 43 | 81 | | | |
| 1,3-Dichlorobenzene | 64.0 | ug/L | 10 | 64 | 41 | 79 | | | |
| 1,4-Dichlorobenzene | 64.5 | ug/L | 10 | 64 | 42 | 79 | | | |
| 3,3'-Dichlorobenzidine | 64.8 | ug/L | 10 | 65 | 51 | 93 | | | |
| 2,4-Dichlorophenol | 70.6 | ug/L | 10 | 71 | 49 | 90 | | | |
| Dimethyl phthalate | 82.5 | ug/L | 10 | 82 | 58 | 104 | | | |
| Di-n-octyl phthalate | 93.4 | ug/L | 10 | 93 | 56 | 110 | | | |
| Dibenzo(a,h)anthracene | 87.8 | ug/L | 10 | 88 | 61 | 111 | | | |
| 2,4-Dimethylphenol | 66.2 | u g/ L | 10 | 66 | 45 | 89 | | | |
| 4,6-Dinitro-2-methylphenol | 66.1 | u g /L | 50 | 66 | 37 | 105 | | | |
| 2,4-Dinitrophenol | 54.1 | ug/L | 50 | 54 | 27 | 81 | | | |
| 2,4-Dinitrotoluene | 56.2 | ug/L | 10 | 86 | 63 | 110 | | | |
| 2,6-Dinitrotoluene | 77.2 | u g/L | 10 | 77 | 60 | 107 | | | |
| bis(2-ethylhexyl)Phthalate | 86.0 | u g/ L | 10 | 86 | 56 | 108 | | | |
| Fluoranthene | 84.2 | ug/L | 10 | 84 | 63 | 110 | | | |
| Fluorene | 89.3 | u g /L | 10 | 89 | 60 | 99 | | | |
| Hexachlorobenzene | 82.7 | u g /L | 10 | 83 | 57 | 103 | | | |
| Hexachiorobutadiene | 71.7 | ug/L | 10 | 72 | 39 | 83 | | | |
| Hexachiorocyclopentadlene | 81.0 | ug/L | 10 | 81 | 39 | 91 | | | |
| Hexachloroethane | 65.0 | ug/L | 10 | 65 | 37 | 75 | | | |
| Indena(1,2,3-cd)pyrene | 83.2 | ug/L | 10 | 83 | 59 | 109 | | | |
| Isophorone | 69.8 | ug/L | 10 | 70 | 42 | 102 | | | |
| n-Nitrosodimethylamine | 36.8 | ug/L | 10 | 37 | 20 | 45 | | | |
| n-Nitroso-di-n-propylamine | 76.6 | ug/L | 10 | 77 | 49 | 98 | | | |
| n-Nitrosodiphenylamine | 91.5 | ug/L | 10 | 92 | 61 | 108 | | | |
| 2-Nitrophenol | 72.3 | ug/L | 10 | 72 | 51 | 96 | | | |
| 4-Nitrophenol | 27.4 | ug/L | 50 | 27 | 15 | 36 | | | |
| Naphthalene | 68.1 | ug/L | 10 | 68 | 48 | 96 | | | |
| Nitrobenzene | 77.9 | ug/L | 10 | 78 | 51 | 91 | | | |
| Pentachiorophenol | 72.4 | ug/L | 50 | 72 | 53 | 109 | | | |
| Phenanthrene | 82.0 | ug/L | 10 | 82 | 58 | 104 | | | |
| Phenol | 40.6 | ug/L | 10 | 41 | 27 | 45 | | | |
| Pyrene | 85.0 | ug/L | 10 | 85 | 64 | 108 | | | |
| 1,2,4-Trichlorobenzene | 71.2 | ug/L | 10 | 71 | 49 | 85 | | | |
| 2,4,6-Trichlorophenol | 73.9 | ug/L | 10 | 74 | 47 | 99 | | | |
| Surr: 2-Fluorobiphenyl | | | 10 | 69 | 28 | 107 | | | |
| Surr: 2-Fluorophenol | | | 10 | 42 | 20 | 56 | | | |
| Surr. Nitrobenzene-d5 | | | 10 | 72 | 32 | 94 | | | |
| Surr: Phenoi-d5 | | | 10 | 36 | 19 | 45 | | | |
| Surr: Terphenyl-d14 | | | 10 | 80 | 32 | 122 | | | |
| Surr: 2,4,6-Tribromophenol | | | 10 | 70 | 21 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------------|---------------|---------------|----|------|-----------|----------------|-----|----------|-----------|
| Method: E625 | | | | | | | | Batcl | h: 10794 |
| Lab iD: C17030850-001CMS | Sample Matrix | Spike | | | Run: SV59 | 73N2.I_170330E | 3 | 03/30 | /17 17:45 |
| Acenaphthene | 86.7 | ug/L | 10 | 87 | 58 | 99 | | | |
| Acenaphthylene | 75.5 | ug/L | 10 | 76 | 57 | 96 | | | |
| Anthracene | 81.6 | u g /L | 10 | 82 | 60 | 107 | | | |
| Azobenzene | 84.6 | ug/L | 10 | 85 | 56 | 100 | | | |
| Benzidine | 122 | ug/L | 20 | 122 | 10 | 100 | | | s |
| Benzo(a)anthracene | 83.4 | ug/L | 10 | 83 | 62 | 114 | | | |
| Benzo(a)pyrene | 78.4 | ug/L | 10 | 78 | 62 | 108 | | | |
| Benzo(b)fluoranthene | 79.9 | ug/L | 10 | 80 | 48 | 127 | | | |
| Benzo(g,h,i)perylene | 83.2 | ug/L | 10 | 83 | 62 | 121 | | | |
| Benzo(k)fluoranthene | 84.5 | ug/L | 10 | 84 | 55 | 111 | | | |
| 4-Bromophenyl phenyl ether | 79.5 | u g /L | 10 | 79 | 58 | 105 | | | |
| Butylbenzylphthalate | 89.2 | ug/L | 10 | 89 | 60 | 113 | | | |
| 4-Chloro-3-methylphenol | 78,3 | ug/L | 10 | 78 | 53 | 92 | | | |
| bis(-2-chloroethoxy)Methane | 77.9 | ug/L | 10 | 78 | 50 | 92 | | | |
| bis(-2-chloroethyl)Ether | 71.5 | ug/L | 10 | 71 | 44 | 82 | | | |
| bis(2-chloroisopropyl)Ether | 58.4 | ug/L | 10 | 58 | 56 | 87 | | | |
| 2-Chloronaphthalene | 7 7.6 | ug/L | 10 | 78 | 56 | 95 | | | |
| 2-Chlorophenol | 63.7 | ug/L | 10 | 64 | 47 | 76 | | | |
| 4-Chlorophenyl phenyl ether | 81.0 | ug/L | 10 | 81 | 58 | 99 | | | |
| Chrysene | 85.9 | ug/L | 10 | 86 | 63 | 106 | | | |
| Diethyl phthalate | 84.0 | ug/L | 10 | 84 | 58 | 103 | | | |
| Di-n-butyl phthalate | 87.0 | ug/L | 10 | 87 | 61 | 110 | | | |
| 1,2-Dichlorobenzene | 67.3 | ug/L | 10 | 67 | 43 | 81 | | | |
| 1,3-Dichlorobenzene | 66.0 | ug/L | 10 | 66 | 41 | 79 | | | |
| 1,4-Dichlorobenzene | 66.7 | ug/L | 10 | 67 | 42 | 79 | | | |
| 3,3'-Dichlorobenzidine | 131 | ug/L | 10 | 131 | 51 | 93 | | | S |
| 2,4-Dichlorophenol | 70.0 | ug/L | 10 | 70 | 49 | 90 | | | |
| Dimethyl phthalate | 79.3 | ug/L | 10 | 79 | 58 | 104 | | | |
| Di-n-octyl phthalate | 81.8 | ug/L | 10 | 82 | 56 | 110 | | | |
| Dibenzo(a,h)anthracene | 80.1 | ug/L | 10 | 80 | 61 | 111 | | | |
| 2,4-Dimethylphenol | 70.7 | ug/L | 10 | 71 | 45 | 87 | | | |
| 4,6-Dinitro-2-methylphenol | 53.1 | ug/L | 50 | 53 | 37 | 105 | | | |
| 2,4-Dinitrophenol | 43.0 | ug/L | 50 | 43 | 27 | 81 | | | |
| 2,4-Dinitrotoluene | 85.6 | ug/L | 10 | 86 | 63 | 110 | | | |
| 2,6-Dinitrotoluene | 81.5 | ug/L | 10 | 81 | 60 | 107 | | | |
| bis(2-ethylhexyl)Phthalate | 77.5 | ug/L | 10 | 77 | 56 | 108 | | | |
| Fluoranthene | 84.0 | ug/L | 10 | 84 | 63 | 110 | | | |
| Fluorene | 0.08 | ug/L | 10 | 80 | 60 | 99 | | | |
| Hexachlorobenzene | 78,2 | ug/L | 10 | 78 | 57 | 103 | | | |
| Hexachiorobutadiene | 69.1 | ug/L | 10 | 69 | 39 | 83 | | | |
| Hexachlorocyclopentadiene | 69.0 | ug/L | 10 | 69 | 39 | 91 | | | |
| Hexachloroethane | 62.6 | ug/L | 10 | 63 | 37 | 75 | | | |
| Indeno(1,2,3-cd)pyrene | 76.3 | ug/L | 10 | 76 | 59 | 109 | | | |

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------|---------------|---------------|----|------|-----------|----------------|-----|----------|-----------|
| Method: E625 | | | - | | | | | Batc | h: 107942 |
| Lab ID: C17030850-001CMS | Sample Matrix | c Spike | | | Run: SV59 | 73N2.I_170330B | | 03/30 | /17 17:45 |
| Isophorone | 71.4 | ug/L | 10 | 71 | 42 | 102 | | | |
| n-Nitrosodimethylamine | 26.1 | ug/L | 10 | 26 | 20 | 45 | | | |
| n-Nitroso-di-n-propylamine | 76.1 | ug/L | 10 | 76 | 49 | 98 | | | |
| n-Nitrosodiphenylamine | 105 | ug/L | 10 | 105 | 61 | 108 | | | |
| 2-Nitrophenol | 73.5 | ug/L | 10 | 74 | 51 | 96 | | | |
| 4-Nitrophenoi | 25.8 | ug/L | 50 | 26 | 15 | 36 | | | |
| Naphthalene | 75.6 | ug/L | 10 | 76 | 48 | 96 | | | |
| Nitrobenzene | 75.6 | ug/L | 10 | 76 | 51 | 91 | | | |
| Pentachlorophenol | 60.3 | ug/L | 50 | 60 | 53 | 109 | | | |
| Phenanthrene | 83.8 | ug/L | 10 | 84 | 58 | 104 | | | |
| Phenol | 38.7 | ug/L | 10 | 39 | 27 | 45 | | | |
| Pyrene | 87.0 | u g/ L | 10 | 87 | 64 | 108 | | | |
| 1,2,4-Trichlorobenzene | 74.7 | ug/L | 10 | 75 | 49 | 85 | | | |
| 2,4,6-Trichlorophenol | 68.8 | ug/L | 10 | 69 | 47 | 99 | | | |
| Surr: 2-Fluorobiphenyl | | | 10 | 51 | 28 | 107 | | | |
| Surr: 2-Fluorophenol | | | 10 | 41 | 20 | 56 | | | |
| Surr: Nitrobenzene-d5 | | | 10 | 64 | 32 | 94 | | | |
| Surr: Phenol-d5 | | | 10 | 33 | 19 | 45 | | | |
| Surr: Terphenyl-d14 | | | 10 | 73 | 32 | 122 | | | |
| Surr: 2,4,6-Tribromophenol | | | 10 | 67 | 21 | 130 | | | |



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD **Report Date:** 04/06/17 **Work Order:** C17030850

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD RPDLimit | Qual |
|-----------------------------|---------------|-----------------|----------------|------|-----------|------------|-----------------|------------|
| Method: E625 | | | | | | | Analytical Run: | R277253 |
| Lab ID: 30-Mar-17_CCV_11 | Continuing Ca | libration Verif | ication Standa | rd | | | 03/30 |)/17 15:40 |
| Acenaphthene | 75.3 | ug/L | 10 | 100 | 80 | 120 | | |
| Acenaphthylene | 79.7 | ug/L | 10 | 106 | 80 | 120 | | |
| Anthracene | 75.2 | ug/L | 10 | 100 | 80 | 120 | | |
| Azobenzene | 75.1 | ug/L | 10 | 100 | 08 | 120 | | |
| Benzidine | 70.6 | ug/L | 10 | 94 | 80 | 120 | | |
| Benzo(a)anthracene | 76.3 | ug/L | 10 | 102 | 80 | 120 | | |
| Benzo(a)pyrene | 81.9 | ug/L | 10 | 109 | 80 | 120 | | |
| Benzo(b)fluoranthene | 78.3 | ug/L | 10 | 104 | 80 | 120 | | |
| Benzo(g,h,l)perylene | 78.0 | ug/L | 10 | 104 | 80 | 120 | | |
| Benzo(k)fluoranthene | 81.6 | ug/L | 10 | 109 | 80 | 120 | | |
| 4-Bromophenyl phenyl ether | 81.6 | ug/L | 10 | 109 | 80 | 120 | | |
| Butylbenzylphthalate | 78.0 | ug/L | 10 | 104 | 80 | 120 | | |
| 4-Chloro-3-methylphenol | 76.0 | ug/L | 10 | 101 | 80 | 120 | | |
| bis(-2-chloroethoxy)Methane | 70.4 | ug/L | 10 | 94 | 80 | 120 | | |
| bis(-2-chloroethyl)Ether | 77.2 | ug/L | 10 | 103 | 80 | 120 | | |
| bis(2-chloroisopropyl)Ether | 76.7 | ug/L | 10 | 102 | 80 | 120 | | |
| 2-Chloronaphthalene | 79.8 | ug/L | 10 | 106 | 08 | 120 | | |
| 2-Chlorophenol | 72.7 | ug/L | 10 | 97 | 80 | 120 | | |
| 4-Chlorophenyl phenyl ether | 72.7 | ug/L | 10 | 97 | 80 | 120 | | |
| Chrysene | 74.9 | ug/L | 10 | 100 | 80 | 120 | | |
| Diethyl phthalate | 76.8 | ug/L | 10 | 102 | 80 | 120 | | |
| Di-n-butyl phthalate | 76.9 | ug/L | 10 | 102 | 80 | 120 | | |
| 1,2-Dichlorobenzene | 76.8 | ug/L | 10 | 102 | 80 | 120 | | |
| 1,3-Dichlorobenzene | 72.1 | ug/L | 10 | 96 | 80 | 120 | | |
| 1,4-Dichlorobenzene | 74.8 | ug/L | 10 | 100 | 80 | 120 | | |
| 3,3'-Dichlorobenzidine | 76.2 | ug/L | 10 | 102 | 80 | 120 | | |
| 2,4-Dichlorophenol | 73.5 | ug/L | 10 | 98 | 80 | 120 | | |
| Dimethyl phthalate | 77.0 | ug/L | 10 | 103 | 80 | 120 | | |
| Di-n-octyl phthalate | 81.2 | ug/L | 10 | 108 | 80 | 120 | | |
| Dibenzo(a,h)anthracene | 76.2 | ug/L | 10 | 102 | 80 | 120 | | |
| 2,4-Dimethylphenol | 70.3 | ug/L | 10 | 94 | 80 | 120 | | |
| 4,6-Dinitro-2-methylphenol | 77.4 | ug/L | 50 | 103 | 80 | 120 | | |
| 2,4-Dinitrophenol | 80.2 | ug/L | 50 | 107 | 80 | 120 | | |
| 2,4-Dinitrotoluene | 79.8 | ug/L | 10 | 106 | 80 | 120 | | |
| 2,6-Dinitrotoluene | 80.8 | ug/L | 10 | 108 | 80 | 120 | | |
| bis(2-ethylhexyi)Phthalate | 77.3 | ug/L | 10 | 103 | 80 | 120 | | |
| Fluoranthene | 76.8 | ug/L | 10 | 102 | 80 | 120 | | |
| Fluorene | 82.8 | ug/L | 10 | 110 | 80 | 120 | | |
| Hexachiorobenzene | 74.2 | ug/L | 10 | 99 | 80 | 120 | | |
| Hexachlorobutadiene | 73.0 | ug/L | 10 | 97 | 80 | 120 | | |
| Hexachiorocyclopentadiene | 79.2 | ug/L | 10 | 106 | 80 | 120 | | |
| Hexachloroethane | 74.4 | ug/L | 10 | 99 | 80 | 120 | | |
| ndeno(1,2,3-cd)pyrene | 73.3 | ug/L | 10 | 98 | 80 | 120 | | |

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Analyte | | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------|------------------|---------------|-------------------|---------------|------|-----------|------------|-----|---------------|-----------|
| Method: | E625 | | | · | | | | Ar | aiytical Run: | R277253 |
| Lab ID: | 30-Mar-17_CCV_11 | Continuing Ca | ilibration Verifi | cation Standa | ırd | | | | 03/30 | /17 15:40 |
| Isophorone | • | 71.5 | ug/L | 10 | 95 | 80 | 120 | | | |
| n-Nitrosodii | methylamine | 79.5 | ug/L | 10 | 106 | 80 | 120 | | | |
| n-Nitroso-di | i-n-propylamine | 76.0 | ug/L | 10 | 101 | 80 | 120 | | | |
| n-Nitrosodi | phenylamine | 77.5 | ug/L | 10 | 103 | 80 | 120 | | | |
| 2-Nitropher | nol | 74.6 | u g /L | 10 | 99 | 80 | 120 | | | |
| 4-Nitropher | lor | 72.4 | ug/L | 50 | 97 | 80 | 120 | | | |
| Naphthalen | ie | 68.4 | ug/L | 10 | 91 | 80 | 120 | | | |
| Nitrobenzer | ne | 77.1 | ug/L | 10 | 103 | 80 | 120 | | | |
| Pentachloro | ophenol | 71.7 | ug/L | 50 | 96 | 80 | 120 | | | |
| Phenanthre | ene | 70.9 | ug/L | 10 | 95 | 80 | 120 | | | |
| Pheno! | | 79.0 | ug/L | 10 | 105 | 80 | 120 | | | |
| Pyrene | | 79.0 | ug/L | 10 | 105 | 80 | 120 | | | |
| 1,2,4-Trichi | orobenzene | 73.1 | ug/L | 10 | 98 | 80 | 120 | | | |
| 2,4,6-Trichl | orophenol | 71.0 | ug/L | 10 | 95 | 80 | 120 | | | |
| Surr: 2-F | luorobiphenyl | | | 10 | 108 | 80 | 120 | | | |
| Surr: 2-F | luorophenol | | | 10 | 105 | 80 | 120 | | | |
| Surr: Nitr | robenzene-d5 | | | 10 | 101 | 80 | 120 | | | |
| Surr: Phe | enal-d5 | | | 10 | 102 | 80 | 120 | | | |
| Surr: Ter | phenyl-d14 | | | 10 | 104 | 80 | 120 | | | |
| Surr: 2,4, | 6-Tribromophenol | | | 10 | 105 | 80 | 120 | | | |

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

| Analyte | | Result | Units | RL. | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------|-------------------|----------------|---------------------|-----------|------|-----------|----------------|-----|----------------|-----------|
| Method: | SW8260M | | | | | | | - | Analytical Rui | n: 108173 |
| Lab ID: | CCV-108173 | Continuing Cal | ibration Verificati | on Standa | erd | | | | 04/06 | /17 08:29 |
| 1,4-Dioxane | | 95.7 | ug/L | 1.0 | 96 | 80 | 120 | | | |
| Method: | SW8260M | | | | | | | | Batcl | n: 108173 |
| Lab ID: | LCS-108173 | Laboratory Cor | ntrol Sample | | | Run: VOA5 | 973A.I_170406A | | 04/06 | /17 08:51 |
| 1,4-Dioxane | | 87.5 | ug/L | 1.0 | 88 | 70 | 130 | | | |
| Lab ID: | MB-108173 | Method Blank | | | | Run: VOA5 | 973A.I_170406A | | 04/06 | /17 09:12 |
| 1,4-Dioxane | | ND | ug/L | 1.0 | | | | | | |
| Lab ID: | C17030850-001AMS | Sample Matrix | Spike | | | Run: VOA5 | 973A.I_170406A | | 04/06 | /17 09:55 |
| 1,4-Dioxane | | 194 | ug/L | 2.0 | 97 | 70 | 130 | | | |
| Lab ID: | C17030850-001AMSD | Sample Matrix | Spike Duplicate | | | Run: VOA5 | 973A.I_170406A | | 04/06 | /17 10:17 |
| 1,4-Dioxane | | 206 | ug/L | 2.0 | 103 | 70 | 130 | 6.0 | 20 | |

Work Order Receipt Checklist

Contact and Corrective Action Comments:

None

Colorado Analytical Laboratories Inc C17030850

| Login completed by: | Corinne Wagner | | Date | Received: 3/28/2017 | | | | | |
|---|---------------------------------|----------------|------------|------------------------|--|--|--|--|--|
| Reviewed by: | Kasey Vidick | | Re | eceived by: ckw | | | | | |
| Reviewed Date: | 3/29/2017 | | Ca | rrier name: Ground | | | | | |
| Shipping container/cooler in | good condition? | Yes 🗸 | No 🗔 | Not Present | | | | | |
| Custody seals intact on all sl | nipping container(s)/cooler(s)? | Yes | No 🗌 | Not Present ✓ | | | | | |
| Custody seals intact on all sa | ample bottles? | Yes 🗌 | No 🗌 | Not Present ✓ | | | | | |
| Chain of custody present? | | Yes 🗹 | No 🗌 | | | | | | |
| Chain of custody signed whe | n relinguished and received? | Yes 🗸 | No 🗌 | | | | | | |
| Chain of custody agrees with | sample labels? | Yes 🗸 | No 🗌 | | | | | | |
| Samples in proper container | bottle? | Yes 🗸 | No 🗌 | | | | | | |
| Sample containers intact? | | Yes 🗸 | No 🗌 | | | | | | |
| Sufficient sample volume for | indicated test? | Yes 🔽 | No 🗌 | | | | | | |
| All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su | onsidered field parameters | Yes 🗸 | No 🗌 | | | | | | |
| Temp Blank received in all si | nipping container(s)/cooler(s)? | Yes 🗌 | No 🗸 | Not Applicable | | | | | |
| Container/Temp Blank tempe | erature; | 6,6°C On Ice - | From Field | | | | | | |
| Water - VOA vials have zero | headspace? | Yes 🗸 | No 🗌 | No VOA vials submitted | | | | | |
| Water - pH acceptable upon | receipt? | Yes 🔲 | No 🗌 | Not Applicable ✓ | | | | | |
| Standard Reporting Procedures: | | | | | | | | | |
| Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time. | | | | | | | | | |
| Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis. | | | | | | | | | |
| | | | | | | | | | |

Chain of Custody Form

| | | | (|
|---|---|-----------------------------|---|
| Report To Information | Bill To Information (1f different from report to) | Project Name | Colorado Analytical |
| Company Name: Colorado Analytical Laboratoy | Company Name: Same | 170324007 | Brighton Lab |
| Contact Name: Stuart Nielson | Contact Name: | Sterling Ranch MD | 240 South Main Street Brighton, CO 80601 |
| Address: | Address: | Task Number (Lab Use Only) | Lakewood Lab |
| P.O. Box 507 | | CAL Task No. 0 | 12860 W. Cedar Dr, Suite 100A |
| 240 S Main St | | 170324007 | Lakewood CU 80228 |
| City Brighton State CO Zip80601 | City State Zip | 1200L | Phone: 303-659-2313 Fax: 303-659-2315 |
| Phone:303-659-2313 Fax:303-659-2315 | Phone: Fax: | ARF 10 10 | www.coloradolab.com |
| Email: stuartnielson@coloradolab.com | Email: | Disposal Date(Lab Use Only) | |
| Sample Collector: | PO No.: | | • |
| | | | |

| | | | | | | | | | | | | 1 |
|--|-----------------------------|---|---|---|---|------|---|---|---|----------------------------------|-------------------------|--------------------|
| | | | | | | | | | | £ | Somote Pres. Yes 🗍 No 🗍 | Date/Time: |
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| | | | | | | | | | | 1 | | ı |
| | 牌 | 빔 | | | | | | | | Scals Present Yes No | Temp. 6 GCIce YES | \ \ |
| | | | | | | | H | | | nt Yes | ڗ ڒؿ | d By: |
| | | | | | | | | | | ls Prese | ٥ | Received By: |
| | | | | | | | | | | Sca | Te | 2 |
| | | | | | | | | | | | Dag. | Ë |
| 625 SOCs | | | | H | H | | | | | | C/S Charge | Date/Time: |
| 524 Long List | × | | | | | | | | | | Ī | |
| 8260 1,4-Dioxane | X | | | | | | | | | | | |
| or (Check One Only) Composite | | | | | | | | | | | | By: |
| Grab | | | | | | | | | | | | uished |
| No. of Containers | 7 | | | | | | | - | | | | Relinquished By: |
| | | | | | | | - | | | C/S Info: | Deliver Via: | |
| | | | | | | | | | | % | ă | ä |
| Tissue — | | | | | | | | | | | | Date/Time: |
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| Plant 'Other — | | | | | | | | | ! | | | |
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| | Q | | | | | | | | | | | Rece |
| ost | Ranch. | | | | | | | | | | | |
| Soil Sludge Compost | erling | | | | | | ! | | | | | 177 1700 |
| Soli | S 2001 | | İ | | | | | | | ęs | | 3/27/17 3/27/17 |
| | 170324007 Sterling Ranch MD | | | | | | | | | rgy La | | |
| | | | | | | | | | | to Ene | | :. 03 |
| e Water ind Wate | 08:03 | | | | | | | | | ns:UPS | | Sed By |
| Waste Water ☐ Soil ☐ Plant Ground Water ☒ Sludge ☐ Other Surface Water ☐ Compost ☐ — | | | | | | | | | | Instructions: UPS to Energy Labs | | Remaished By: |
| 3 5 8 € | 3/23/17 | | | | | | | | | Inst | | 37 |

APPENDIX F

FAWA WATER SUPPLY VS CURRENT WATER COMMITMENTS





Appendix F
Falcon Area Water and Wastewater Authority
Current Water Supply within FAWWA Service Area (Sterling Ranch)
Update July 7, 2022

| | Summary of E. | xisting Available S | <u>upplies</u> |
|----------------------|--|---------------------|---|
| | | | |
| | | | |
| | Existing Available Supplies summarized from From Table 2 | Non -UBS | |
| | The Ranch Onsite (UBS) | | Onsite-must remain in UBS 245 AF |
| | | | |
| | | 251.45 | |
| | Sterling Ranch Onsite | | OnsiteOriginal report |
| Water Supply Summary | Sterling Ranch On-Site Aug Case 20 CW 3059 | 283.16 | Additional Onsite NT and NNT Augmented 20 CW 3059 |
| ddn | Sterling Ranch Available Supply (300 year) | 654.63 | |
| /ater S | | | |
| > | Retreat Onsite (Central System Only) | 42.76 | Retreat Onsite |
| | | | |
| | | | |
| | Total Currently Available FAWWA Supply | 697.39 | |
| | | Total AF | |

Falcon Area Water and Wastewater Authority Commitments within FAWWA Service Area (Sterling Ranch) Update July 7, 2022

Tract G (19.574) Homestead at Sterling Ranch Filing No.

Tract E (29.658) Homestead at Sterling Ranch Filing No.

Sterling Ranch Preliminary Plan Phase Two

Homestead North at Sterling Ranch Preliminary Plan

Homestead North at Sterling Ranch Filing No. 3

Sterling Ranch East Preliminary Plan No 2. (Foursquare)

Sterling Ranch East Preliminary Plan No 3

(Villages)

Sterling Ranch East Preliminary Phase One

Total Active Commitments Either actual Finding of Sufficiency or

anticipated Finding

Copper Chase at Sterling Ranch

142.92

214.5

147

761

Units

50.45

75.719

62.47

50.73

67.58

312.77

Total Findings at Preliminary

AF

719.98

17-Dec-21

July, 2020

Re-issue Feb 26, 202

etter dated June 10, 202

etter dated June 10, 2022

tter dated June 10, 202

etter dated June 10, 202

| ments within FAWWA Service Area (Sterling Ranch) July 7, 2022 | | | | | | | | | | | | |
|--|------------|------------------------|---|-----------------------------|--------------------------|--|------------------------------|--|--|--|--|--|
| Analysis of Water Commitments | | | | | | | | | | | | |
| | Pre | liminary Commitn | nents | F | Volumetric | | | | | | | |
| Development | Commitment | Supply / Commitment | Letter or Summary | Commitment | Commitment | Letter or Summary | Commitment (30 yearAcre-feet | | | | | |
| | SFE | Acre-Feet | Date/Notes | SFE | Acre-Feet | Date/Notes | | | | | | |
| he Retreat at TimberRidge Preliminary Plan (Central System Only) | 167 | 58.951 | April 2018 Report Supplement Nov 2020 | | | | 17685.3 | | | | | |
| Final #1 Final #2 Final #3 | | | | 59 SFE 78 SFE 30 SFE | 20.827 27.53 10.59 | 23-Aug-20 April 30,2021 July, 2022 | | | | | | |
| | 726 | 277.06 | | | | | | | | | | |
| Sterling Ranch Preliminary Plan Phase One | 726 | 255.96 | June 2015 Report/Summar Update February 2019 | у | | | | | | | | |
| Sterling Ranch Filing #1 | | | | 0 | 0 | Tracts Only | | | | | | |
| Tract BB (10.545) Branding Iron at Sterling Ranch Filing No. 1 Branding Iron Filing No. 2 | | | | 51 88 | 17.85 31.07 | Summary and Letter Revised Feb 20, 2020 Residential) | 5355.0 9321.0 | | | | | |
| Sterling Ranch Filing #2 (49 SF lots with 4.29 AF landscaping) | | | | 61 (61 SFE w irrigation) | 21.59 | Includes 4.29 AF Irrigation Revised Jan 21, 2021 | 6477.0 | | | | | |
| | | | | | | | | | | | | |

171

7624.8

11013.6

15135.0 22715.6

18741.0

12393.0

15219.0

20274.0

161954.3

25.42

36.71

Total Findings at Final

132.638

852.62

376.0

Total Active Commitments (AF)

20-Feb-19

138 single family lots 12/21/202 includes 1.39 Ac Park

ool commitment (13 SFE) contain Branding Iron Filing #2 above

General Note 1. As of January 1, 2022 the Falcon Area Water and Wastewater Authority is managing all water among various Districts, who are participating agencies. Therefore, water accounting changes were adopted on January 1, that do not separately balance or account for separate water accounting within the respective area. Going forward, the commitment sheet will be streamlined by simply adding the total commitments across the FAWWA participating entities.

General Note 2; Sketch Plans do not have hard commitments and are not shown here. Subdivisions can either have a finding of sufficiency at preliminary or final plat stage. Water reports/commitments are sometimes submitted at both stages, even though suffuciency might be achieved at different stages. In order to attempt to track this possible discrepancy we will show the active water commitment in yellow highlight as best as possible. Summation of active water

General Note 3; Yellow highlight signifies applicable commitments, where commitments have been over-riden, changed or modified and are no longer active, they are not highlighted in yellow

APPENDIX G

WATER SUPPLY SUMMARY FORM





WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133,(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a Water supply that is sufficient in terms of quantity, quality, and dependability will be available to ensure an ade

| 1. NAME OF DEVELOPMENT | AS PROPOSED | | | | | | Rettreat at Timberridge Filing | ! <u>No 3</u> | | |
|--|----------------------|---------------------|------------------------|-------------------------|------------|-------------|---|--|--|--|
| 2. LAND USE ACTION Final Plat | | | | | | | | | | |
| 3. NAME OF EXISTING PARCI | EL AS RECORD | ED | | | <u>N/A</u> | | | | | |
| SUBDIVISION | See Above | FILING | Final Plat | BLOCK | <u>All</u> | Lot | <u>All</u> | | | |
| 4. TOTAL ACERAGE | <u>44.578</u> | 5. NUMBER | OF LOTS PROPOSE | ED | <u>33</u> | PLAT MA | APS ENCLOSED YE | S Final Plat Separate Cover | | |
| 6. PARCEL HISTORY - Please a | attach copies of dee | eds, plats, or othe | r evidence or document | tation. (In submittal p | package) | • | | | | |
| A. Was parcel recorded with o | ounty prior to J | une 1, 1972? | | ✓ YES | 5 🗸 | NO | | | | |
| B. Has the parcel ever been p | art of a division | of land action | since June 1. 1972 | ? | | | ✓ YES NO | | | |
| If yes, describe the previou | | | | | | | | | | |
| 7. LOCATION OF PARCEL - Include a map deliniating the project area and tie to a section corner. (In submittal) | | | | | | | | | | |
| <u>portions</u> OFSECTION 21,22, 27, and 28TOWNSHIP 12 | | | | | | | | | | |
| OF 1SECTION | TOWNS | HIP | | = | | | | | | |
| PRINCIPAL MERIDIAN: | | | ✓ 6TH | N.M. | UTE | | COSTILLA | | | |
| 8. PLAT - Location of all wells of | n property must | be plotted and | permit numbers prov | rided. | | | | | | |
| Surveyors plat | | | YES | NO | | | If not, scaled hand -drawn sketch | es 🗌 no _{N/A} | | |
| 9. ESTIMATED WATER REQU | IREMENTS - Ga | llons per Day o | r Acre Foot per Year | , | | | 10. WATER SUPPLY SOURCE | DENVER BASIN | | |
| | | | | | | | ✓ EXISTING DEVELOPED | NEW WELLS | | |
| HOUSEHOLD USE # * | 30 | of units | 9,454 | GPD _ | 10.59 | AF | WELLS SPRING | Proposed Aquifers - (Check One) | | |
| Single Family Wells | 3 | | 945 | | 1.059 | | WELL PERMIT NUMBERS | ☐ Alluvial ☐ Upper Arapahoe | | |
| COMMERCIAL USE# | | Acres | | GPD _ | | AF | <u>LFH 80131-F</u> | Upper Dawson 🗸 Lower Arapahoe | | |
| | | | | | | | Arapahoe 80132-F | Lower Dawson | | |
| IRRIGATION # ** | | acres | , | GPD | | AF | | ☐ Denver ☐ Dakota | | |
| | | _ | | _ | | | | Other | | |
| STOCK WATERING # | | of head | , | GPD | | AF | | | | |
| | | - | | _ | | | MUNICIPAL | | | |
| OTHER | | | | GPD _ | | AF | ✓ ASSOCIATION | WATER COURT DECREE CASE NUMBERS | | |
| | | | | | | | COMPANY | <u>08 CW-113; 08 CW -018</u> | | |
| TOTAL -Central System | | | 9,454 | GPD _ | 10.59 | AF | ✓ DISTRICT | <u>Numerous</u> | | |
| * 30 Units are on Central | System | | | | | | | <u>18CW3002 and 16 CW 3035</u> | | |
| 3 Units will be single CW 3035 | residence | wells augr | nented under | 18 CW 3002 an | nd 16 | | NAME_Sterling Ranch Metropolitan | District #1 | | |
| | | | | | | | LETTER OF COMMITMENT FOR SERVICE YES NO | | | |
| **Irrigation included in overa | | | VEC. [| | | 16 | CERTICE | | | |
| 11. ENGINEER'S WATER SUP | | | | NO | | If yes, ple | ase forward with this form. (This may be required b | efor our review is completed) | | |
| 12. TYPE OF SEWAGE DISPO | SAL SYSTEM | - | Central Sewer | | | | | Ctarling Danah Matuanalitan District Hd | | |
| SEPTIC TANK/LEAC | H FIELD | | | | | ✓ CEN | NTRAL SYSTEM - DISTRICT NAME: | Sterling Ranch Metropolitan District #1 Falcon Area Water and Watsewater Authority | | |
| LAGOON | | | | | | VAL | JLT - LOCATION SEWAGE HAULED TO: | | | |
| ENGINEERED SYSTEM (Attach a copy of engineering design) OTHER: | | | | | | | | | | |