

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke

Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke

Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Lab Number	Customer Sample ID	Sample Date/Time	Test	Result	Method	Date Analyzed
191212008-01L	Abeyta	12/11/19 2:28 PM	Total Coliform	Absent	SM 9223	12/13/19
			E-Coli	Absent	SM 9223	12/13/19

Abbreviations/ References:

Absent = Coliform Not Detected
Present = Coliform Detected - Chlorination Recommended
Date Analyzed = Date Test Completed
SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995



DATA APPROVED FOR RELEASE BY

Drinking Water Chain of Custody

1/2



LABORATORIES, INC.

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
12860 W. Cedar Dr. Suite 100A
Lakewood CO 80228

Phone: 303-659-2313

www.coloradolab.com

Report To Information		Bill To Information (If different from report to)		Project Information	
Company Name: <u>FRS-Hydro</u>	Company Name: _____	Company Name: _____	PWSID: <u>N/A</u>	System Name: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Contact Name: <u>Dave Schwenke</u>	Contact Name: _____	Contact Name: _____	Send Results to CDPHE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Task Number (Lab Use Only)	CAL Task No. <u>191212008</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____	Address: _____	City: <u>CS</u>	State: <u>CO</u>	Zip: <u>80919</u>
City: <u>CS</u>	State: <u>CO</u>	Zip: <u>80919</u>	Phone: _____	Phone: _____	Email: _____
Phone: <u>719-337-0572</u>	Sample Collector: <u>Stephanie Schwenke</u>	Sample Collector Phone: <u>719-331-5341</u>	PO Number: _____	ARR	

Date	Time	Client Sample ID / Sample Pt ID	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 (Circle)	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanide	Gross Alpha/Beta	Radium 226/228	Radon	Uranium	Page 2 of 5
Alberca																														
12/11	8:33am	#1	3																											
12/11	2:26pm	#2	1																											
12/11	2:28pm	#3	2																											
12/11	2:30pm	#4	1																											
12/11	2:31pm	#5	1																											
12/11	2:33pm	#6	2																											
12/11	2:37pm	#7	1																											
12/11	2:40pm	#8	1																											
12/11	2:43pm	#9	1																											
12/11	2:43pm	#10	2																											

Instructions: Please see enclosed doc. for call analysis's desired. No bottle verification. Field temp: 11.7°C. Field pH: 6.15

Reinquished By: [Signature] Date/Time: 12/11 3:35pm Received By: [Signature] Date/Time: 12/12/19 Delivered Via: FedEx Relinquished By: [Signature] Date/Time: 12/12/19 Temp. °C/Ice: 4 Seals Present Yes No Headspace Yes No

805

Drinking Water Chain of Custody

2/2



LABORATORIES, INC.

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

Report To Information		Bill To Information (if different from report to)		State Form / Project Information	
Company Name: <u>DSS-Hydro</u>	Company Name: _____	PWSID: <u>N/A</u>	Address: <u>13935-Vermont</u>	City: <u>CO</u>	State/Zip: <u>CO 80228</u>
Contact Name: <u>Dave Schweserke</u>	Contact Name: _____	System Name: _____	City: <u>CO</u>	State/Zip: <u>CO 80228</u>	County: <u>El Paso</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____	Address: _____	City: <u>CO</u>	State/Zip: <u>CO 80228</u>	County: _____
City: <u>CO</u>	City: _____	City: _____	City: _____	State/Zip: _____	County: _____
State/Zip: <u>CO 80228</u>	State/Zip: _____	State/Zip: _____	State/Zip: _____	State/Zip: _____	State/Zip: _____
Phone: <u>719-277-1212</u>	Phone: _____	Phone: _____	Phone: _____	Phone: _____	Phone: _____
Fax: _____	Fax: _____	Fax: _____	Fax: _____	Fax: _____	Fax: _____
Email: <u>d.schweserke@hydro.com</u>	Email: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Sampler Name: <u>Stephane Schweserke</u>	PO No: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Task Number: 191212008

CAL Task No. _____

PHASE I, II, V Drinking Water Analyses (check analysis)

Subcontract Analyses

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 THMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC DOC (Circle)	SUVA, UV 254 (Circle)	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium	
12/1	2:45pm	A11	2																											
	2:47pm	A13	2																											
	2:50pm	A14	2																											
	2:55pm	AK	2																											
	3:00pm	A11	2																											

Instructions: 29 + 2 blanks

C/S Info: _____

Seals Present Yes No Headspace Yes No

Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____	Relinquished Via: <u>Fedex</u>	C/S Change: <input checked="" type="checkbox"/>	Temp. Received By: <u>4</u>	Sample Pres. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
------------------------	------------------	--------------------	------------------	--------------------------------	---	-----------------------------	--

Received By: Adiant Date/Time: 12/12/19 805

New Groundwater Source Sampling Request

ARF

Field Measurements

pH
Turbidity
Conductivity

General Parameters

Total Organic Carbon
Sodium
Calcium
Magnesium
Potassium
Total Hardness – CaCO₃
Total Alkalinity
Bicarbonate Alkalinity
Strontium
Total Dissolved Solids (TDS)

Microbiological

Total Coliform
E.Coli

Radionuclides

Radium 226 and Radium 228
Gross alpha particle activity -
 Including Radium 226 but not radon &
 uranium
Beta particle and photon radioactivity

VOCs

Vinyl chloride
Benzene
Carbon tetrachloride
1,2-Dichloroethane
Trichloroethylene
1,1,1 Trichloroethane
1,1-Dichloroethylene
Cis-1,2 Dichloroethylene
1,2-Dichloropropane
Ethylbenzene
Monochlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
Styrene
Tetrachloroethylene
Toluene
Trans-1,2 Dichloroethylene
Xylenes (total)
Dichloromethane (methylene chloride)
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane

Inorganics

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Copper
Cyanide (as free Cyanide)
Fluoride
Iron
Lead
Manganese
Mercury
Nickel
Nitrate
Nitrite
Selenium
Thallium
Uranium

Secondary MCLs

Aluminum
Chloride
Silver
Sulfate
Zinc

Synthetic Organic Chemicals (SOC)

Alachlor
Aldibarb1
Aldicarb sulfoxide
Aldicarb sulfone
Altrazine
Carbofuran
Chlordane
Dibromochloropropane
2,4 D
Ethylene dibromide
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Polychlorinated biphenyls
Pentachlorophenol
Toxaphene
2,4,5-TP(Silvex)
Benzopyrene
Dalapon
Di(2-ethylhexyl) adipate
Di(2-ethylhexyl)phthalate
Dinoseb
Dioxin
Diquat
Endothall
Endrin
Glyphosate
Hexachlorobenzene
Hexachlorocyclopentadiene
Oxamyl (Vydate)
Picloram
Simazine

ARF



INVOICE #: 191212008	
Invoice Date:	Jan 6, 2020
Date Received:	Dec 12, 2019

Bill To
 JDS Hydro Consultants
 Doug Schwenke
 5540 Tech Center Dr.
 Suite 100
 Colorado Springs CO 80919

Original Results To
 JDS Hydro Consultants
 Doug Schwenke
 5540 Tech Center Dr.
 Suite 100
 Colorado Springs CO 80919

<u>Client Project Name:</u> Abeyta	<u>Task Number:</u> 191212008	<u>Customer PO:</u>
---------------------------------------	----------------------------------	---------------------

Quantity	Item	Description	Unit Price	Extension
1	Water - Drinking	524.2 VOCS (Non-Compliance)	\$145.00	\$145.00
1	Water - Drinking	547 Glyphosate (Sub)	\$155.00	\$155.00
1	Water - Drinking	Chloride	\$17.00	\$17.00
1	Water - Drinking	Cyanide - Free	\$38.00	\$38.00
1	Water - Drinking	Fluoride	\$18.00	\$18.00
1	Water - Drinking	Inorganics	\$155.00	\$155.00
1	Water - Drinking	Langelier Index	\$57.00	\$57.00
1	Water - Drinking	Nitrate Nitrogen	\$17.00	\$17.00
1	Water - Drinking	Nitrite Nitrogen	\$17.00	\$17.00
1	Water - Drinking	Sulfate	\$17.00	\$17.00
1	Water - Drinking	TOC	\$35.00	\$35.00
1	Water - Drinking	Total Coliform P/A	\$23.00	\$23.00
1	Water - Drinking	Total Hardness - Total	\$0.00	\$0.00
1	Water - Drinking	Total Metals By ICP-MS	\$127.00	\$127.00
1	Water - Drinking	Total Metals By OES	\$48.00	\$48.00
1	Shipping	Cooler Shipment - UPS	\$10.00	\$10.00
1	Shipping	Sample Shipment to Outside Lab	\$30.00	\$30.00
Thank You! We Appreciate Your Business.			Total:	\$909.00

Payment Terms: Net 30
Pay From This Invoice.

*Remit Payment To: Colorado Analytical Lab
 P.O. Box 507
 Brighton, CO 80601*

*****We accept Mastercard and VISA*****

Invoices and results are sent via email only. If you have questions please call 303-659-2313.
 Records associated with samples submitted will be retained for 5 years from the date received.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
 Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke

Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke

Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	42.6 mg/L as CaCO ₃	SM 2320-B	0.1	12/16/19	ERL
Calcium as CaCO ₃	26.0 mg/L	EPA 200.7	0.1	12/16/19	MBN
Carbonate	< 0.1 mg/L as CaCO ₃	SM 2320-B	0.1	12/16/19	ERL
Hydroxide	< 0.1 mg/L as CaCO ₃	SM 2320-B	0.1	12/16/19	ERL
Langelier Index	-2.24 units	SM 2330-B		12/18/19	SAN
pH	6.42 units	SM 4500-H-B	0.01	12/12/19	MBN
Temperature	20 °C	SM 4500-H-B	1	12/12/19	MBN
Total Alkalinity	42.6 mg/L as CaCO ₃	SM 2320-B	0.1	12/16/19	ERL
Total Dissolved Solids	80 mg/L	SM 2540-C	5	12/17/19	ISG

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

Drinking Water Chain of Custody

2/2



LABORATORIES, INC.

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

Report To Information		Bill To Information (if different from report to)		State Form / Project Information	
Company Name: <u>DSS-Hydro</u>	Company Name: _____	PWSID: <u>N/A</u>	Address: <u>13935-Vermont</u>	City: <u>US</u>	State/Zip: <u>80601</u>
Contact Name: <u>Dave Schweserke</u>	Contact Name: _____	System Name: _____	City: <u>US</u>	State/Zip: <u>80601</u>	County: <u>El Paso</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____	Address: _____	City: <u>US</u>	State/Zip: <u>80601</u>	County: <u>El Paso</u>
City: <u>US</u>	City: _____	City: _____	City: _____	State/Zip: _____	County: _____
Phone: <u>719-277-1212</u>	Phone: _____	Phone: _____	County: <u>El Paso</u>	State/Zip: _____	County: _____
Fax: _____	Fax: _____	Fax: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	State/Zip: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Email: <u>d.schweserke@hydro.com</u>	Email: _____	Email: _____	PO No: _____	State/Zip: _____	
Sampler Name: <u>Stephane Schweserke</u>	PO No: _____				

Task Number: 191212008

CAL Task No. _____

PHASE I, II, V Drinking Water Analyses (check analysis)

Subcontract Analyses

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 THMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC DOC (Circle)	SUVA, UV 254 (Circle)	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
12/11	2:45pm	A11	2																										
	2:47pm	A13	2																										
	2:50pm	A14	2																										
	2:55pm	AK	2																										
	3:00pm	A11	2																										

Instructions:

29 + 2 blanks

C/S Info:

Seals Present Yes No Headspace Yes No

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/11 3:30pm</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/12/19</u>	Delivered Via: <u>Fedex</u>	CS Change: <input checked="" type="checkbox"/>	Temp. <u>4</u> °C/Ice <u>Y</u>	Received By: <u>[Signature]</u>	Sample Pres. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: _____
-------------------------------------	--------------------------------	---------------------------------	----------------------------	-----------------------------	--	--------------------------------	---------------------------------	--	------------------

New Groundwater Source Sampling Request

ARF

Field Measurements

pH
Turbidity
Conductivity

General Parameters

Total Organic Carbon
Sodium
Calcium
Magnesium
Potassium
Total Hardness – CaCO₃
Total Alkalinity
Bicarbonate Alkalinity
Strontium
Total Dissolved Solids (TDS)

Microbiological

Total Coliform
E.Coli

Radionuclides

Radium 226 and Radium 228
Gross alpha particle activity -
 Including Radium 226 but not radon &
 uranium
Beta particle and photon radioactivity

VOCs

Vinyl chloride
Benzene
Carbon tetrachloride
1,2-Dichloroethane
Trichloroethylene
1,1,1 Trichloroethane
1,1-Dichloroethylene
Cis-1,2 Dichloroethylene
1,2-Dichloropropane
Ethylbenzene
Monochlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
Styrene
Tetrachloroethylene
Toluene
Trans-1,2 Dichloroethylene
Xylenes (total)
Dichloromethane (methylene chloride)
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane

Inorganics

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Copper
Cyanide (as free Cyanide)
Fluoride
Iron
Lead
Manganese
Mercury
Nickel
Nitrate
Nitrite
Selenium
Thallium
Uranium

Secondary MCLs

Aluminum
Chloride
Silver
Sulfate
Zinc

Synthetic Organic Chemicals (SOC)

Alachlor
Aldibarb1
Aldicarb sulfoxide
Aldicarb sulfone
Altrazine
Carbofuran
Chlordane
Dibromochloropropane
2,4 D
Ethylene dibromide
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Polychlorinated biphenyls
Pentachlorophenol
Toxaphene
2,4,5-TP(Silvex)
Benzopyrene
Dalapon
Di(2-ethylhexyl) adipate
Di(2-ethylhexyl)phthalate
Dinoseb
Dioxin
Diquat
Endothall
Endrin
Glyphosate
Hexachlorobenzene
Hexachlorocyclopentadiene
Oxamyl (Vydate)
Picloram
Simazine

ARF

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008	Date Received: 12/12/19
Client PO:	Date Reported: 1/6/20
Client Project: Abeyta	Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Glyphosate	< 6.0 ug/L	EPA 547	6.0 ug/L	12/23/19	Outside Lab	700

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Drinking Water Chain of Custody

1/2



LABORATORIES, INC.

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
12860 W. Cedar Dr. Suite 100A
Lakewood CO 80228

Phone: 303-659-2313

www.coloradolab.com

Report To Information		Bill To Information (If different from report to)		Project Information	
Company Name: <u>FRS-Hydro</u>	Company Name: _____	Company Name: _____	PWSID: <u>N/A</u>	System Name: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Contact Name: <u>Dave Schwenke</u>	Contact Name: _____	Contact Name: _____	Send Results to CDPHE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Task Number (Lab Use Only)	CAL Task No. <u>191212008</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____	Address: _____	City: <u>CS</u>	State: <u>CO</u>	Zip: <u>80919</u>
City: <u>CS</u>	State: <u>CO</u>	Zip: <u>80919</u>	Phone: _____	Email: _____	PO Number: _____
Phone: <u>719-337-0572</u>	Sample Collector: <u>Stephanie Schwenke</u>	Sample Collector Phone: <u>719-331-5341</u>	PHASE I, II, V Drinking Water Analyses (check requested analysis)		
Email: <u>d.schwenke@frshydro.com</u>	ARR				

Date	Time	Client Sample ID / Sample Pt ID	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 (Circle)	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanide	Gross Alpha/Beta	Radium 226/228	Radon	Uranium	Page: 2 of 5
12/11	8:33am	#1	3																											
12/11	2:26pm	#2	1																											
12/11	2:28pm	#3	2																											
12/11	2:30pm	#4	1																											
12/11	2:31pm	#5	1																											
12/11	2:33pm	#6	2																											
12/11	2:37pm	#7	1																											
12/11	2:40pm	#8	1																											
12/11	2:43pm	#9	1																											
12/11	2:43pm	#10	2																											

Instructions: Please see enclosed doc. for call analysis's desired

Field pH 6.15

C/S Info:

Seals Present Yes No Headspace Yes No

Reinquired By: [Signature] Date/Time: 12/11 3:35pm Received By: [Signature] Date/Time: 12/12/19 Delivered Via: FedEx C/S Charge: Temp. °C/Ice: 4 Sample Pres. Yes No Date/Time: [Signature]

805

Drinking Water Chain of Custody

2/2



LABORATORIES, INC.

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

Report To Information		Bill To Information (if different from report to)		State Form / Project Information	
Company Name: <u>DSS-Hydro</u>	Company Name: _____	PWSID: <u>N/A</u>	Address: <u>13935-Vermont</u>	City: <u>CO</u>	State/Zip: <u>CO 80228</u>
Contact Name: <u>Dave Schweserke</u>	Contact Name: _____	System Name: _____	City: <u>CO</u>	State: <u>CO</u>	Zip: <u>80228</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____	Address: _____	County: <u>El Paso</u>	City: <u>CO</u>	State/Zip: <u>CO 80228</u>
City: <u>CO</u>	City: _____	City: _____	County: _____	City: _____	State/Zip: _____
Phone: <u>719-277-1212</u>	Phone: _____	Phone: _____	County: _____	City: _____	State/Zip: _____
Fax: _____	Fax: _____	Fax: _____	County: _____	City: _____	State/Zip: _____
Email: <u>d.schweserke@hydro.com</u>	Email: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	County: _____	City: _____	State/Zip: _____
Sampler Name: <u>Stephane Schweserke</u>	PO No.: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	County: _____	City: _____	State/Zip: _____

Task Number	CAL Task No.	PHASE I, II, V Drinking Water Analyses (check analysis)												Subcontract Analyses																		
<u>191212008</u>	<u>191212008</u>													Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium														
<u>Albrite ARF</u>		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 THMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC DOC (Circle)	SUVA, UV 254 (Circle)						
		12/1	2:45pm	A11	2																											
		12/1	2:47pm	A13	2																											
		12/1	2:50pm	A14	2																											
		12/1	2:55pm	A15	2																											
		12/1	3:00pm	A11	2																											
Instructions:		<u>29 + 2 blanks</u>																														
Relinquished By:		Date/Time:	Received By:		Date/Time:	Delivered Via:		Relinquished By:		Date/Time:	CS Change:		Date/Time:	Temp. Received By:		Date/Time:	Seals Present:		Headspace:		Sample Pres. Yes:		Date/Time:		Temp. Received By:		Date/Time:		Temp. Received By:		Date/Time:	
<u>[Signature]</u>		<u>12/1 3:30pm</u>	<u>[Signature]</u>		<u>12/12/19</u>	<u>Fedex</u>		<u>[Signature]</u>		<u>12/12/19</u>	<u>X</u>		<u>12/12/19</u>	<u>4</u>		<u>12/12/19</u>	<u>X</u>		<u>X</u>		<u>X</u>		<u>12/12/19</u>		<u>4</u>		<u>12/12/19</u>		<u>4</u>		<u>12/12/19</u>	

New Groundwater Source Sampling Request

ARF

Field Measurements

pH
Turbidity
Conductivity

General Parameters

Total Organic Carbon
Sodium
Calcium
Magnesium
Potassium
Total Hardness – CaCO₃
Total Alkalinity
Bicarbonate Alkalinity
Strontium
Total Dissolved Solids (TDS)

Microbiological

Total Coliform
E.Coli

Radionuclides

Radium 226 and Radium 228
Gross alpha particle activity -
 Including Radium 226 but not radon &
 uranium
Beta particle and photon radioactivity

VOCs

Vinyl chloride
Benzene
Carbon tetrachloride
1,2-Dichloroethane
Trichloroethylene
1,1,1 Trichloroethane
1,1-Dichloroethylene
Cis-1,2 Dichloroethylene
1,2-Dichloropropane
Ethylbenzene
Monochlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
Styrene
Tetrachloroethylene
Toluene
Trans-1,2 Dichloroethylene
Xylenes (total)
Dichloromethane (methylene chloride)
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane

Inorganics

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Copper
Cyanide (as free Cyanide)
Fluoride
Iron
Lead
Manganese
Mercury
Nickel
Nitrate
Nitrite
Selenium
Thallium
Uranium

Secondary MCLs

Aluminum
Chloride
Silver
Sulfate
Zinc

Synthetic Organic Chemicals (SOC)

Alachlor
Aldibarb1
Aldicarb sulfoxide
Aldicarb sulfone
Altrazine
Carbofuran
Chlordane
Dibromochloropropane
2,4 D
Ethylene dibromide
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Polychlorinated biphenyls
Pentachlorophenol
Toxaphene
2,4,5-TP(Silvex)
Benzopyrene
Dalapon
Di(2-ethylhexyl) adipate
Di(2-ethylhexyl)phthalate
Dinoseb
Dioxin
Diquat
Endothall
Endrin
Glyphosate
Hexachlorobenzene
Hexachlorocyclopentadiene
Oxamyl (Vydate)
Picloram
Simazine

ARF

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Chloride	1.6 mg/L	EPA 300.0	0.1 mg/L	12/12/19	MAT	
Fluoride	0.18 mg/L	EPA 300.0	0.09 mg/L	12/12/19	MAT	4
Nitrate Nitrogen	0.40 mg/L	EPA 300.0	0.05 mg/L	12/12/19	MAT	10
Nitrite Nitrogen	< 0.03 mg/L	EPA 300.0	0.03 mg/L	12/12/19	MAT	1
Sulfate	2.7 mg/L	EPA 300.0	0.1 mg/L	12/12/19	MAT	
Cyanide-Free	< 0.005 mg/L	EPA 335.4	0.005 mg/L	12/18/19	CES	
Dibromochloropropane	< 0.02 ug/L	EPA 504.1	0.02 ug/L	12/17/19	SPF	0.2
Ethylene dibromide	< 0.01 ug/L	EPA 504.1	0.01 ug/L	12/17/19	SPF	0.05
Aldrin	< 0.05 ug/L	EPA 505	0.05 ug/L	12/14/19	SPF	
Chlordane	< 0.2 ug/L	EPA 505	0.2 ug/L	12/14/19	SPF	2
Dieldrin	< 0.05 ug/L	EPA 505	0.05 ug/L	12/14/19	SPF	
Endrin	< 0.01 ug/L	EPA 505	0.01 ug/L	12/14/19	SPF	2
Heptachlor epoxide	< 0.02 ug/L	EPA 505	0.02 ug/L	12/14/19	SPF	0.2
Hexachlorobenzene	< 0.1 ug/L	EPA 505	0.1 ug/L	12/14/19	SPF	1
Hexachlorocyclopentadiene	< 0.1 ug/L	EPA 505	0.1 ug/L	12/14/19	SPF	50
Lindane	< 0.02 ug/L	EPA 505	0.02 ug/L	12/14/19	SPF	0.2
Methoxychlor	< 0.1 ug/L	EPA 505	0.1 ug/L	12/14/19	SPF	40
Polychlorinated biphenyl's	< 0.1 ug/L	EPA 505	0.1 ug/L	12/14/19	SPF	0.5
Toxaphene	< 1 ug/L	EPA 505	1 ug/L	12/14/19	SPF	3

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
2,4,5-TP	< 0.2 ug/L	EPA 515.4	0.2 ug/L	12/19/19	mbs	50
2,4,-D	< 0.1 ug/L	EPA 515.4	0.1 ug/L	12/19/19	mbs	70
Dalapon	< 1.0 ug/L	EPA 515.4	1.0 ug/L	12/19/19	mbs	200
Dicamba	< 0.5 ug/L	EPA 515.4	0.5 ug/L	12/19/19	mbs	
Dinoseb	< 0.2 ug/L	EPA 515.4	0.2 ug/L	12/19/19	mbs	7
Pentachlorophenol	< 0.04 ug/L	EPA 515.4	0.04 ug/L	12/19/19	mbs	1
Picloram	< 0.1 ug/L	EPA 515.4	0.1 ug/L	12/19/19	mbs	500
Alachlor	< 0.2 ug/L	EPA 525.2	0.2 ug/L	12/19/19	LEH	2
Atrazine	< 0.1 ug/L	EPA 525.2	0.1 ug/L	12/19/19	LEH	3
Benzo(a)pyrene	< 0.02 ug/L	EPA 525.2	0.02 ug/L	12/19/19	LEH	0.2
Butachlor	< 0.25 ug/L	EPA 525.2	0.25 ug/L	12/19/19	LEH	
Di(2-ethylhexyl)adipate	< 0.6 ug/L	EPA 525.2	0.6 ug/L	12/19/19	LEH	400
Di(2-ethylhexyl)phthalate	< 0.6 ug/L	EPA 525.2	0.6 ug/L	12/19/19	LEH	6
Heptachlor	< 0.04 ug/L	EPA 525.2	0.04 ug/L	12/19/19	LEH	0.4
Metolachlor	< 0.25 ug/L	EPA 525.2	0.25 ug/L	12/19/19	LEH	
Metribuzin	< 0.25 ug/L	EPA 525.2	0.25 ug/L	12/19/19	LEH	
Propachlor	< 0.25 ug/L	EPA 525.2	0.25 ug/L	12/19/19	LEH	
Simazine	< 0.07 ug/L	EPA 525.2	0.07 ug/L	12/19/19	LEH	4
3-Hydroxycarbofuran	< 0.5 ug/L	EPA 531.1	0.5 ug/L	1/3/20	MBS	
Aldicarb	< 0.6 ug/L	EPA 531.1	0.6 ug/L	1/3/20	MBS	
Aldicarb sulfone	< 1.0 ug/L	EPA 531.1	1.0 ug/L	1/3/20	MBS	

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
Aldicarb sulfoxide	< 0.7 ug/L	EPA 531.1	0.7 ug/L	1/3/20	MBS	
Carbaryl	< 0.5 ug/L	EPA 531.1	0.5 ug/L	1/3/20	MBS	
Carbofuran	< 0.9 ug/L	EPA 531.1	0.9 ug/L	1/3/20	MBS	40
Methomyl	< 0.5 ug/L	EPA 531.1	0.5 ug/L	1/3/20	MBS	
Oxamyl	< 1.0 ug/L	EPA 531.1	1.0 ug/L	1/3/20	MBS	200
Endothall	< 9 ug/L	EPA 548.1	9 ug/L	12/18/19	LEH	100
Diquat	< 0.4 ug/L	EPA 549.2	0.4 ug/L	12/16/19	Michael	20
1,1,1,2-Tetrachloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,1,1-Trichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	200
1,1,2,2-Tetrachloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,1,2-Trichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
1,1-Dichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,1-Dichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	7
1,1-Dichloropropene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,2,3-Trichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,2,3-Trichloropropane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,2,4-Trichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	70
1,2,4-Trimethylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,2-Dichloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
1,2-Dichloropropane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
1,3,5-Trimethylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,3-Dichloropropane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
1,3-Dichloropropene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Benzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
Bromobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Bromochloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Bromodichloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Bromoform	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Bromomethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Carbon Tetrachloride	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
Chlorodibromomethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Chloroethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Chloroform	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Chloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
cis-1,2-Dichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	70
Dibromomethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Dichlorodifluoromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Dichloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
Ethylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	700
Fluorotrichloromethane	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Hexachlorobutadiene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Isopropylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
m-Dichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Monochlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	100
Naphthalene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
n-Butylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
n-Propylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
o-Chlorotoluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
o-Dichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	600
Para-Dichlorobenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	75
p-Chlorotoluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
p-Isopropyltoluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
sec-Butylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Styrene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	100
tert-Butylbenzene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	
Tetrachloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
Toluene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	1000
Total Trihalomethanes	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	80
trans-1,2-Dichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	100
Trichloroethylene	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	5
Vinyl chloride	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	2
Xylenes (total)	< 0.5 ug/L	EPA-524.2	0.5 ug/L	12/19/19	LEH	10000
Total Organic Carbon	< 0.5 mg/L	SM 5310-C	0.5 mg/L	12/17/19	ISG	

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008
Client PO:
Client Project: Abeyta

Date Received: 12/12/19
Date Reported: 1/6/20
Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
<i>Total</i>						
Calcium	10.1 mg/L	EPA 200.7	0.1 mg/L	12/16/19	MBN	
Iron	< 0.005 mg/L	EPA 200.7	0.005 mg/L	12/16/19	MBN	0.3
Magnesium	1.44 mg/L	EPA 200.7	0.02 mg/L	12/16/19	MBN	
Potassium	1.2 mg/L	EPA 200.7	0.1 mg/L	12/16/19	MBN	
Sodium	8.0 mg/L	EPA 200.7	0.1 mg/L	12/16/19	MBN	N/A
Aluminum	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.05
Antimony	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.006
Arsenic	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.01
Barium	0.034 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	2
Beryllium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.004
Cadmium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.005
Chromium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.1
Copper	0.0625 mg/L	EPA 200.8	0.0008 mg/L	12/13/19	IPC	1.3
Lead	0.0008 mg/L	EPA 200.8	0.0001 mg/L	12/13/19	IPC	0.015
Manganese	< 0.0008 mg/L	EPA 200.8	0.0008 mg/L	12/13/19	IPC	0.05
Mercury	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/13/19	IPC	0.002
Nickel	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	N/A
Selenium	0.002 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.05
Silver	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/13/19	IPC	
Strontium	0.096 mg/L	EPA 200.8	0.005 mg/L	12/13/19	IPC	
Thallium	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	0.002

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Analytical Results

TASK NO: 191212008

Report To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Bill To: Doug Schwenke
Company: JDS Hydro Consultants
5540 Tech Center Dr.
Suite 100
Colorado Springs CO 80919

Task No.: 191212008	Date Received: 12/12/19
Client PO:	Date Reported: 1/6/20
Client Project: Abeyta	Matrix: Water - Drinking

Customer Sample ID Abeyta
Sample Date/Time: 12/11/19 2:28 PM
Lab Number: 191212008-01

Test	Result	Method	ML	Date Analyzed	Analyzed By	MCL
<i>Total</i>						
Uranium	< 0.0002 mg/L	EPA 200.8	0.0002 mg/L	12/13/19	IPC	0.03
Zinc	0.095 mg/L	EPA 200.8	0.001 mg/L	12/13/19	IPC	5
Total Hardness	31.2 mg/L as CaCO3	SM 2340-B	0.1 mg/L as CaCO3	12/16/19	MBN	

Abbreviations/ References:

ML = Minimum Level = LRL = RL
MCL = Maximum Contaminant Level per The EPA
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

Drinking Water Chain of Custody

1/2



LABORATORIES, INC.

Report To Information		Bill To Information (If different from report to)		Project Information	
Company Name: <u>FRS-Hydro</u>	Company Name: _____	Company Name: _____	PWSID: <u>N/A</u>	System Name: _____	Compliance Samples: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Contact Name: <u>Dave Schwenke</u>	Contact Name: _____	Contact Name: _____	Send Results to CDPHE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Task Number (Lab Use Only)	CAL Task No. <u>191212008</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____	Address: _____	City: <u>CS</u>	State: _____	Zip: _____
City: <u>CS</u>	State: <u>CO</u>	Zip: <u>80919</u>	Phone: _____	Task Number (Lab Use Only)	CAL Task No. <u>191212008</u>
Phone: <u>719-337-0572</u>	Phone: _____	Phone: _____	Email: _____	PO Number: _____	ARR
Email: <u>d.schwenke@frshydro.com</u>	Email: _____	Email: _____	Sample Collector: <u>Stephanie Schwenke</u>	Sample Collector Phone: <u>719-331-5341</u>	

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

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

Phone: 303-659-2313

www.coloradolab.com

Date	Time	Client Sample ID / Sample Pt ID	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 (Circle)	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanide	Gross Alpha/Beta	Radium 226/228	Radon	Uranium	Page 8 of 11
		Alberca																												
12/11	8:33am	#1	3																											
12/11	2:26pm	#2	1																											
12/11	2:28pm	#3	1																											
12/11	2:30pm	#4	1																											
12/11	2:31pm	#5	1																											
12/11	2:33pm	#6	1																											
12/11	2:37pm	#7	1																											
12/11	2:40pm	#8	1																											
12/11	2:43pm	#9	1																											
12/11	2:43pm	#10	1																											
Instructions:		Please see enclosed doc. for call analysis desired. No bottle verification. Field temp: 11.7°C. Field pH: 6.15																												
Reinquished By: <u>[Signature]</u>	Date/Time: <u>12/11 3:35pm</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/12/19</u>	Delivered Via: <u>FedEx</u>	Reinquished By: <u>[Signature]</u>	Date/Time: <u>12/12/19</u>	C/S Charge: <u>X</u>	Temp. °C/ice: <u>4</u>	Received By: <u>[Signature]</u>	Sample Pres. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: _____	Seals Present Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Headspace Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: _____																

Drinking Water Chain of Custody

2/2



LABORATORIES, INC.

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

Report To Information		Bill To Information (if different from report to)		State Form / Project Information	
Company Name: <u>DSS-Hydro</u>	Company Name: _____	PWSID: <u>N/A</u>	Address: <u>13935-Vermont</u>	City: <u>US</u>	State/Zip: <u>80601</u>
Contact Name: <u>Dave Schweserke</u>	Contact Name: _____	System Name: _____	City: <u>US</u>	State/Zip: <u>80601</u>	County: <u>El Paso</u>
Address: <u>5540 Tech Center Dr</u>	Address: _____		City: <u>US</u>	State/Zip: <u>80601</u>	
City: <u>US</u>	City: _____		County: <u>El Paso</u>		
State/Zip: <u>80601</u>	State Zip: _____				
Phone: <u>719-527-1212</u>	Phone: _____				
Fax: _____	Fax: _____				
Email: <u>d.schweserke@hydro.com</u>	Email: _____				
Sampler Name: <u>Stephane Schweserke</u>	PO No.: _____				
		Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

CAL Task No. 191212008

PHASE I, II, V Drinking Water Analyses (check analysis)

Subcontract Analyses

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 THMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC DOC (Circle)	SUVA, UV 254 (Circle)	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
12/1	2:45pm	A11	2																										
	2:47pm	A13	2																										
	2:50pm	A14	2																										
	2:55pm	AK	2																										
	3:00pm	A11	2																										

Instructions: 29 + 2 blanks

C/S Info:

Seals Present Yes No Headspace Yes No

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/11 3:30pm</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/12/19</u>	Delivered Via: <u>Fedex</u>	CS Change: <input checked="" type="checkbox"/>	Temp. <u>4</u> °C/Ice <u>Y</u>	Received By: <u>[Signature]</u>	Sample Pres. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: _____
-------------------------------------	--------------------------------	---------------------------------	----------------------------	-----------------------------	--	--------------------------------	---------------------------------	--	------------------

New Groundwater Source Sampling Request

ARF

Field Measurements

pH
Turbidity
Conductivity

General Parameters

Total Organic Carbon
Sodium
Calcium
Magnesium
Potassium
Total Hardness – CaCO₃
Total Alkalinity
Bicarbonate Alkalinity
Strontium
Total Dissolved Solids (TDS)

Microbiological

Total Coliform
E.Coli

Radionuclides

Radium 226 and Radium 228
Gross alpha particle activity -
 Including Radium 226 but not radon &
 uranium
Beta particle and photon radioactivity

VOCs

Vinyl chloride
Benzene
Carbon tetrachloride
1,2-Dichloroethane
Trichloroethylene
1,1,1 Trichloroethane
1,1-Dichloroethylene
Cis-1,2 Dichloroethylene
1,2-Dichloropropane
Ethylbenzene
Monochlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
Styrene
Tetrachloroethylene
Toluene
Trans-1,2 Dichloroethylene
Xylenes (total)
Dichloromethane (methylene chloride)
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane

Inorganics

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Copper
Cyanide (as free Cyanide)
Fluoride
Iron
Lead
Manganese
Mercury
Nickel
Nitrate
Nitrite
Selenium
Thallium
Uranium

Secondary MCLs

Aluminum
Chloride
Silver
Sulfate
Zinc

Synthetic Organic Chemicals (SOC)

Alachlor
Aldibarb1
Aldicarb sulfoxide
Aldicarb sulfone
Altrazine
Carbofuran
Chlordane
Dibromochloropropane
2,4 D
Ethylene dibromide
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Polychlorinated biphenyls
Pentachlorophenol
Toxaphene
2,4,5-TP(Silvex)
Benzopyrene
Dalapon
Di(2-ethylhexyl) adipate
Di(2-ethylhexyl)phthalate
Dinoseb
Dioxin
Diquat
Endothall
Endrin
Glyphosate
Hexachlorobenzene
Hexachlorocyclopentadiene
Oxamyl (Vydate)
Picloram
Simazine

ARF



Hazen Research, Inc.
4601 Indiana Street
Golden, CO 80403 USA
Tel: (303) 279-4501
Fax: (303) 278-1528

Lab Control ID: 19M03573
Received: Dec 16, 2019
Reported: Feb 20, 2020
Purchase Order No.
None Received

Customer ID: 20040H
Account ID: Z01034

Stuart Nielson
Colorado Analytical Laboratories, Inc.
10411 Heinz Way
Commerce City, CO 80640

ANALYTICAL REPORT

*Report may only be copied in its entirety.
Results reported herein relate only to discrete samples
submitted by the client. Hazen Research, Inc. does not warrant
that the results are representative of anything other than the
samples that were received in the laboratory*

By: 

Jessica Axen
Analytical Laboratories Director



Hazen Research, Inc.
 4601 Indiana Street
 Golden, CO 80403 USA
 Tel: (303) 279-4501
 Fax: (303) 278-1528

Lab Control ID: 19M03573
 Received: Dec 16, 2019
 Reported: Feb 20, 2020
 Purchase Order No.
 None Received

Customer ID: 20040H
 Account ID: Z01034

ANALYTICAL REPORT

Stuart Nielson
 Colorado Analytical Laboratories, Inc.

Lab Sample ID			19M03573-001					
Customer Sample ID			191212009-01 - Abeyta sampled on 12/11/19 @ 1426 by Stephanie S.					
Parameter	Units	Code	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Gross Alpha	pCi/L	T	2.2	1.7	0.1	SM 7110 B	12/19/19 @ 0815	SS
Gross Beta	pCi/L	T	<3.7	2.4	3.7	SM 7110 B	12/19/19 @ 0815	SS
Radium-226	pCi/L	T	0.6	0.2	0.1	SM 7500-Ra B	2/5/20 @ 1045	SA
Radium-228	pCi/L	T	2.2	0.9	0.3	EPA Ra-05	2/13/20 @ 0825	JR

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

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Residual (AR) = As Received < = Less Than

Batch QC Summary Form

Analyte: Gross Alpha

Control Standard/LFB: ID: C-11 pCi/mL: 57.4 (use 1 diluted)

Spike Solution: ID: C-11 pCi/mL: 57.4 (use 1 mL)

Spike Recovery Calculation: Sample: Tap*

$$\text{Calculation: } \frac{(54.7) (1.000) - (0.0) (0.200)}{57.4} \times 100 = 95\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 30 %	x		
Spike Recovery	70 - 130 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

19M03594 _____
19M03559 _____
19M03571 _____
19M03572 _____
19M03573 _____
19M03590 _____
19M03596 _____
19M03552 _____
19M03577 _____

Evaluator:

Lynnea Rockwell _____

12/20/2019

Date

Batch QC Summary Form

Analyte: Gross Beta

Control Standard/LFB: ID: C-11 pCi/mL: 44 (use 1 diluted)

Spike Solution: ID: C-11 pCi/mL: 44 (use 1 mL)

Spike Recovery Calculation: Sample: Tap*

$$\text{Calculation: } \frac{(38.5) - (1.000) - (0.0)}{44} \times 100 = 88\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

19M03594 _____
19M03559 _____
19M03571 _____
19M03572 _____
19M03573 _____
19M03590 _____
19M03596 _____
19M03552 _____
19M03577 _____

Evaluator:

Gynnea Rockwell _____

12/20/2019

Date

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: NBL-6A pCi/mL: 23 (use 2 diluted)

Spike Solution: ID: NBL-6A pCi/mL: 23 (use 2 mL)

Spike Recovery Calculation: Sample: 20M01235-002b

$$\text{Calculation: } \frac{(44.3) (1.000) - (0.0) (1.000)}{46} \times 100 = 96\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

20M01235 _____
19M03579 _____
19M03580 _____
19M03581 _____
19M03582 _____
19M03583 _____
19M03584 _____
19M03573 _____

Evaluator:

Gynnea Rockwell _____

02/10/2020

Date

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: NBL-7A pCi/mL: 13.2 (use 10 diluted)

Spike Solution: ID: NBL-7A pCi/mL: 13.2 (use 10 mL)

Spike Recovery Calculation: Sample: 19M03571-002d

Calculation:
$$\frac{(140.4) (1.000) - (0.9) (1.000)}{132} \times 100 = 106\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

19M03549 _____
20M01235 _____
19M03561 _____
19M03571 _____
19M03573 _____
19M03579 _____

Evaluator:
 _____

_____ 02/20/2020
 Date

