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Div of Waste Management
and Radiation Control

AUG 20 2020

DRC-2020-015492

August 17, 2020

Sent VIA OVERNIGHT DELIVERY

Mr. Ty L. Howard
Director of Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
P.O. Box 144880
Salt Lake City, UT 84114-4880

Re: Transmittal of 2nd Quarter 2020 Groundwater Monitoring Report
Groundwater Quality Discharge Permit UGW370004 White Mesa Uranium Mill

Dear Mr. Howard:

Enclosed are two copies of the White Mesa Uranium Mill Groundwater Monitoring Report for the 2nd Quarter of 2020 as required by the Groundwater Quality Discharge Permit UGW370004, as well as two CDs each containing a word searchable electronic copy of the report.

If you should have any questions regarding this report please contact me.

Yours very truly,

Kathy Weinel

ENERGY FUELS RESOURCES (USA) INC.
Kathy Weinel
Quality Assurance Manager

cc: William Paul Goranson
David C. Frydenlund
Scott Bakken
Logan Shumway
Terry Slade

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White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

2nd Quarter
(April through June)
2020

Prepared by:

Energy Fuels Resources (USA) Inc.
225 Union Boulevard, Suite 600
Lakewood, CO 80228

August 17, 2020

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ACRONYM LIST

AWAL	American West Analytical Laboratory
COC	Chain-of-Custody
DWMRC	Utah Division of Waste Management and Radiation Control
EFRI	Energy Fuels Resources (USA) Inc.
GEL	GEL Laboratories, Inc.
GWCLs	Groundwater Compliance Limits
GWDP	Groundwater Discharge Permit
LCS	Laboratory Control Spike
MS	Matrix Spike
MSD	Matrix Spike Duplicate
QA	Quality Assurance
QAP	Quality Assurance Plan
QC	Quality Control
RPD	Relative Percent Difference
SOPs	Standard Operating Procedures
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

This is the Routine Groundwater Monitoring Report, as required under Part I.F.1 of State of Utah Groundwater Discharge Permit No. UGW370004 (the "GWDP") for the second quarter of 2020 for Energy Fuels Resources (USA) Inc.'s. ("EFRI's") White Mesa Uranium Mill (the "Mill"). As required under Parts I.E.1, I.E.2, I.E.3, and I.E.5 of the GWDP, this Report includes recorded field measurements and laboratory analyses for well monitoring conducted during the quarter.

2.0 GROUNDWATER MONITORING

2.1 Samples and Measurements Taken During the Quarter

A map showing the location of groundwater monitoring wells, piezometers, existing wells, chloroform contaminant investigation wells and nitrate contaminant investigation wells is attached under Tab A. Groundwater samples and measurements were taken during this reporting period, as discussed in the remainder of this section.

2.1.1 Groundwater Compliance Monitoring

Groundwater samples and field measurements collected during the quarter included quarterly, semi-annual and accelerated monitoring. Accelerated monitoring is discussed below in Section 2.1.2. In this report, samples classified as being collected quarterly include those wells which are routinely sampled every quarter and the wells sampled semi-annually. Wells which are sampled routinely every quarter and semi-annually were analyzed for the parameters listed in Table 2 and Part I.E.1.d) 2)ii of the GWDP.

Table 1 of this report provides an overview of wells sampled during the current period, along with the required sampling frequency applicable to each well during the current monitoring period, the date samples were collected from each well, and the date(s) analytical data were received from the contract laboratory(ies). Table 1 also indicates which sample numbers are associated with the required duplicates.

2.1.2 Accelerated Groundwater Monitoring

Accelerated monthly sampling was also performed (quarterly wells accelerated to monthly), and results reported, for the wells indicated in Table 1. The accelerated sampling frequency, analyte list and well list were determined based on the previous analytical results as shown in Table 2.

Table 1 provides an overview of the wells sampled for the accelerated monthly program along with the routine sampling frequency as well as the accelerated sampling frequency, the date samples were collected from each well, the associated duplicates and the date(s) which analytical data were received from the contract laboratory(ies).

2.1.3 Background Well Monitoring

Monitor wells MW-38, MW-39, and MW-40 were installed in the first quarter 2018 pursuant to the GWDP Part 1.H.2 and quarterly sampling commenced in fourth quarter 2018. The GWDP Part 1.H.3 requires the completion of a background report for each of these wells after the completion of 8 quarters of sampling. The background reports and resultant Groundwater Compliance Limits ("GWCLs") are to be calculated based on 8 statistically valid data points.

The statistical methods used for the background assessments and calculation of the GWCLs will be calculated as described in the GWDP Part 1.H.3.c).1), as approved by the Utah Division of Waste Management and Radiation Control ("DWMRC").

The second quarter analytical results for MW-38, MW-39, and MW-40 are included in Tab E.

2.1.4 TW4-24

Pursuant to the GWDP, Part 1.E.1.c).ii, semi-annual monitoring of TW4-24 commenced in the second quarter of 2018. TW4-24 is currently used as a pumping well for the nitrate corrective action, is located within the chloroform plume, and is expected to exceed groundwater quality standards for analytes associated with these projects. It is expected that monitoring results will be highly variable as a result of the pumping and should not be used for direct compliance purposes. Rising or decreasing trends in analytes caused solely by pumping should not be unexpected. Further, as background cannot be established for this pumping well, and given the variability of background concentrations across the site, analyte concentrations in TW4-24 may also vary widely from site ranges due to natural background variability and/or localized changes resulting from long-term pumping.

2.1.5 Parameters Analyzed

Routine quarterly groundwater monitoring samples were analyzed for the parameters listed in Table 2 and Part I.E.1.d) 2) ii of the GWDP. The accelerated monitoring samples were analyzed for a more limited and specific parameter list as shown in Table 2.

2.1.6 Groundwater Head Monitoring

Depth to groundwater was measured in the following wells and/or piezometers, pursuant to Part I.E.3 of the GWDP:

- The quarterly groundwater compliance monitoring wells (including MW-33 and MW-34).
- Existing monitoring well MW-4 and the temporary chloroform investigation wells.

- Piezometers – P-1, P-2, P-3A, P-4 and P-5.

- Nitrate monitoring wells.

- The DR piezometers which were installed during the Southwest Hydrogeologic Investigation.

- In addition to the above, depth to water measurements are routinely observed in conjunction with sampling events for wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.

Water levels used for groundwater contour mapping were measured and recorded within 5 calendar days of each other as indicated by the measurement dates in the summary sheet under Tab D.

2.2 Field Data

Attached under Tab B are copies of field data sheets recorded in association with the quarterly effort for the groundwater compliance monitoring wells referred to in paragraph 2.1.1, above. Sampling dates are listed in Table 1.

Attached under Tab C are copies of the field data sheets recorded in association with the accelerated monthly monitoring sampling efforts, referred to in paragraph 2.1.2, above. Sampling dates are listed in Table 1.

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

Analytical results are provided by two contract analytical laboratories: GEL and AWAL.

Table 1 lists the dates when analytical results were reported to the Quality Assurance ("QA") Manager for each well.

Results from analysis of samples collected under the GWDP (i.e., regular quarterly and accelerated semi-annual samples) are provided in Tab E. Also included under Tab E are the results of analyses for duplicate samples as identified in Table 1.

2.3.2 Regulatory Framework and Groundwater Background

Under the GWDP, background groundwater quality has been determined on a well-by-well basis, as defined by the statistics contained in the Decision Tree/Flowchart used for the previous Background Reports that was conditionally approved by the DWMRC on August 24, 2007. GWCLs that reflect this background groundwater quality have been set for compliance monitoring wells.

Exceedances of the GWCLs during the preceding quarter determined the accelerated monthly monitoring program implemented during this quarter as noted in Tables 1 and 2.

Exceedances of the GWCLs for this quarter are listed in Table 2 for sampling required under the revised GWDP. Accelerated requirements resulting from this quarter are highlighted for ease of reference. Table 3 documents the accelerated sampling program and shows the results and frequency of the accelerated sampling conducted.

It should be noted, however, that, because the GWCLs have been set at the mean plus second standard deviation, or the equivalent, un-impacted groundwater would normally be expected to exceed the GWCLs approximately 2.5% of the time. Therefore, exceedances are expected in approximately 2.5% of sample results, and do not necessarily represent impacts to groundwater from Mill operations. In fact, more frequent sampling of a given analyte will increase the number of exceedances due to statistical variation and not due to Mill activity. Additionally, given the slow velocity of groundwater movement, accelerated sampling monthly may result in resampling of the same water and may lead to repeat exceedances for accelerated constituents not due to Mill activities, but due to repeat sampling of the same water.

2.4 Laboratory Results – Accelerated Monitoring

2.4.1 Copy of Laboratory Results

Results from analysis of samples collected for the monthly accelerated sampling (i.e. quarterly accelerated to monthly) are provided in Tab F. Also included under Tab F are the results of analyses for duplicate samples for this sampling effort, as identified in Table 1.

2.4.2 Regulatory Framework and Groundwater Background

As a result of the issuance of a revised GWDP on March 19, 2019, which sets revised GWCLs, requirements to perform accelerated monitoring under Part I.G.1 of the previous GWDP ceased, effective March 19, 2019, and the effect of the issuance of the revised GWDP was to create a "clean slate" for most constituents going forward.

This means that accelerated monitoring during this quarter was required under the revised GWDP for only those constituents that exceeded the GWCLs since March 19, 2019.

2.4.3 Compliance Status

Analytes that have exceeded the GWCLs set forth in the GWDP are summarized in Table 2. The analytes which exceeded their respective GWCLs during the quarter will be sampled on an accelerated schedule as noted in Table 2. A review of the accelerated data collected during the quarter is reported in EFRI's Exceedance Notice for the quarter.

Part I.G.4 c) of the GWDP states, with respect to exceedances of GWCLs, "The Permittee shall prepare and submit within 30 calendar days to the Executive Secretary a plan and a time schedule for assessment of the sources, extent and potential dispersion of the contamination, and an evaluation of potential remedial action to restore and maintain groundwater quality to insure that Permit limits will not be exceeded at the compliance monitoring point and that DMT or BAT will be reestablished." EFRI submits an Exceedance Notice quarterly and the summary in the Exceedance Notice includes, for each exceedance, a brief discussion of whether such a plan and schedule is required at this time in light of other actions currently being undertaken by EFRI. The determination of whether a Plan and Time Schedule is required is based on discussions with DWMRC Staff in teleconferences on April 27 and May 2, 2011 and the constituents covered by previously submitted Source Assessment Reports.

2.5 Depth to Groundwater and Water Table Contour Map

As stated above, a listing of groundwater level readings for the quarter (shown as depth to groundwater in feet) is included under Tab D. The data from Tab D has been interpreted (kriged) and plotted in a water table contour map, provided under Tab H.

The water table contour map provides the location and identity of the wells and piezometers for which depth to groundwater is recorded. The groundwater elevation at each well and piezometer, measured in feet above mean sea level, and isocontour lines to delineate groundwater flow directions observed during the quarter's sampling event are displayed on the map.

3.0 QUALITY ASSURANCE AND DATA VALIDATION

The Mill QA Manager performed a QA/QC review to confirm compliance of the monitoring program with requirements of the Groundwater Monitoring Quality Assurance Plan ("QAP"). As required in the QAP, data QA includes preparation and analysis of QC samples in the field, review of field procedures, an analyte completeness review, and quality control review of laboratory data methods and data. Identification of field QC samples collected and analyzed is provided in Section 3.1. Discussion of adherence to Mill sampling Standard Operating Procedures ("SOPs") is provided in Section 3.2. Analytical completeness review results are provided in Section 3.3. The steps and tests applied to check laboratory data QA/QC are discussed in Sections 3.4.4 through 3.4.9 below.

The Analytical Laboratories have provided summary reports of the analytical QA/QC measurements necessary to maintain conformance with National Environmental Laboratory Accreditation Conference certification and reporting protocol. The analytical laboratory QA/QC Summary Reports, including copies of the Mill's COC and Analytical Request Record forms for each set of Analytical Results, follow the analytical results under Tabs E and F. Review of the laboratory QA/QC information is provided under Tab G.

3.1 Field QC Samples

The following field QC samples were generated by Mill personnel and submitted to the analytical laboratory in order to assess the quality of data resulting from the field sampling program:

Two duplicate samples were collected during quarterly sampling as indicated in Table 1. The QC samples were sent blind to the analytical laboratory and analyzed for the same parameters as permit-required samples.

One duplicate sample was collected during each month of accelerated sampling as indicated in Table 1. The QC samples were sent blind to the analytical laboratory and analyzed for the same accelerated parameters as the parent sample.

Three trip blanks were provided by AWAL and returned and analyzed with the quarterly monitoring samples.

One trip blank for each of the monthly accelerated sample events was provided by AWAL and returned and analyzed with the accelerated monthly monitoring samples.

Rinsate samples were not collected during the quarter because equipment used during sample collection was dedicated and did not require decontamination. All wells except MW-20, MW-37 and MW-38 have dedicated pumps for purging and sampling and as such no rinsate blanks samples are required. MW-20, MW-37 and MW-38 were purged and sampled with a disposable bailer and no rinsate blank was required. A deionized field blank was not required because equipment decontamination was not required and deionized water was not used during this sampling event.

3.2 Adherence to Mill Sampling SOPs

On a review of adherence by Mill personnel to the existing sampling SOPs, the QA Manager observed that QA/QC requirements established in the QAP were met and that the SOP's were implemented as required.

3.3 Analyte Completeness Review

Analyses required by the GWDP for the quarterly and semi-annual wells were performed. The accelerated sampling for the semi-annual wells (semi-annual to quarterly) was completed as required by the GWDP and as shown in Tables 2 and 3. The accelerated quarterly sampling (quarterly to monthly) required for this quarter, as shown in Tables 2 and 3, was performed as required.

The monthly accelerated sampling program shown on Tables 2 and 3 is required as a result of exceedances in quarterly well monitoring results reported in previous quarters.

3.4 Data Validation

The QAP and GWDP identify the data validation steps and data quality control checks required for the groundwater monitoring program. Consistent with these requirements, the QA Manager completed the following evaluations: a field data QA/QC evaluation, a receipt temperature check, a holding time check, an analytical method check, a reporting limit check, a trip blank check, a QA/QC evaluation of routine sample duplicates, a QA/QC evaluation of accelerated sample duplicates, a gross alpha counting error evaluation and a review of each laboratory's reported QA/QC information. Each evaluation is discussed in the following sections. Data check tables indicating the results of each test are provided under Tab G.

3.4.1 Field Data QA/QC Evaluation

The QA Manager performs a review of field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and the stability of the following field parameters (based upon the purging method chosen): specific conductance, pH, temperature, redox potential, and turbidity. Stability of field parameters and well sampling techniques are dependent on the purging technique employed. Review of the Depth to Water data confirms that depth measurements were conducted within a five-day period. The results of this quarter's review are provided in Tab G.

There are three purging strategies specified in the QAP that are used to remove stagnant water from the casing during groundwater sampling at the Mill. The three strategies are as follows:

1. Purging three well casing volumes with a single measurement of field parameters
2. Purging two casing volumes with stable field parameters (within 10% [Relative Percent Difference] ("RPD"))
3. Purging a well to dryness and stability (within 10% RPD) of a limited list of field parameters after recovery

During both the quarterly sampling event and the two monthly events, the purging technique used was two casing volumes with stable field parameters (pH, Conductivity, Redox, temperature and turbidity) except for the following wells that were purged to dryness after 2 casing volumes were removed: MW-03A, and MW-23.

Based upon the review of the Field Data Sheets, quarterly and semi-annually sampled locations conformed to the QAP requirement for purging using the two casing volume technique except for MW-20, MW-24, MW-37 and MW-38. MW-20, MW-24, MW-37 and MW-38 were evacuated to dryness before two casing volumes could be removed. MW-20, MW-24, MW-37 and MW-38 have insufficient water to purge using a pump. Due to the small volume of water present, these wells are purged and sampled using a

disposable bailer. MW-20, MW-24, MW-37 and MW-38 conformed to the QAP, requirement for sampling low yield wells which includes the collection of three field parameters (pH, specific conductance ["conductivity"] and temperature) immediately prior to and immediately following sample collection. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP. MW-03A, and MW-23, were purged to dryness after 2 casing volumes were removed and the low yield sampling procedures were used for the collection of field parameters. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP for well MW-03A, and MW-23.

Additionally, two casing volumes were not purged from MW-26 and TW4-24, prior to sampling because MW-26 and TW4-24 are continuously pumped wells. If a well is continuously pumped, it is pumped on a set schedule per the remediation plan and is considered sufficiently evacuated to immediately collect a sample; however, if a pumping well has been out of service for 48 hours or more, EFRI follows the purging requirements outlined in Attachment 2-3 of the QAP.

The review of the field sheets for compliance with QAP requirements resulted in the observations noted below. The QAP requirements in Attachment 2-3 specifically state that field parameters must be stabilized to within 10% over at least two consecutive measurements. The QAP Attachment 2-3 states that turbidity should be less than 5 NTU prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP Attachment 2-3 does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements greater than 5 NTU below are included for information purposes only.

- Turbidity measurements were less than 5 NTU for the quarterly and semi-annual wells except MW-17, MW-24A, MW-25, MW-26, MW-29, MW-32, and TW4-24. Per the QAP, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.

- Turbidity measurements were less than 5 NTU for the accelerated sampling wells except MW-11 and MW-25 in the June monthly event. As previously noted, the QAP does not require that turbidity be less than 5 NTU. Turbidity measurements prior to sampling were within a 10% RPD for the accelerated sampling wells

The other field parameters (conductance, pH, redox potential, dissolved oxygen [DO] and temperature) for the wells were within the required RPD for the quarterly, semi-annual and accelerated sampling.

During review of the field data sheets, it was observed that sampling personnel consistently recorded depth to water for the quarterly, semi-annual and accelerated sampling programs to the nearest 0.01 foot.

EFRI's letter to DWMRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to

DWMRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI has completed a monitoring well redevelopment program. The redevelopment report was submitted to DWMRC on September 30, 2011. DWMRC responded to the redevelopment report via letter on November 15, 2012. Per the DWMRC letter dated November 15, 2012, the field data generated this quarter is compliant with the turbidity requirements of the approved QAP.

3.4.2 Holding Time Evaluation

QAP Table 1 identifies the method holding times for each suite of parameters. Sample holding time checks are provided under Tab G. The samples were received and analyzed within the required holding time.

3.4.3 Receipt Temperature Evaluation

COC sheets were reviewed to confirm compliance with the QAP requirement in Table 1 that samples be received at 6°C or lower. Sample receipt temperature checks are provided under Tab G. The quarterly, semi-annual and accelerated samples were received within the required temperature limit.

As noted in Tab G, samples for gross alpha analyses were shipped without using ice. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

3.4.4 Analytical Method Checklist

The analytical methods reported by both laboratories were checked against the required methods specified in the QAP. Analytical method check results are provided in Tab G. The review indicated that the quarterly, semi-annual and accelerated samples were analyzed in accordance with Table 1 of the QAP.

3.4.5 Reporting Limit Evaluation

The analytical method RLs reported by both laboratories were checked against the RLs specified in the QAP Table 1. RL evaluations are provided in Tab G. The analytes were measured and reported to the required RLs except that several sets of quarterly, semi-annual and accelerated sample results had the RL raised for at least one analyte due to matrix interference and/or sample dilution as noted in Section 3.4.9. In all cases the reported value for the analyte was higher than the increased RL.

3.4.6 Trip Blank Evaluation

The trip blank results were reviewed to identify any VOC sample contamination which is the result of sample handling and shipment. Trip blank evaluations are provided in Tab G. The trip blank results associated with the quarterly, semi-annual and accelerated samples were all nondetect for VOCs.

3.4.7 QA/QC Evaluation for Routine Sample Duplicates

Section 9.1.4 a) of the QAP states that RPDs will be calculated for the comparison of duplicate and original field samples. The QAP acceptance limits for RPDs between the duplicate and original field sample is less than or equal to 20% unless the measured results are less than 5 times the detection limit. This standard is based on the EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994, 9240.1-05-01 as cited in the QAP. The RPDs are calculated for the duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data will be considered noncompliant only when the results are greater than 5 times the required detection limit and the RPD is greater than 20%. The additional duplicate information is provided for information purposes.

Field duplicate sample results were assessed as required by the SOP. Duplicate results were within the acceptance limits specified in the QAP Field duplicate results are shown in Attachment G.

The duplicate results were within a 20% RPD in the monthly accelerated samples. Results of the RPD test are provided under Tab G.

3.4.8 Radiologics Counting Error and Duplicate Evaluation

Section 9.14 of the QAP requires that when gross alpha results are reported with an activity equal to or greater than the GWCL the counting variance shall be equal to or less than 20% of the reported activity concentration. An error term may be greater than 20% of the reported activity concentration when the sum of the activity concentration and error term is less than or equal to the GWCL. The quarterly and semi-annual radiologic sample results met the counting error requirements specified in the QAP except as noted in Tab G. The results for MW-22, MW-31, and MW-36, did not meet the requirement that the counting error be equal to or less than 20% of the reported activity concentration, likely because the reported concentrations are very near the RL. As stated above the error term may be greater than 20% of the reported activity concentration when the sum of the activity concentration and error term is less than or equal to the GWCL; however, MW-MW-22, does not have a GWCL and this second level check cannot be performed. MW-31 and MW-36 passed the secondary check. The results are usable for the intended purpose and there is no adverse effect on the data.

Section 9.4 of the QAP also requires a comparability check between the sample and field duplicate sample results utilizing the formula provided in the text.

All of the radiologic duplicates were within acceptance limits. Results of quarterly, semi-annual, and accelerated radiologic sample QC are provided under Tab G.

3.4.9 Other Laboratory QA/QC

Section 9.2 of the QAP requires that the laboratory's QA/QC Manager check the following items in developing data reports: (1) sample preparation information is correct and complete, (2) analysis information is correct and complete, (3) appropriate analytical laboratory procedures are followed, (4) analytical results are correct and complete, (5) QC samples are within established control limits, (6) blanks are within QC limits, (7) special sample preparation and analytical requirements have been met, and (8) documentation is complete. In addition to other laboratory checks described above, EFRI's QA Manager rechecks QC samples and blanks (items (5) and (6)) to confirm that the percent recovery for spikes and the relative percent difference for spike duplicates are within the method-specific required limits, or that the case narrative sufficiently explains any deviation from these limits. Results of this quantitative check are provided under Tab G. The lab QA/QC results from both GEL and AWAL samples for compounds regulated under the GWDP met these requirements.

The check samples included at least the following: a method blank, a laboratory control spike ("LCS"), a matrix spike ("MS") and a matrix spike duplicate ("MSD"), or the equivalent, where applicable. It should be noted that:

- Laboratory fortified blanks are equivalent to LCSs.
- Laboratory reagent blanks are equivalent to method blanks.
- Post digestion spikes are equivalent to MSs.
- Post digestion spike duplicates are equivalent to MSDs.
- Laboratory Duplicates are equivalent to MSDs.

The qualifiers, and the corresponding explanations reported in the QA/QC Summary Reports for the check samples for the analytical methods were reviewed by the QA Manager.

The QAP, Section 8.1.2 requires that a MS/MSD pair be analyzed with each analytical batch. The QAP does not specify acceptance limits for the MS/MSD pair, and the QAP does not specify that the MS/MSD pair be prepared on EFRI samples only. Acceptance limits for MS/MSDs are set by the laboratories. The review of the information provided by the laboratories in the data packages verified that the requirements in the QAP to analyze a MS/MSD pair with each analytical batch were met. While the QAP does not require it, the recoveries were reviewed for compliance with the laboratory established acceptance limits. The QAP does not require this level of review and the results of this review are provided for information only.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the quarterly and semi-annual samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab G. The data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most

likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the QAP to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAP.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the accelerated samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab G. The data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the QAP to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAP.

The QAP specifies that surrogate compounds shall be employed for all organic analyses but the QAP does not specify acceptance limits for surrogate recoveries. The information from the Laboratory QA/QC Summary Reports indicates that the surrogate recoveries for the quarterly and accelerated samples were within acceptable laboratory limits for the surrogate compounds.

The information from the Laboratory QA/QC Summary Reports indicates that the LCS recoveries for both the quarterly and accelerated samples were within acceptable laboratory limits.

The QAP, Section 8.1.2 requires that each analytical batch shall be accompanied by a method blank. The analytical batches routinely contain a blank, which is a blank sample made and carried through all analytical steps. For the Mill samples, a method blank was prepared for the analytical methods. Per the approved QAP, contamination detected in analysis of method blanks will be used to evaluate any analytical laboratory contamination of environmental samples. The QAP states that non-conformance conditions will exist when contaminant levels in the samples(s) are not an order of magnitude greater than the blank result. The quarterly, semi-annual and accelerated method blank results were nondetect.

It should be noted that AWAL noted a zinc detection in a filter blank included in the analytical batch 2004553. This blank contamination does not affect the Mill groundwater samples because the filter blank is associated with the filter used for Toxicity Characterization Leaching Procedure ("TCLP") samples. Mill samples are not filtered by the lab during processing and the zinc results are not applicable to Mill groundwater samples.

Method blank results are included in Tab E and Tab F.

Laboratory duplicates are completed by the analytical laboratories as required by the analytical method specifications. Acceptance limits for laboratory duplicates are set by the laboratories. The QAP does not require the completion of laboratory duplicates or the

completion of a QA assessment of them. EFRI reviews the QC data provided by the laboratories for completeness and to assess the overall quality of the data provided. Duplicate results for the quarterly, semi-annual and accelerated samples outside of the laboratory established acceptance limits are included in Tab G. The results outside of the laboratory established acceptance limits do not affect the quality or usability of the data because the RPDs above the acceptance limits are indicative of non-homogeneity in the sample matrix. Matrix affects are applicable to the individual sample results only.

The information from the Laboratory QA/QC Summary Reports indicates that there was a high Continuing Calibration Verification ("CCV") recovery for chloromethane in analytical batch 2004452 and acetone and chloromethane in analytical batch 2004553. The high CCV does not affect the usability of the data because all results for chloromethane and acetone were non-detect. The data were flagged in accordance with the changes specified in EPA Method 8260D. The data are usable and are not adversely affected by the high CCV.

4.0 CORRECTIVE ACTION REPORT

There are no corrective actions required during the current monitoring period.

4.1 Assessment of Corrective Actions from Previous Period

No corrective actions were identified in the previous report.

5.0 TIME CONCENTRATION PLOTS

Time concentration plots for each monitoring well for the following constituents: chloride, fluoride, sulfate, and uranium, are included under Tab I. The data points collected to date are reflected on the plots.

Time concentration plots included with quarterly groundwater reports prior to and including first quarter 2012 did not include data that were determined to be outliers using the statistical methods used for the background determinations at the Mill. Based on conversations with DWMRC, all of the data have been included in the quarterly time concentration plots since first quarter 2012.

6.0 ELECTRONIC DATA FILES AND FORMAT

EFRI has provided to the Director electronic copies of the laboratory results from groundwater quality monitoring conducted during the quarter in Comma Separated Values format, from the analytical laboratories. A copy of the transmittal e-mail is included under Tab J.

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc.

Energy Fuels Resources (USA) Inc.

By:

Scott Bakken Digitally signed by Scott Bakken
Date: 2020.08.17 19:53:28 -06'00'

Scott A. Bakken
Senior Director Regulatory Affairs

Date

Certification:

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Scott Bakken Digitally signed by Scott Bakken
Date: 2020.08.17 19:53:54
-06'00'

Scott A. Bakken
Senior Director Regulatory Affairs
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for the Quarter

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	General Monitoring Well	04/15/20	(5/7/20) [5/12/20]
MW-02	Semi-annually	Semi-annually	04/07/20	(5/4/20) [5/11/20]
MW-03A	Semi-annually	Semi-annually	04/13/20	(5/7/20) [5/12/20]
MW-05	Semi-annually	Semi-annually	04/08/20	(5/4/20) [5/11/20]
MW-11	Quarterly	Quarterly	04/08/20	(5/4/20) [5/11/20]
MW-12	Semi-annually	Semi-annually	04/09/20	(5/4/20) [5/11/20]
MW-14	Quarterly	Quarterly	04/06/20	(5/4/20) [5/11/20]
MW-15	Semi-annually	Semi-annually	04/07/20	(5/4/20) [5/11/20]
MW-17	Semi-annually	Semi-annually	04/13/20	(5/7/20) [5/12/20]
MW-18	Semi-annually	General Monitoring Well	01/14/20	(5/7/20) [5/12/20]
MW-19	Semi-annually	General Monitoring Well	04/13/20	(5/7/20) [5/12/20]
MW-20	Semi-annually	General Monitoring Well	04/21/20	(5/8/20) [5/21/20]
MW-22	Semi-annually	General Monitoring Well	04/15/20	(5/7/20) [5/12/20]
MW-23	Semi-annually	Semi-annually	04/21/20	(5/8/20) [5/21/20]
MW-24	Semi-annually	Semi-annually	04/22/20	(5/8/20) [5/21/20]
MW-24A	Semi-annually	Semi-annually	04/14/20	(5/7/20) [5/12/20]
MW-25	Quarterly	Quarterly	04/07/20	(5/4/20) [5/11/20]
MW-26	Quarterly	Quarterly	04/08/20	(5/4/20) [5/11/20]
MW-27	Semi-annually	Semi-annually	04/08/20	(5/4/20) [5/11/20]
MW-28	Semi-annually	Semi-annually	04/15/20	(5/7/20) [5/12/20]
MW-29	Semi-annually	Semi-annually	04/08/20	(5/4/20) [5/11/20]
MW-30	Quarterly	Quarterly	04/06/20	(5/4/20) [5/11/20]
MW-31	Quarterly	Quarterly	04/06/20	(5/4/20) [5/11/20]
MW-32	Semi-annually	Semi-annually	04/07/20	(5/4/20) [5/11/20]
MW-35	Semi-annually	Semi-annually	04/09/20	(5/4/20) [5/11/20]
MW-36	Quarterly	Quarterly	04/09/20	(5/4/20) [5/11/20]
MW-37	Semi-annually	Semi-annually	04/21/20	(5/8/20) [5/21/20]
MW-38	Background	Background	04/22/20	(5/8/20) [5/21/20]
MW-39	Background	Background	04/15/20	(5/7/20) [5/12/20]
MW-40	Background	Background	04/14/20	(5/7/20) [5/12/20]
TW4-24	Semi-annually	General Monitoring Well	04/08/20	(5/4/20) [5/11/20]
MW-65	1 per Batch	Duplicate of MW-05	04/08/20	(5/4/20) [5/11/20]
MW-70	1 per Batch	Duplicate of MW-39	04/15/20	(5/7/20) [5/12/20]
Accelerated May Monthly				
MW-11	Monthly	Accelerated	05/05/20	(5/28/20)
MW-14	Monthly	Accelerated	05/05/20	(5/28/20)
MW-25	Monthly	Accelerated	05/06/20	(5/28/20)
MW-26	Monthly	Accelerated	05/06/20	(5/28/20)
MW-30	Monthly	Accelerated	05/06/20	(5/28/20)
MW-31	Monthly	Accelerated	05/05/20	(5/28/20)
MW-36	Monthly	Accelerated	05/05/20	(5/28/20)
MW-65	1 per Batch	Duplicate of MW-30	05/06/20	(5/28/20)
Accelerated June Monthly				
MW-11	Monthly	Accelerated	06/02/20	(6/22/20)
MW-14	Monthly	Accelerated	06/02/20	(6/22/20)
MW-25	Monthly	Accelerated	06/03/20	(6/22/20)
MW-26	Monthly	Accelerated	06/03/20	(6/22/20)
MW-30	Monthly	Accelerated	06/03/20	(6/22/20)
MW-31	Monthly	Accelerated	06/02/20	(6/22/20)
MW-36	Monthly	Accelerated	06/02/20	(6/22/20)
MW-65	1 per Batch	Duplicate of MW-25	06/02/20	(6/22/20)

Notes:

Multiple dates shown for a single laboratory depict resubmission dates for the data. Resubmissions were required to correct reporting errors. When multiple dates are shown for a single laboratory, the final submission date is shown in italics.

Dates in parenthesis depicts the date that data was reported by American West Laboratories (AWAL).

Dates in brackets are the date and data reported by GEL Laboratories.

Table 2
Exceedances and Acceleration Requirements

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	First Result Exceeding the GWCL	Routine Sample Frequency	Accelerated Frequency	Exceedance Sample Period	Start of Accelerated Monitoring
Quarterly Wells Accelerated to Monthly Sampling							
MW-11 (Class II)	Manganese (ug/L)	164.67	174	Quarterly	Monthly	Q2 2018	Q3 2018 (September)
	Chloride (mg/L)	39.16	48.4	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
	Sulfate (mg/L)	1309	1410	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
MW-14 (Class III)	Sulfate (mg/L)	2330	2450	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
	Fluoride (mg/L)	0.22	0.248	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
MW-25 (Class III)	Cadmium (ug/L)	1.5	1.52	Quarterly	Monthly	Q1 2020	May 2020
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1.3	Quarterly	Monthly	Q1 2010	May 2010
	Chloroform (ug/L)	70	700	Quarterly	Monthly	Q1 2010	May 2010
	Chloride (mg/L)	58.31	72	Quarterly	Monthly	Q1 2010	May 2010
	Methylene Chloride (ug/L)	5	9.9	Quarterly	Monthly	Q2 2010	June 2010
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	16.1	Quarterly	Monthly	Q1 2010	May 2010
	Chloride (mg/L)	128	134	Quarterly	Monthly	Q1 2011	May 2011
	Selenium (ug/L)	47.2	48.6	Quarterly	Monthly	Q1 2019	May 2019
	Uranium (ug/L)	8.32	8.57	Quarterly	Monthly	Q4 2013	March 2014
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	21.7	Quarterly	Monthly	Q1 2010	May 2010
	Total Dissolved Solids (mg/L)	2132	2580	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
	Uranium (ug/L)	15	15.5	Quarterly	Monthly	Q2 2020	August 2020
	Sulfate (mg/L)	993	1150	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-36 (Class III)	Sulfate (mg/L)	3146.21	3170	Quarterly	Monthly	Q3 2019	Q4 2019 (November)
Semi-Annual Wells Accelerated to Quarterly Sampling							
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in Current GWDP**	**First Result Exceeding the GWCL**	**Sample Frequency**	**Accelerated Frequency**	**Exceedance Sample Period**	**Start of Accelerated Monitoring**
MW-12 (Class III)	Uranium (ug/L)	23.5	23.7	Semi-Annually	Quarterly	Q2 2017	Q3 2017
	Selenium (ug/L)	39	41.2	Semi-Annually	Quarterly	Q2 2020	Q3 2020
MW-24 (Class III)	Cadmium (ug/L)	6.43	6.97	Semi-Annually	Quarterly	Q2 2018	Q3 2018 (September)
	Beryllium (ug/L)	2	2.42	Semi-Annually	Quarterly	Q4 2017	Q1 2018
	Thallium (ug/L)	2.01	2.44	Semi-Annually	Quarterly	Q2 2018	Q3 2018 (September)
	Nickel (ug/L)	50	57.7	Semi-Annually	Quarterly	Q4 2018	Q3 2019
	Sulfate (mg/L)	2903	2960	Semi-Annually	Quarterly	Q1 2020	Q3 2020
	Manganese (ug/L)	7507	7700	Semi-Annually	Quarterly	Q4 2019	Q1 2020
	Fluoride (mg/L)	0.47	0.797	Semi-Annually	Quarterly	Q4 2018	Q3 2019
	Field pH (S.U.)	5.03	4.45	Semi-Annually	Quarterly	Q2 2018	Q3 2018 (September)
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	5.8	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-28 (Class III)	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Gross Alpha (pCi/L)	2.42	2.55	Semi-Annually	Quarterly	Q4 2018	Q3 2019
	Nitrate + Nitrite (as N) (mg/L)	5	5.14	Semi-Annually	Quarterly	Q4 2019	Q3 2020
	Selenium (ug/L)	11.1	12.4	Semi-Annually	Quarterly	Q2 2019	Q3 2019
	Cadmium (ug/L)	5.2	5.41	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Uranium (ug/L)	4.9	61.3	Semi-Annually	Quarterly	Q2 2014	Q4 2014
MW-32 (Class III)	Chloride (mg/L)	35.99	36.3	Semi-Annually	Quarterly	Q2 2014 (Q1 2015)	Q2 2014
MW-35 (Class II)	Nitrogen Ammonia, as N	0.14	0.254	Semi-Annually	Quarterly	Q2 2018	Q3 2018 (September)

Notes:
Highlighted text shows accelerated requirements resulting from Q2 2020 sampling event.
Pursuant to the DWMRC letter of July 28, 2020, these constituents will no longer be monitored on an accelerated schedule.

Table 3 – GWCL Exceedances for Second Quarter 2020 under the March 19, 2019 GWDP

			Q2 2019 Results						Q3 2019 Results						Q4 2019 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in March 19, 2019 GWDP	Q2 2019 Sample Date	Q2 2019 Result	May 2019 Monthly Sample Date	May 2019 Monthly Result	June 2019 Monthly Sample Date	June 2019 Monthly Result	Q3 2019 Sample Date	Q3 2019 Result	August 2019 Monthly Sample Date	August 2019 Monthly Result	Sept. 2019 Monthly Sample Date	Sept. 2019 Monthly Result	Q4 2019 Sample Date	Q4 2019 Result	November 2019 Monthly Sample Date	November 2019 Monthly Result	December 2019 Monthly Sample Date	December 2019 Monthly Result
Required Quarterly Sampling Wells																				
MW-11 (Class II)	Chloride (mg/L)	39.16	4/24/2019	34	5/7/2019	NA	6/3/2019	NA	7/16/2019	***48.4***	8/5/2019	NA	9/24/2019	NA	10/15/2019	30.8	11/12/2019	39.1	12/3/2019	35.4
	Sulfate (mg/L)	1309		1160		NA		NA		***1410***		NA		NA		1290		1140		1100
	Manganese (ug/L)	164.67		***181***		***210***		***210***		***199***		***202***		***174***		***185***		***206***		***167***
MW-14 (Class III)	Fluoride (mg/L)	0.22	4/23/2019	<0.100	NS	NA	NS	NA	7/15/2019	***0.248***	NS	NA	NS	NA	10/9/2019	<0.100	11/13/2019	0.127	12/3/2019	0.120
	Sulfate (mg/L)	2330		1780		NA		NA		***2450***		NA		NA		2180		2110		2120
MW-25 (Class III)	Cadmium (ug/L)	1.5	4/10/2019	1.30	5/8/2019	1.41	6/4/2019	1.47	7/15/2019	1.23	8/6/2019	1.37	9/23/2019	1.38	10/9/2019	1.45	11/13/2019	1.36	12/4/2019	1.45
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	4/24/2019	***3.00***	5/7/2019	***0.986***	6/4/2019	***3.16***	7/16/2019	***2.06***	8/6/2019	***3.10***	9/24/2019	***1.59***	10/9/2019	***2.35***	11/13/2019	***2.90***	12/4/2019	***2.32***
	Chloroform (ug/L)	70		***4140***		***1140***		***778***		***3110***		***1090***		***1540***		***1710***		***1280***		***1110***
	Chloride (mg/L)	58.31		***82.0***		***73.0***		***72.6***		***75.2***		***83.5***		***62.1***		***73.8***		***62.3***		57.7
	Methylene Chloride (ug/L)	5		4.16		1.69		<1.00		***10.7***		1.12		3.35		2.95		1.73		2.64
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	4/9/2019	***18.5***	5/7/2019	***17.9***	6/3/2019	***15.8***	7/16/2019	***19.3***	8/6/2019	***15.8***	9/24/2019	***17.9***	10/8/2019	***18.2***	11/13/2019	***17.2***	12/4/2019	***17.8***
	Chloride (mg/L)	128		***138***		***175***		***165***		***181***		***190***		***176***		***170***		***180***		***185***
	Selenium (ug/L)	47.2		***53.6***		47.1		***49.9***		***48.4***		***50.9***		***49.1***		***56.8***		***47.8***		***56.4***
	Uranium (ug/L)	8.32		***8.62***		8.15		***8.88***		***9.03***		***9.39***		8.12		***8.69***		***9.29***		***8.99***
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	4/10/2019	***19.7***	5/7/2019	***18.9***	6/3/2019	***19.7***	7/15/2019	***19.8***	8/5/2019	***17.0***	9/23/2019	***19.5***	10/9/2019	***19.8***	11/12/2019	***18.8***	12/3/2019	***18.3***
	Sulfate (mg/L)	993		917		NA		NA		***1150***		NA		NA		***1010***		990		***1020***
	TDS (mg/L)	2132		2080		NA		NA		***2580***		NA		NA		***2280***		***2650***		2030
	Uranium (ug/L)	15		14		NA		NA		14.3		NA		NA		14.4		NA		NA
	Chloride (mg/L)	143		***294***		***346***		***325***		***374***		***372***		***365***		***318***		***338***		***343***
MW-36 (Class III)	Sulfate (mg/L)	3146.21	4/18/2019	2470	5/21/2019	NA	6/3/2019	NA	7/16/2019	***3170***	8/6/2019	NA	9/23/2019	NA	10/8/2019	2850	11/13/2019	2590	12/3/2019	2710
Required Semi-Annual Sampling Wells																				
MW-12 (Class III)	Uranium (ug/L)	23.5	4/25/2019	23.2	NS	NA	NS	NA	7/11/2019	23.1	NS	NA	NS	NA	10/23/2019	21.6	NS	NA	NS	NA
	Selenium (ug/L)	39		33.9						NA						30.3				
MW-24 (Class III)	Beryllium (ug/L)	2	5/2/2019	***2.83***	NS	NA	NS	NA	7/18/2019	***2.94***	NS	NA	NS	NA	11/6/2019	***3.25***	NS	NA	NS	NA
	Cadmium (ug/L)	6.43		***8.24***		NA		NA		***8.37***		NA		NA		***9.31***		NA		NA
	Fluoride (mg/L)	0.47		***0.839***		NA		NA		***0.996***		NA		NA		***0.667***		NA		NA
	Nickel (mg/L)	50		***63.9***		NA		NA		***70.6***		NA		NA		***75.4***		NA		NA
	Manganese (ug/L)	7507		7020		NA		NA		NA		NA		NA		***7700***		NA		NA
	Thallium (ug/L)	2.01		***2.73***		NA		NA		***2.61***		NA		NA		***2.88***		NA		NA
	Sulfate (mg/L)	2903		2790		NA		NA		NA		NA		NA		2630		NA		NA
	Field pH (S.U.)	5.03 - 8.5		***4.53***		NA		NA		5.03		NA		NA		5.19		NA		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	4/23/2019	***6.33***	NS	NA	NS	NA	7/12/2019 8/15/2019	***6.50***	NS	NA	NS	NA	10/22/2019	***6.27***	NS	NA	NS	NA
MW-28 (Class III)	Chloride (mg/L)	105	4/24/2019	***165***	NS	NA	NS	NA	7/12/2019 8/16/2019	***133***	NS	NA	NS	NA	10/22/2019	***149***	NS	NA	NS	NA
	Selenium (ug/L)	11.1		***12.4***		NA		NA		10.6		NA		NA		***16.5***		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	5		3.7		NA		NA		NA		NA		NA		***5.14***		NA		NA
	Gross Alpha (pCi/L)	2.42		1.94		NA		NA		1.20		NA		NA		<1.00		NA		NA
	Uranium (ug/L)	4.9		***9.60***		NA		NA		***7.83***		NA		NA		***12.4***		NA		NA
MW-32 (Class III)	Chloride (mg/L)	35.39	4/9/2019	34.5	NS	NA	NS	NA	8/15/2019	***35.7***	NS	NA	NS	NA	10/8/2019	35.3	NS	NA	NS	NA
MW-35 (Class II)	Nitrogen, Ammonia as N	0.14	4/18/2019	0.0634	NS	NA	NS	NA	7/11/2019	0.0935	NS	NA	NS	NA	10/8/2019	<0.0500	NS	NA	NS	NA

Notes:

NS= Not Required and Not Sampled

NA= Not Applicable

Exceedances are shown in yellow

Table 3 – GWCL Exceedances for Second Quarter 2020 under the March 19, 2019 GWDP

			Q1 2020 Results						Q1 2020 Results					
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in March 19, 2019 GWDP**	**Q1 2020 Sample Date**	**Q1 2020 Result**	**February 2020 Monthly Sample Date**	**February 2020 Monthly Result**	**March 2020 Monthly Sample Date**	**March 2020 Monthly Result**	**Q2 2020 Sample Date**	**Q2 2020 Result**	**May 2020 Monthly Sample Date**	**May 2020 Monthly Result**	**June 2020 Monthly Sample Date**	**June 2020 Monthly Result**
Required Quarterly Sampling Wells														
MW-11 (Class II)	Chloride (mg/L)	39.16	1/15/2020 1/28/2020	38.9	2/4/2020	***42.1***	3/10/2020	***41.0***	4/8/2020	38.3	5/5/2020	39.0	6/2/2020	***40.1***
	Sulfate (mg/L)	1309		1180		1260		1120		1180		1180		***1310***
	Manganese (ug/L)	164.67		***169***		***227***		***183***		***189***		***206***		***211***
MW-14 (Class III)	Fluoride (mg/L)	0.22	1/15/2020	0.128	2/4/2020	0.145	3/10/2020	<0.100	4/6/2020	<0.100	5/5/2020	<0.100	6/2/2020	<0.100
	Sulfate (mg/L)	2330		2250		2190		2150		2290		2150		2260
MW-25 (Class III)	Cadmium (ug/L)	1.5	1/15/2020	1.35	2/5/2020	***1.52***	3/11/2020	1.41	4/7/2020	1.46	5/6/2020	***1.52***	6/3/2020	1.46
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/15/2020	***0.873***	2/4/2020	***0.978***	3/10/2020	***1.60***	4/8/2020	***0.747***	5/6/2020	***1.16***	6/3/2020	***3.44***
	Chloroform (ug/L)	70		***1260***		***1640***		***1720***		***1420***		***1200***		***1530***
	Chloride (mg/L)	58.31		***78.8***		***66.9***		***76.9***		***62.8***		***73.8***		***63.7***
	Methylene Chloride (ug/L)	5		2.79		2.76		4.44		1.94		1.48		2.35
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/15/2020	***16.4***	2/5/2020	***17.8***	3/11/2020	***19.0***	4/6/2020	***18.1***	5/6/2020	***18.6***	6/3/2020	***18.3***
	Chloride (mg/L)	128		***182***		***187***		***182***		***195***		***177***		***180***
	Selenium (ug/L)	47.2		***49.7***		***49.9***		***48.1***		***54.4***		***51.5***		***50.5***
	Uranium (ug/L)	8.32		***8.88***		***9.06***		***9.50***		***9.24***		***8.94***		***9.28***
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/14/2020	***17.5***	2/4/2020	***18.0***	3/10/2020	***19.2***	4/6/2020	***18.8***	5/5/2020	***20.1***	6/2/2020	***18.7***
	Sulfate (mg/L)	993		***1120***		***1150***		***1080***		***1130***		***1080***		***1130***
	TDS (mg/L)	2132		***2220***		***2240***		***2380***		***2400***		***2330***		***2440***
	Uranium (ug/L)	15		14.8		NA		NA		***15.5***		NA		NA
	Chloride (mg/L)	143		***381***		***370***		***368***		***376***		***361***		***377***
MW-36 (Class III)	Sulfate (mg/L)	3146.21	1/14/2020	2660	2/5/2020	2540	3/10/2020	2890	4/9/2020	2660	5/5/2020	2480	6/2/2020	2770
Required Semi-Annual Sampling Wells														
MW-12 (Class III)	Uranium (ug/L)	23.5	1/16/2020	21.9	NS	NA	NS	NA	4/9/2020	***23.7***	NS	NA	NS	NA
	Selenium (ug/L)	39		NA						***41.2***				
MW-24 (Class III)	Beryllium (ug/L)	2	1/22/2020	***2.07***	NS	NA	NS	NA	4/22/2020	***2.95***	NS	NA	NS	NA
	Cadmium (ug/L)	6.43		***7.30***		NA		NA		***8.46***		NA		NA
	Fluoride (mg/L)	0.47		***0.805***		NA		NA		***0.732***		NA		NA
	Nickel (mg/L)	50		***68.1***		NA		NA		***72.6***		NA		NA
	Manganese (ug/L)	7507		7010		NA		NA		***7750***		NA		NA
	Thallium (ug/L)	2.01		1.92		NA		NA		***2.81***		NA		NA
	Sulfate (mg/L)	2903		***2960***		NA		NA		2870		NA		NA
	Field pH (S.U.)	5.03 - 8.5		6.01		NA		NA		5.60		NA		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	1/16/2020	***6.18***	NS	NA	NS	NA	4/8/2020	***6.43***	NS	NA	NS	NA
MW-28 (Class III)	Chloride (mg/L)	105	1/16/2020	***151***	NS	NA	NS	NA	4/15/2020	***129***	NS	NA	NS	NA
	Selenium (ug/L)	11.1		***13.4***		NA		NA		10.2		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	5		NA		NA		NA		2.6		NA		NA
	Gross Alpha (pCi/L)	2.42		1.79		NA		NA		1.69		NA		NA
	Uranium (ug/L)	4.9		***7.56***		NA		NA		***5.91***		NA		NA
MW-32 (Class III)	Chloride (mg/L)	35.39	1/14/2020	***38.0***	NS	NA	NS	NA	4/7/2020	***36.4***	NS	NA	NS	NA
MW-35 (Class II)	Nitrogen, Ammonia as N	0.14	1/16/2020	0.0919	NS	NA	NS	NA	4/9/2020	0.0772	NS	NA	NS	NA

Notes:

NS= Not Required and Not Sampled

NA= Not Applicable

Exceedances are shown in yellow

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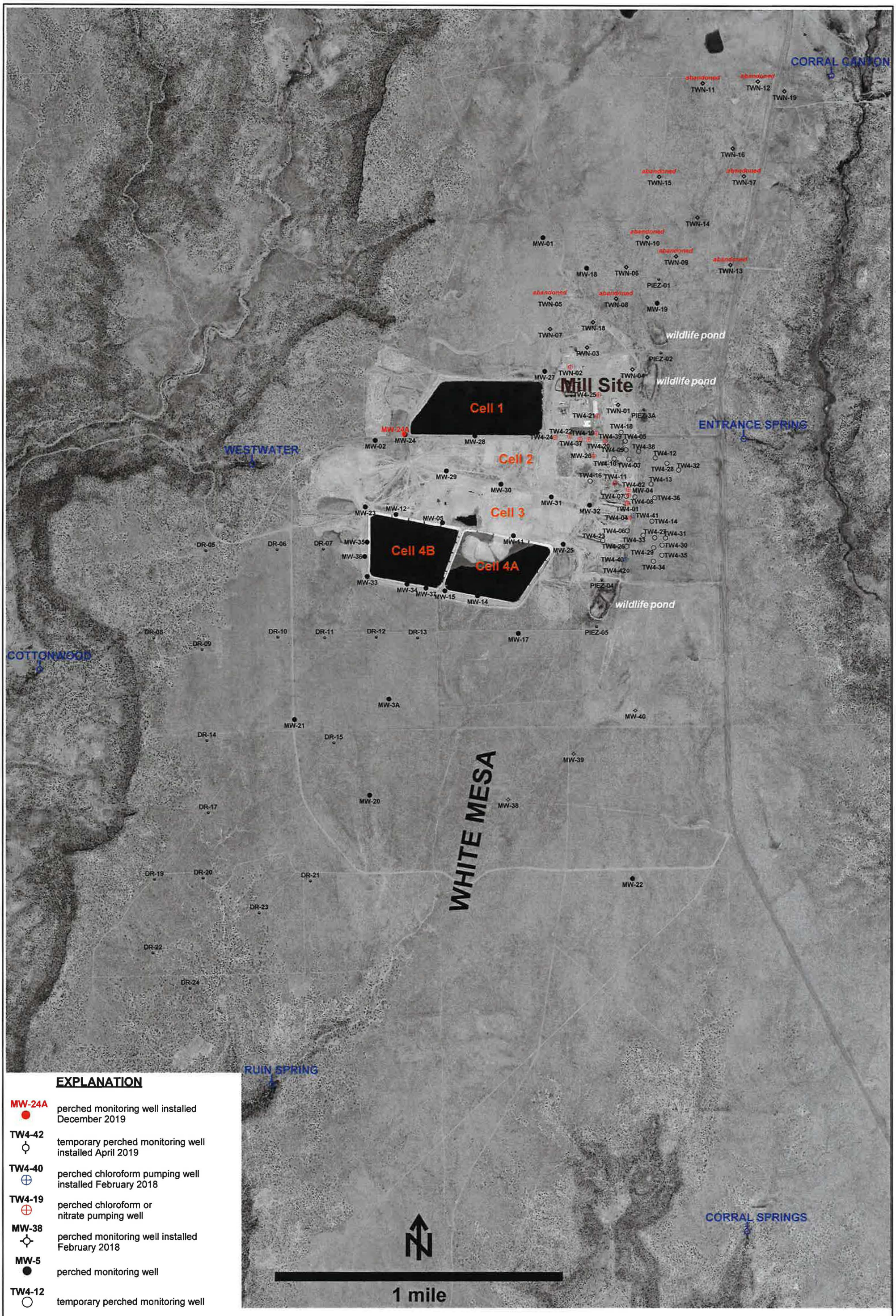
Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- **MW-24A** — perched monitoring well installed December 2019
- **TW4-42** — temporary perched monitoring well installed April 2019
- **TW4-40** — perched chloroform pumping well installed February 2018
- **TW4-19** — perched chloroform or nitrate pumping well
- **MW-38** — perched monitoring well installed February 2018
- **MW-5** — perched monitoring well
- **TW4-12** — temporary perched monitoring well
- **TWN-7** — temporary perched nitrate monitoring well
- **PIEZ-1** — perched piezometer
- **RUIN SPRING** — seep or spring

HYDRO GEO CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug19/Uwelloc1219.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-01
Field Sample ID	MW-01_04152020
Purge Date & Time	4/15/2020 10:40
Sample Date & Time	4/15/2020 13:40

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	19.49
Calculated Casing Volumes Purge Duration (min)	179.71
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	8
Previous Well Sampled	MW-18
Well Depth (ft)	118.00
Well Casing Diameter (in)	3
Depth to Water Before Purging (ft)	64.87

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/15/2020 13:37	38.40	1801	7.00	15.27	340	1.2	15.0	
4/15/2020 13:38	38.62	1798	7.01	14.74	336	1.2	13.5	
4/15/2020 13:39	38.84	1798	7.07	14.66	324	1.3	13.0	
4/15/2020 13:40	39.06	1804	7.10	14.58	316	1.3	12.8	

Volume of water purged (gals)	39.06
Final Depth to Water (feet)	97.84

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	180.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
GEL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y

Comments:

Arrived on site at 1037. Purge began at 1040. Purged well for a total of 180 minutes. Purge ended and samples collected at 1340. Water was clear. Left site at 1351.

Signature of Field Technician

Darren Hollenbeck

ENERGY FUELS

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-02
Field Sample ID	MW-02_04072020
Purge Date & Time	4/7/2020 12:30
Sample Date & Time	4/7/2020 14:30

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	12.42
Calculated Casing Volumes Purge Duration (min)	114.53
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	18
Previous Well Sampled	MW-25

Well Depth (ft)	128.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	109.77

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/7/2020 14:27	25.38	3672	7.43	15.70	410	0	11.4	
4/7/2020 14:28	25.60	3680	7.41	15.63	410	0	10.5	
4/7/2020 14:29	25.82	3684	7.41	15.60	410	0	10.3	
4/7/2020 14:30	26.04	3681	7.38	15.55	411	0	10.5	

Volume of water purged (gals)	26.04

Final Depth to Water (feet)	119.34

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	120.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1227. Purge began at 1230. Purged well for a total of 120 minutes. Purge ended and samples collected at 1430. Water was clear. Left site at 1442.

Signature of Field Technician

Darren Hollday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-03a
Field Sample ID	MW-03A_04132020
Purge Date & Time	4/10/2020 8:15
Sample Date & Time	4/13/2020 7:00

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	7.15
Calculated Casing Volumes Purge Duration (min)	68.75
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	8
Previous Well Sampled	MW-23
Well Depth (ft)	95.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	84.05

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/10/2020 9:25	14.56	5654	7.00	15.80	483	1.6	72.0	
4/13/2020 6:59		5911	6.88	14.37				Before
4/13/2020 7:10		5899	6.93	14.38				After

Volume of water purged (gals)	14.56
Final Depth to Water (feet)	92.88

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.208
Time to evacuate 2 Casing Volumes (min)	70.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness (gals)	14.56

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0812. Purge began at 0815. Purged well for a total of 70 minutes. Well ran dry sometime during purge. Purge ended at 0925. Water was mostly clear. Left site at 0930. Arrived on site at 0655. Depth to water was 85.40. Samples collected at 0700. Left site at 0710.

Signature of Field Technician

Jarrett Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-05
Field Sample ID	MW-05_04082020
Purge Date & Time	4/8/2020 12:00
Sample Date & Time	4/8/2020 15:20

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	21.52
Calculated Casing Volumes Purge Duration (min)	198.42
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	17
Previous Well Sampled	MW-27
Well Depth (ft)	141.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	108.53

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/8/2020 15:17	42.74	2763	7.56	15.05	395	1.0	11.7	
4/8/2020 15:18	42.96	2780	7.58	15.00	383	1.0	11.5	
4/8/2020 15:19	43.18	2780	7.59	14.99	375	1.0	10.0	
4/8/2020 15:20	43.40	2784	7.59	14.97	370	1.0	9.5	

Volume of water purged (gals)	43.40
Final Depth to Water (feet)	126.01

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	200.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1155. Purge began at 1200. Purged well for a total of 200 minutes. Purge ended and samples collected at 1520. Water was clear. Left site at 1535.

Signature of Field Technician

Darrell Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-11
Field Sample ID	MW-11_04082020
Purge Date & Time	4/8/2020 7:10
Sample Date & Time	4/8/2020 11:40

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	29.11
Calculated Casing Volumes Purge Duration (min)	268.30
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	4
Previous Well Sampled	MW-29

Well Depth (ft)	130.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	85.42

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/8/2020 11:37	57.93	2911	7.50	14.56	391	0	8.5	
4/8/2020 11:38	58.15	2924	7.56	14.53	383	0	8.0	
4/8/2020 11:39	58.37	2918	7.57	14.50	380	0	7.0	
4/8/2020 11:40	58.59	2920	7.57	14.48	376	0	6.8	

Volume of water purged (gals)	58.59

Final Depth to Water (feet)	85.60

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	270.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0706. Purge began at 0710. Purged well for a total of 270 minutes. Purge ended and samples collected at 1140. Water was clear. Left site at 1149.

Signature of Field Technician

Durrea Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-12
Field Sample ID	MW-12_04092020
Purge Date & Time	4/9/2020 7:00
Sample Date & Time	4/9/2020 9:20
Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	14.70
Calculated Casing Volumes Purge Duration (min)	135.53
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL
Weather Conditions	Cloudy
External Ambient Temperature (C)	4
Previous Well Sampled	TW4-24
Well Depth (ft)	130.40
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	107.88

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/9/2020 9:17	29.72	4151	7.13	14.59	423	3.0	58.0	
4/9/2020 9:18	29.94	4079	7.16	14.54	424	2.0	53.0	
4/9/2020 9:19	30.16	4064	7.10	14.47	422	1.9	52.0	
4/9/2020 9:20	30.38	4056	7.08	14.43	420	1.9	52.3	

Volume of water purged (gals)	30.38
Final Depth to Water (feet)	123.30

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	140.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0656. Purge began at 0700. Purged well for a total of 140 minutes. Purge ended and samples collected at 0920. Water was clear. Left site at 0930.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-14
Field Sample ID	MW-14_04062020
Purge Date & Time	4/6/2020 12:20
Sample Date & Time	4/6/2020 15:05

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	17.43
Calculated Casing Volumes Purge Duration (min)	160.69
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny and windy
External Ambient Temperature (	17
Previous Well Sampled	MW-30

Well Depth (ft)	128.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (	102.00

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/6/2020 15:02	35.15	3848	6.88	14.95	443	0	4.0	
4/6/2020 15:03	35.37	3852	6.91	14.74	443	0	3.5	
4/6/2020 15:04	35.58	3846	6.93	14.64	442	0	3.0	
4/6/2020 15:05	35.80	3848	6.95	14.65	441	0	3.0	

Volume of water purged (gals)	35.80

Final Depth to Water (feet)	102.38

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	165.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1217. Purge began at 1220. Purged well for a total of 165 minutes. Purge ended and samples collected at 1505. Water was clear. Left site at 1515.

Signature of Field Technician

Dunnea Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-15
Field Sample ID	MW-15_04072020
Purge Date & Time	4/7/2020 7:15
Sample Date & Time	4/7/2020 10:25

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	20.43
Calculated Casing Volumes Purge Duration (min)	188.37
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	3
Previous Well Sampled	MW-32
Well Depth (ft)	137.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	105.70

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/7/2020 10:22	40.57	4209	6.82	14.75	447	0	23.4	
4/7/2020 10:23	40.79	4206	6.91	14.69	447	0	20.1	
4/7/2020 10:24	41.01	4212	6.93	14.67	447	0	20.0	
4/7/2020 10:25	41.23	4207	6.95	14.68	447	0	19.6	

Volume of water purged (gals)	41.23
Final Depth to Water (feet)	108.35

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	190.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0712. Purge began at 0715. Purged well for a total of 190 minutes. Purge ended and samples collected at 1025. Water was clear. Left site at 1035.

Signature of Field Technician

Durrea Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-17
Field Sample ID	MW-17_04132020
Purge Date & Time	4/13/2020 7:15
Sample Date & Time	4/13/2020 11:20

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	26.18
Calculated Casing Volumes Purge Duration (min)	241.33
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C	0
Previous Well Sampled	MW-19

Well Depth (ft)	112.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft	71.90

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/13/2020 11:17	52.51	3653	6.78	14.70	474	37.0	7.0	
4/13/2020 11:18	52.73	3634	6.88	14.58	473	26.5	6.0	
4/13/2020 11:19	52.94	3630	6.98	14.58	472	26.0	6.2	
4/13/2020 11:20	53.16	3643	7.04	14.60	472	25.0	6.5	

Volume of water purged (gals)	53.16

Final Depth to Water (feet)	85.60

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	245.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0712. Purge began at 0715. Purged well for a total of 245 minutes. Purge ended and samples collected 1120. Water was a little murky. Left site at 1130.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-18
Field Sample ID	MW-18_04142020
Purge Date & Time	4/14/2020 6:35
Sample Date & Time	4/14/2020 12:40

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	39.40
Calculated Casing Volumes Purge Duration (min)	363.21
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	-4
Previous Well Sampled	MW-17

Well Depth (ft)	134.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	73.65

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/14/2020 12:37	78.55	3408	6.65	14.33	445	0	1.0	
4/14/2020 12:38	78.77	3399	6.75	14.35	439	1.1	1.0	
4/14/2020 12:39	78.98	3404	6.81	14.30	432	1.0	1.0	
4/14/2020 12:40	79.20	3404	6.83	14.25	425	1.1	1.0	

Volume of water purged (gals)	79.20

Final Depth to Water (feet)	74.70

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	365.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0631. Purge began at 0635. Purged well for a total of 365. Minutes. Purge ended and samples collected at 1240. Water was clear. Left site at 1250.

Signature of Field Technician

Durrae Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-19
Field Sample ID	MW-19_04132020
Purge Date & Time	4/13/2020 6:00
Sample Date & Time	4/13/2020 14:30

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	54.78
Calculated Casing Volumes Purge Duration (min)	504.94
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Clear
External Ambient Temperature (C	-2
Previous Well Sampled	MW-20

Well Depth (ft)	149.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft	65.10

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/13/2020 14:27	110.01	1312	7.14	14.75	458	0	125.0	
4/13/2020 14:28	110.23	1310	7.19	14.69	460	0	125.0	
4/13/2020 14:29	110.45	1308	7.20	14.69	461	0	124.5	
4/13/2020 14:30	110.67	1308	7.20	14.65	462	0	124.0	

Volume of water purged (gals)	110.67

Final Depth to Water (feet)	75.20

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	510.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0557. Purge began at 0600. Purged well for a total of 510 minutes. Purge ended and samples collected at 1430. Water was clear. Left site at 1441.

Signature of Field Technician

Darrace Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-20
Field Sample ID	MW-20_04212020
Purge Date & Time	4/10/2020 13:12
Sample Date & Time	4/10/2020 13:45

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Bailer
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	4.47
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	17
Previous Well Sampled	MW-37

Well Depth (ft)	92.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	85.15

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/10/2020 13:18	5.00	6310	7.12	15.80	476	7.0	82.0	
4/21/2020 13:44		5633	7.35	14.10				Before
4/21/2020 13:50		5645	7.39	14.05				After

Volume of water purged (gals)	7.00

Final Depth to Water (feet)	91.65

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	1.56
Volume, if well evacuated to dryness (gals)	7.00

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1309. Bailing began at 1312. Bailed a total of 7 gallons from well. Bailed well dry. Bailing ended at 1325. Water started clear and ended murky. Left site at 1327. Arrived on site at 1342. Depth to water was 90.05. Samples bailed and collected at 1345. Left site at 1350.

Signature of Field Technician

Darrell Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-22
Field Sample ID	MW-22_04152020
Purge Date & Time	4/15/2020 6:30
Sample Date & Time	4/15/2020 11:20

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	31.08
Calculated Casing Volumes Purge Duration (min)	286.47
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Clear
External Ambient Temperature (C)	-2
Previous Well Sampled	MW-24A

Well Depth (ft)	114.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	66.40

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/15/2020 11:17	62.93	7977	5.14	14.60	524	0	12.3	
4/15/2020 11:18	63.14	7970	5.15	14.59	526	0	10.0	
4/15/2020 11:19	63.36	7977	5.15	14.59	528	1.0	9.0	
4/15/2020 11:20	62.93	7971	5.15	14.60	530	1.0	8.9	

Volume of water purged (gals)	62.93

Final Depth to Water (feet)	94.20

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	290.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Arrived on site at 0627. Purge began at 0630. Purged well for a total of 290 minutes. Purged well for a total of 290 minutes. Purge ended and samples collected at 1120. Water was clear. Left site at 1130.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-23
Field Sample ID	MW-23_04212020
Purge Date & Time	4/9/2020 9:40
Sample Date & Time	4/21/2020 12:30

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	11.79
Calculated Casing Volumes Purge Duration (min)	113.45
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C	15
Previous Well Sampled	MW-36

Well Depth (ft)	132.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft	113.93

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/9/2020 11:40	24.96	4035	7.65	16.78	436	1.0	51.0	
4/21/2020 12:29		3879	7.01	14.90				Before
4/21/2020 12:40		3882	7.02	14.85				After

Volume of water purged (gals)	24.56

Final Depth to Water (feet)	129.13

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.208
Time to evacuate 2 Casing Volumes (min)	120.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness (gals)	24.56

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0937. Purge began at 0940. Purged well for a total of 120 minutes. Purged well dry. Water was mostly clear. purge ended at 1140. Left site at 1145. Well ran dry sometime through out the purge. Arived on site at 1225. Depth to water was 121.40. Samples collected at 1230. Left site at 1244.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-24
Field Sample ID	MW-24_04222020
Purge Date & Time	4/21/2020 14:40
Sample Date & Time	4/22/2020 8:40

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Bailer
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	5.92
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Overcast and rain
External Ambient Temperature (C)	15
Previous Well Sampled	MW-38

Well Depth (ft)	120.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	110.93

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/21/2020 14:47	5.00	4415	5.62	14.65	480	196.0	73.4	
4/22/2020 8:40		4415	5.58	14.10				Before
4/22/2020 8:45		4426	5.60	14.08				After

Volume of water purged (gals)	11.00

Final Depth to Water (feet)	119.47

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	1.85
Volume, if well evacuated to dryness (gals)	11.00

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1435. Bailing began at at 1440. Bailed a total of 11 gallons from well. Water was dirty, dark grey in color. Bailed well dry. Left site at 1500. Arrived on site at 0835. Depth to water was 111.05. Samples bailed and collected at 0840. Left site at 0845.

Signature of Field Technician

Dunrea Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-24A
Field Sample ID	MW-24A_04142020
Purge Date & Time	4/14/2020 12:44
Sample Date & Time	4/14/2020 14:10

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	6.49
Calculated Casing Volumes Purge Duration (min)	62.47
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	10
Previous Well Sampled	MW-40

Well Depth (ft)	122.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	112.05

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/14/2020 14:07	13.93	4304	5.45	16.50	479	21.0	88.0	
4/14/2020 14:08	14.14	4327	5.44	16.30	487	21.2	87.7	
4/14/2020 14:09	14.35	4341	5.40	16.10	490	21.0	85.5	
4/14/2020 14:10	14.56	4331	5.39	15.99	492	20.6	85.0	

Volume of water purged (gals)	14.56

Final Depth to Water (feet)	118.05

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.208
Time to evacuate 2 Casing Volumes (min)	70.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1156. Purge began at 1300. Purged well for a total of 70 minutes. Purge ended and samples collected at 1410. Water was a little murky. Left site at 1416.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-25
Field Sample ID	MW-25_04072020
Purge Date & Time	4/7/2020 10:40
Sample Date & Time	4/7/2020 14:10

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	22.62
Calculated Casing Volumes Purge Duration (min)	208.53
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	15
Previous Well Sampled	MW-15

Well Depth (ft)	115.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	80.35

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/7/2020 14:07	44.91	3163	7.04	14.95	425	8.8	3.6	
4/7/2020 14:08	45.13	3132	7.02	14.90	425	9.0	3.5	
4/7/2020 14:09	45.35	3137	7.00	14.90	424	9.3	3.5	
4/7/2020 14:10	45.57	3133	6.99	14.89	424	9.2	3.4	

Volume of water purged (gals)	45.57

Final Depth to Water (feet)	82.20

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	210.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1037. Purge began at 1040. Purged well for a total of 210 minutes. Purge ended and samples collected at 1410. Water was mostly clear with tiny little bubbles surfacing. Left site at 1421.

Signature of Field Technician

Jarrea Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-26
Field Sample ID	MW-26_04082020
Purge Date & Time	4/8/2020 12:59
Sample Date & Time	4/8/2020 13:00

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL
Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	MW-05

Purging Equipment	Pump
Pump Type	Continuous
Purging Method	2 Casings
Casing Volume (gal)	26.91
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Well Depth (ft)	121.33
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	80.12

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/8/2020 12:59		3522	7.03	17.20	357	0	17.5	

Volume of water purged ()	
Final Depth to Water (feet)	115.20

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	10.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1255. Samples collected at 1300. Water was clear. Left site at 1305.

Signature of Field Technician

Dunne Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-27
Field Sample ID	MW-27_04082020
Purge Date & Time	4/8/2020 10:05
Sample Date & Time	4/8/2020 14:05

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	24.74
Calculated Casing Volumes Purge Duration (min)	228.09
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	13
Previous Well Sampled	MW-11

Well Depth (ft)	95.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	57.10

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/8/2020 14:02	51.42	1110	7.45	15.30	446	0	97.0	
4/8/2020 14:03	51.64	1100	7.46	15.35	444	0	97.0	
4/8/2020 14:04	51.86	1108	7.46	15.30	443	0	96.5	
4/8/2020 14:05	52.08	1108	7.47	15.25	442	0	96.5	

Volume of water purged (gals)	52.08

Final Depth to Water (feet)	58.65

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	240.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1003. Purge began at 1005. Purged well for a total of 240 minutes. Purge ended and samples collected at 1405. Water was clear. Left site at 1414.

Signature of Field Technician

Darrell Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-28
Field Sample ID	MW-28_04152020
Purge Date & Time	4/15/2020 6:50
Sample Date & Time	4/15/2020 10:25

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	23.06
Calculated Casing Volumes Purge Duration (min)	212.57
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	-2
Previous Well Sampled	MW-22

Well Depth (ft)	110.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.68

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/15/2020 10:22	46.00	3990	6.63	14.29	505	0	26.2	
4/15/2020 10:23	46.22	3995	6.65	14.35	504	0	26.0	
4/15/2020 10:24	46.43	3987	6.66	14.39	502	0	25.0	
4/15/2020 10:25	46.65	3988	6.68	14.40	500	0	24.5	

Volume of water purged (gals)	46.65

Final Depth to Water (feet)	77.45

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	215.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0646. Purge began at 0650. Purged well for a total of 215 minutes. Purge ended and samples collected at 1025. Water was clear. Left site at 1034.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit

Groundwater Monitoring Quality Assurance Plan

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-29
Field Sample ID	MW-29_04082020
Purge Date & Time	4/8/2020 7:00
Sample Date & Time	4/8/2020 9:50

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	17.81
Calculated Casing Volumes Purge Duration (min)	164.18
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	4
Previous Well Sampled	MW-02

Well Depth (ft)	135.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	107.72

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/8/2020 9:47	36.23	4535	6.78	14.40	305	10.2	10.3	
4/8/2020 9:48	36.45	4537	6.77	14.39	300	10.5	9.5	
4/8/2020 9:49	36.67	4538	6.76	14.35	285	10.0	9.0	
4/8/2020 9:50	36.89	4537	6.76	14.33	280	10.2	9.3	

Volume of water purged (gals)	36.89

Final Depth to Water (feet)	110.35

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	170.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0657. Purge began at 0700. Purged well for a total of 170 minutes. Purge ended and samples collected at 0950. Water was mostly clear. Left site at 1000.

Signature of Field Technician

Durrea Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-30
Field Sample ID	MW-30_04062020
Purge Date & Time	4/6/2020 7:40
Sample Date & Time	4/6/2020 11:15

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	22.92
Calculated Casing Volumes Purge Duration (min)	211.24
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	4
Previous Well Sampled	MW-31

Well Depth (ft)	110.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.90

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/6/2020 11:12	46.00	2149	7.14	14.60	465	0	53.4	
4/6/2020 11:13	46.22	2147	7.16	14.57	464	0	53.4	
4/6/2020 11:14	46.43	2148	7.17	14.56	463	0	53.3	
4/6/2020 11:15	46.65	2147	7.19	14.55	463	0	52.9	

Volume of water purged (gals)	46.65

Final Depth to Water (feet)	77.62

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	215.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0737. Purge began at 0740. Purged well for a total of 215 minutes. Purge ended and samples collected at 1115. Water was clear. Left site at 1125.

Signature of Field Technician

Darren Hollibay

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-31
Field Sample ID	MW-31_04062020
Purge Date & Time	4/6/2020 7:30
Sample Date & Time	4/6/2020 13:40
Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	39.93
Calculated Casing Volumes Purge Duration (min)	368.02
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL
Weather Conditions	Sunny
External Ambient Temperature (C)	4
Previous Well Sampled	N/A
Well Depth (ft)	130.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	68.85

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/6/2020 13:37	79.63	3106	7.21	14.90	447	0	110.0	
4/6/2020 13:38	79.85	3101	7.23	14.89	446	0	109.0	
4/6/2020 13:39	80.07	3102	7.23	14.88	446	0	110.0	
4/6/2020 13:40	80.29	3106	7.25	14.85	445	0	110.0	

Volume of water purged (gals)	80.29
Final Depth to Water (feet)	72.70

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	370.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0727. Purge began at 0730. Purged well for a total of 370 minutes. Purge ended and samples collected at 1340. Water was clear. Left site at 1351.

Signature of Field Technician

Darren Hollday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-32
Field Sample ID	MW-32_04072020
Purge Date & Time	4/7/2020 7:10
Sample Date & Time	4/7/2020 12:10

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	32.40
Calculated Casing Volumes Purge Duration (min)	298.63
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	3
Previous Well Sampled	MW-14

Well Depth (ft)	130.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	80.98

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/7/2020 12:07	64.44	3691	6.73	14.95	246	13.0	11.0	
4/7/2020 12:08	64.66	3690	6.70	14.83	234	14.0	8.0	
4/7/2020 12:09	64.88	3686	6.70	14.80	228	14.5	7.8	
4/7/2020 12:10	65.10	3689	6.70	14.78	225	15.0	7.5	

Volume of water purged (gals)	65.10

Final Depth to Water (feet)	86.89

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	300.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0707. Purge began at 0710. Purged well for a total of 300 minutes. Purge ended and samples collected at 1210. Water was mostly clear but had tiny little bubbles surfacing. Left site at 1220.

Signature of Field Technician

Darrell Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-35
Field Sample ID	MW-35_04092020
Purge Date & Time	4/9/2020 7:05
Sample Date & Time	4/9/2020 8:20

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	7.87
Calculated Casing Volumes Purge Duration (min)	72.58
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	4
Previous Well Sampled	MW-12

Well Depth (ft)	124.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	112.44

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/9/2020 8:17	15.62	4088	7.04	14.14	386	0	9.1	
4/9/2020 8:18	15.84	4081	7.00	14.10	372	0	8.5	
4/9/2020 8:19	16.05	4079	6.99	14.05	364	0	8.2	
4/9/2020 8:20	16.27	4080	6.98	14.03	357	0	8.0	

Volume of water purged (gals)	16.27

Final Depth to Water (feet)	113.05

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	75.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0702. Purge began at 0705. Purged well for a total of 75 minutes. Purge ended and samples collected at 0820. Water was clear. Left site at 0830.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-36
Field Sample ID	MW-36_04092020
Purge Date & Time	4/9/2020 8:35
Sample Date & Time	4/9/2020 8:18

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	7.00
Calculated Casing Volumes Purge Duration (min)	64.51
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	10
Previous Well Sampled	MW-35

Well Depth (ft)	121.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	110.88

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/9/2020 9:42	14.53	788	7.29	14.05	435	0	73.0	
4/9/2020 9:43	14.75	778	7.29	14.10	435	0	74.0	
4/9/2020 9:44	14.97	785	7.28	14.09	435	0	73.8	
4/9/2020 9:45	15.19	790	7.28	14.10	435	0	74.0	

Volume of water purged (gals)	15.19

Final Depth to Water (feet)	111.87

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AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	70.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0833. Purge began at 0835. Purged well for a total of 70 minutes. Purge ended and samples collected at 0945. Water was clear. Left site at 0955.

Signature of Field Technician

Darren Hollibaugh

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-37
Field Sample ID	MW-37_04212020
Purge Date & Time	4/10/2020 12:25
Sample Date & Time	4/21/2020 13:00

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Bailer
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	10.21
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	17
Previous Well Sampled	MW-03A

Well Depth (ft)	121.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	106.15

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/10/2020 12:33	5.00	4312	6.72	15.06	462	15.5	79.0	
4/21/2020 12:59		4305	7.14	14.30				Before
4/21/2020 13:05		4310	7.13	14.29				After

Volume of water purged (gals)	14.00

Final Depth to Water (feet)	121.43

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	1.37
Volume, if well evacuated to dryness (gals)	14.00

Name of Certified Analytical Laboratory
AWSL

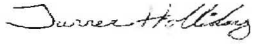
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1221. Bailing began at 1225. Bailed a total of 14 gallons from well. Bailed well dry. Water started clear and ended murky. Left site at 1254. Arrived on site at 1257. Depth to water was 114.58. Samples bailed and collected at 1300. Raining at time of collection. Left site at 1307.

Signature of Field Technician



White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-38
Field Sample ID	MW-38_04222020
Purge Date & Time	4/21/2020 13:14
Sample Date & Time	4/22/2020 8:10

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Bailer
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	2.70
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Overcast with rain
External Ambient Temperature (C)	15
Previous Well Sampled	MW-39

Well Depth (ft)	74.40
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.25

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/21/2020 13:23	5.00	4371	6.95	14.88	471	20.0	89.0	
4/22/2020 8:09		4414	7.18	15.16				Before
4/22/2020 8:14		4410	7.18	15.13				After

Volume of water purged (gals)	5.00

Final Depth to Water (feet)	74.23

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	1.84
Volume, if well evacuated to dryness (gals)	5.00

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1311. Bailing began at 1314. Bailed a total of 5 gallons from well. Bailed well dry. Water started clear and ended murky. Left site at 1324. Arrived on site at 0806. Depth to water was 70.60. Samples bailed and collected at 0810. Left site at 0815.

Signature of Field Technician

Groundwater Discharge Permit

Groundwater Monitoring Quality Assurance Plan

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-39
Field Sample ID	MW-39_04152020
Purge Date & Time	4/15/2020 11:40
Sample Date & Time	4/15/2020 15:30

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	24.42
Calculated Casing Volumes Purge Duration (min)	225.08
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	10
Previous Well Sampled	MW-01

Well Depth (ft)	102.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	65.10

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/15/2020 15:27	49.25	4641	4.51	14.80	429	1.0	9.0	
4/15/2020 15:28	49.47	4625	4.54	14.77	438	1.0	8.5	
4/15/2020 15:29	49.69	4624	4.54	14.70	449	1.0	8.0	
4/15/2020 15:30	49.91	4627	4.53	14.75	458	1.0	7.9	

Volume of water purged (gals)	49.91

Final Depth to Water (feet)	68.80

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	230.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 1135. Purge began at 1140. Purged well for a total of 230 minutes. Purge ended and samples collected at 1530. Water was clear. Left site at 1546.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-40
Field Sample ID	MW-40_04142020
Purge Date & Time	4/14/2020 6:50
Sample Date & Time	4/14/2020 10:55

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	26.06
Calculated Casing Volumes Purge Duration (min)	240.25
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	-4
Previous Well Sampled	MW-18

Well Depth (ft)	120.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	80.08

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/14/2020 10:52	52.51	3940	7.08	14.72	454	0	108.00	
4/14/2020 10:53	52.73	3940	7.08	14.70	455	0	108.0	
4/14/2020 10:54	52.94	3937	7.07	14.60	456	0	107.8	
4/14/2020 10:55	53.16	3934	7.06	14.50	457	0	107.6	

Volume of water purged (gals)	53.16

Final Depth to Water (feet)	80.95

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	245.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Arrived on site at 0647. Purge began at 0650. Purged well for a total of 245 minutes. Purge ended and samples collected at 1055. Water was clear. Left site at 1106.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-24
Field Sample ID	TW4-24_04082020
Purge Date & Time	4/8/2020 13:29
Sample Date & Time	4/8/2020 13:30

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Continuous
Purging Method	2 Casings
Casing Volume (gal)	29.68
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	MW-26

Well Depth (ft)	114.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	69.34

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
4/8/2020 13:29		8002	6.94	16.63	345	23.0	24.7	

Volume of water purged ()	

Final Depth to Water (feet)	74.78

Name of Certified Analytical Laboratory
GEL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	14.50
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y

Comments:

Arrived on site at 1325. Samples collected at 1330. Water was a little murky. Left site at 1335.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-65
Field Sample ID	MW-65_04082020
Purge Date & Time	
Sample Date & Time	4/8/2020 15:20

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	
Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

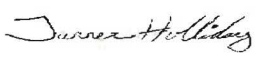
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Duplicate of MW-05

Signature of Field Technician



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-70
Field Sample ID	MW-70_04152020
Purge Date & Time	
Sample Date & Time	4/15/2020 15:30

Sampling Program	
Sampling Event	2020 Q2 GW Quarterly
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Heavy Metals - Full Suite	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
VOCs - Full Suite for GW	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Nutrients	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
General Inorganics	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y
Gross Alpha	Y	WATER	1	250-mL HDPE	Y	HNO3	Y

Comments:

Duplicate of MW-39

Signature of Field Technician

Darren Holliday

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

May 2020

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-11
Field Sample ID	MW-11_05052020
Purge Date & Time	5/5/2020 7:25
Sample Date & Time	5/5/2020 11:55

Sampling Program	
Sampling Event	May Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	29.05
Calculated Casing Volumes Purge Duration (min)	267.82
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	10
Previous Well Sampled	MW-31

Well Depth (ft)	130.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	85.50

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/5/2020 11:52	57.93	2943	6.50	14.73	565	1.7	1.8	
5/5/2020 11:53	58.15	2937	6.55	14.90	560	1.6	1.7	
5/5/2020 11:54	58.37	2947	6.59	14.95	556	1.6	1.6	
5/5/2020 11:55	58.59	2948	6.65	14.90	552	1.6	1.6	

Volume of water purged (gals)	58.59

Final Depth to Water (feet)	87.21

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	270.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Heavy Metals - Mn only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N

Comments:

Arrived on site at 0721. Purge began at 0725. Purged well for a total of 270 minutes. Purge ended and samples collected at 1155. Water was clear. Left site at 1201.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-14
Field Sample ID	MW-14_05052020
Purge Date & Time	5/5/2020 12:10
Sample Date & Time	5/5/2020 14:50

Sampling Program	
Sampling Event	May Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	17.20
Calculated Casing Volumes Purge Duration (min)	158.58
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	MW-11

Well Depth (ft)	128.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	102.35

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/5/2020 14:47	34.06	3863	6.50	15.05	525	0	11.0	
5/5/2020 14:48	34.28	3862	6.50	15.07	522	0	12.0	
5/5/2020 14:49	34.50	3853	6.55	14.98	521	0	13.0	
5/5/2020 14:50	34.72	3859	6.57	14.95	520	0	13.0	

Volume of water purged (gals)	34.72

Final Depth to Water (feet)	102.69

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	160.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N
Fluoride	Y	WATER	1	250-mL HDPE	U	None	N

Comments:

Arrived on site at 1206. Purge began at 1210. Purged well for a total of 160 minutes. Purge ended and samples collected at 1450. Water was clear. Left site at 1454.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-25
Field Sample ID	MW-25_05062020
Purge Date & Time	5/6/2020 7:15
Sample Date & Time	5/6/2020 11:15

Sampling Program	
Sampling Event	May Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	22.54
Calculated Casing Volumes Purge Duration (min)	207.81
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	8
Previous Well Sampled	MW-30

Well Depth (ft)	115.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	80.47

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/6/2020 11:12	51.42	3134	6.50	15.20	522	2.7	0	
5/6/2020 11:13	51.64	3134	6.60	15.10	520	3.0	0	
5/6/2020 11:14	51.86	3130	6.63	15.05	519	3.2	0	
5/6/2020 11:15	52.08	3130	6.66	15.00	519	3.2	0	

Volume of water purged (gals)	52.08

Final Depth to Water (feet)	82.38

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	240.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Heavy Metals - Cd only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y

Comments:

Arrived on site at 0712. Purge began at 0715. Purged well for a total of 240 minutes. Purge ended and samples collected at 1115. Water was clear. Left site at 1118.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-26
Field Sample ID	MW-26_05062020
Purge Date & Time	5/6/2020 12:29
Sample Date & Time	5/6/2020 12:30

Sampling Program	
Sampling Event	May Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Condtinuous
Purging Method	2 Casings
Casing Volume (gal)	31.00
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	25
Previous Well Sampled	MW-25

Well Depth (ft)	121.33
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	73.85

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/6/2020 12:29		3562	6.52	16.50	495	0	97.0	

Volume of water purged ()	

Final Depth to Water (feet)	80.56

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	10.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
VOCs - ChCl3 and MeCl2	Y	WATER	3	4oz glass jar	U	HCl (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1225. Samples collected at 1230. Water was clear. Left site at 1235.

Signature of Field Technician

Jarrez Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-30
Field Sample ID	MW-30_05062020
Purge Date & Time	5/6/2020 7:05
Sample Date & Time	5/6/2020 10:40

Sampling Program	
Sampling Event	May Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	22.71
Calculated Casing Volumes Purge Duration (min)	209.32
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	8
Previous Well Sampled	MW-36

Well Depth (ft)	110.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.22

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/6/2020 10:37	46.00	2156	6.48	15.07	528	0	54.0	
5/6/2020 10:38	46.22	2160	6.50	15.10	525	0	54.6	
5/6/2020 10:39	46.43	2169	6.50	15.11	526	0	54.6	
5/6/2020 10:40	46.65	2176	6.51	15.10	526	0	54.4	

Volume of water purged (gals)	46.65

Final Depth to Water (feet)	77.81

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	215.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
Heavy Metals - U and Se only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y

Comments:

Arrived on site at 0701. Purge began at 0705. Purged well for a total of 215 minutes. Purge ended and samples collected at 1040. Water was clear. Left site at 1051.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-31
Field Sample ID	MW-31_05052020
Purge Date & Time	5/5/2020 7:15
Sample Date & Time	5/5/2020 13:25

Sampling Program	
Sampling Event	May Monthly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	39.59
Calculated Casing Volumes Purge Duration (min)	364.89
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	10
Previous Well Sampled	N/A
Well Depth (ft)	130.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	69.37

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/5/2020 13:22	79.63	3161	6.50	15.25	538	0	112.0	
5/5/2020 13:23	79.85	3112	6.51	15.10	532	0	111.0	
5/5/2020 13:24	80.07	3122	6.55	15.15	529	0	110.0	
5/5/2020 13:25	80.29	3119	6.60	15.16	526	0	110.0	

Volume of water purged (gals)	80.29
Final Depth to Water (feet)	73.03

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	370.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y

Comments:

Arrived on site at 0711. Purge began at 0715. Purged well for a total of 370 minutes. Purge ended and samples collected at 1325. Water was clear. Left site at 1330.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-36
Field Sample ID	MW-36_05052020
Purge Date & Time	5/5/2020 13:35
Sample Date & Time	5/5/2020 14:45

Sampling Program	
Sampling Event	May Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	7.15
Calculated Casing Volumes Purge Duration (min)	65.90
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	23
Previous Well Sampled	MW-14

Well Depth (ft)	121.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	110.65

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/5/2020 14:42	14.53	4869	6.55	15.29	540	1.0	77.1	
5/5/2020 14:43	14.75	4849	6.60	15.09	537	1.0	76.0	
5/5/2020 14:44	14.97	4836	6.63	15.10	535	1.0	75.6	
5/5/2020 14:45	15.19	4839	6.67	15.00	534	1.0	74.3	

Volume of water purged (gals)	15.19

Final Depth to Water (feet)	111.05

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	70.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N

Comments:

Arrived on site at 1332. Purge began at 1335. Purged well for a total of 70 minutes. Purge ended and samples collected at 1445. Water was clear. Left site at 1447.

Signature of Field Technician

Darren Hollidays

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-65
Field Sample ID	MW-65_05062020
Purge Date & Time	
Sample Date & Time	5/6/2020 10:40

Sampling Program	
Sampling Event	May Monthly
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	
Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
Heavy Metals - U and Se only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y

Comments:

Duplicate of MW-30

Signature of Field Technician

Darren Holliday

Tab C2

Field Data Worksheets Accelerated Monitoring

June 2020

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-11
Field Sample ID	MW-11_06022020
Purge Date & Time	6/2/2020 7:15
Sample Date & Time	6/2/2020 11:45

Sampling Program	
Sampling Event	June Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	29.07
Calculated Casing Volumes Purge Duration (min)	268.00
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	17
Previous Well Sampled	MW-31

Well Depth (ft)	130.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	85.47

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/2/2020 11:42	57.93	2911	7.01	15.00	443	26.0	2.0	
6/2/2020 11:43	58.15	2952	7.06	15.00	437	27.0	2.0	
6/2/2020 11:44	58.37	2954	7.10	14.96	434	27.0	2.0	
6/2/2020 11:45	58.59	2971	7.13	14.95	432	28.0	2.1	

Volume of water purged (gals)	58.59

Final Depth to Water (feet)	85.72

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	270.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Heavy Metals - Mn only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N

Comments:

Arrived on site at 0711. Purge began at 0715. Purged well for a total of 270 minutes. Purge ended and samples collected at 1145. Water was clear, but had tiny little bubbles surfacing. Left site at 1148.

Signature of Field Technician

Durnee Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-14
Field Sample ID	MW-14_06022020
Purge Date & Time	6/2/2020 12:05
Sample Date & Time	6/2/2020 15:05

Sampling Program	
Sampling Event	June Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	17.30
Calculated Casing Volumes Purge Duration (min)	159.48
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	30
Previous Well Sampled	MW-11

Well Depth (ft)	128.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	102.20

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/2/2020 15:02	38.40	3899	6.69	15.20	435	0	2.0	
6/2/2020 15:03	38.62	3881	6.70	15.15	433	0	2.0	
6/2/2020 15:04	38.84	3881	6.71	15.07	433	0	1.9	
6/2/2020 15:05	39.06	3870	6.71	14.99	433	0	2.0	

Volume of water purged (gals)	39.06

Final Depth to Water (feet)	102.52

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	180.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N
Fluoride	Y	WATER	1	250-mL HDPE	U	None	N

Comments:

Arrived on site at 1201. Purge began at 1205. Purged well for a total of 180 minutes. Purge ended and sample collected at 1505. Water was clear. Left site at 1508.

Signature of Field Technician

Durrea Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-25
Field Sample ID	MW-25_06032020
Purge Date & Time	6/3/2020 7:30
Sample Date & Time	6/3/2020 11:05

Sampling Program	
Sampling Event	June Monthly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	21.89
Calculated Casing Volumes Purge Duration (min)	201.79
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	18
Previous Well Sampled	MW-30
Well Depth (ft)	115.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	81.47

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/3/2020 11:02	46.00	3176	6.83	15.50	375	21.8	2.6	
6/3/2020 11:03	46.22	3139	6.81	15.59	374	22.0	2.0	
6/3/2020 11:04	46.43	3157	6.81	15.60	377	23.0	2.1	
6/3/2020 11:05	46.65	3165	6.80	15.52	377	23.0	2.1	

Volume of water purged (gals)	46.65
Final Depth to Water (feet)	82.45

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	215.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Heavy Metals - Cd only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y

Comments:

Arrived on site at 0725. Purge began at 0730. Purged well for a total of 215 minutes. Purge ended and samples collected at 1105. Water was mostly clear with tiny little bubbles surfacing. Left site at 1110.

Signature of Field Technician

Darren Hollday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-26
Field Sample ID	MW-26_06032020
Purge Date & Time	6/3/2020 13:43
Sample Date & Time	6/3/2020 13:45

Sampling Program	
Sampling Event	June Monthly
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.49
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	31
Previous Well Sampled	MW-25
Well Depth (ft)	121.33
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	79.23

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/3/2020 13:44		3543	6.60	18.90	447	1.0	89.0	

Volume of water purged ()	
Final Depth to Water (feet)	94.87

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	10.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
VOCs - ChCl3 and MeCl2	Y	WATER	3	4oz glass jar	U	HCl (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1341. Samples collected at 1345. Water was clear. Left site at 1349.

Signature of Field Technician

Dawn Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-30
Field Sample ID	MW-30_06032020
Purge Date & Time	6/3/2020 7:15
Sample Date & Time	6/3/2020 10:45

Sampling Program	
Sampling Event	June Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	22.75
Calculated Casing Volumes Purge Duration (min)	209.74
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	18
Previous Well Sampled	MW-36

Well Depth (ft)	110.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.15

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/3/2020 10:42	44.91	2171	6.53	15.00	484	0	41.0	
6/3/2020 10:43	45.13	2180	6.55	14.98	481	0	40.0	
6/3/2020 10:44	45.35	2170	6.65	14.96	480	0	40.0	
6/3/2020 10:45	45.57	2170	6.58	14.95	481	0	39.0	

Volume of water purged (gals)	45.57

Final Depth to Water (feet)	77.70

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	210.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
Heavy Metals - U and Se only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y

Comments:

Arrived on site at 0710. Purge began at 0715. Purged well for a total of 210 minutes. Purge ended and samples collected at 1045. Water was clear. Left site at 1050.

Signature of Field Technician

Groundwater Discharge Permit

Groundwater Monitoring Quality Assurance Plan

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-31
Field Sample ID	MW-31_06022020
Purge Date & Time	6/2/2020 7:00
Sample Date & Time	6/2/2020 13:10

Sampling Program	
Sampling Event	June Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	39.73
Calculated Casing Volumes Purge Duration (min)	366.22
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C	16
Previous Well Sampled	N/A

Well Depth (ft)	130.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft	69.15

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/2/2020 13:07	79.63	3138	6.70	15.40	430	0	112.0	
6/2/2020 13:08	79.85	3130	6.73	15.48	428	0	111.0	
6/2/2020 13:09	80.07	3133	6.80	15.50	426	0	111.0	
6/2/2020 13:10	80.29	3137	6.84	15.51	425	0	110.0	

Volume of water purged (gals)	80.29

Final Depth to Water (feet)	72.97

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	370.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N
Total Dissolved Soilds	Y	WATER	1	250-mL HDPE	U	4 Deg C	Y

Comments:

Arrived on site at 0656. Purge began at 0700. Purged well for a total of 370 minutes. Purge ended and samples collected at 1310. Water was clear. Left site at 1315.

Signature of Field Technician

Dunrea Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-36
Field Sample ID	MW-36_06022020
Purge Date & Time	6/2/2020 13:25
Sample Date & Time	6/2/2020 14:35

Sampling Program	
Sampling Event	June Monthly

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	7.16
Calculated Casing Volumes Purge Duration (min)	66.02
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	31
Previous Well Sampled	MW-14

Well Depth (ft)	121.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	110.63

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/2/2020 14:32	14.53	4972	6.75	15.40	439	0	79.0	
6/2/2020 14:33	14.75	4882	7.75	15.25	437	0	78.0	
6/2/2020 14:34	14.97	4895	6.80	15.16	436	0	78.0	
6/2/2020 14:35	15.19	4871	6.83	15.18	435	0	78.0	

Volume of water purged (gals)	15.19

Final Depth to Water (feet)	111.05

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	70.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Sulfate	Y	WATER	1	250-mL HDPE	U	None	N

Comments:

Arrived on site at 1321. Purge began at 1325. Purged well for a total of 70 minutes. Purge ended and samples collected at 1435. Water was clear. Left site at 1438.

Signature of Field Technician

Dannea Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-65
Field Sample ID	MW-65_06032020
Purge Date & Time	
Sample Date & Time	6/3/2020 11:05

Sampling Program	
Sampling Event	June Monthly
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	
Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
Heavy Metals - Cd only	Y	WATER	1	250-mL HDPE	Y	HNO3 (pH<2)	Y

Comments:

Duplicate of MW-25

Signature of Field Technician

Dawn Holliday

Tab D

Quarterly Depth to Water

Name: Deen Lyman, Tanner Holliday

Date: 5/4/2020-5/5/2020

Date	Time	Well	Depth to Water (ft.)
5/5/2020	1224	MW-01	64.51
5/5/2020	1453	MW-02	109.77
5/5/2020	1118	MW-03A	83.98
5/5/2020	958	MW-05	108.21
5/5/2020	1040	MW-11	85.25
5/5/2020	1001	MW-12	107.15
5/5/2020	1030	MW-14	102.28
5/5/2020	1026	MW-15	105.31
5/5/2020	1100	MW-17	71.59
5/5/2020	1219	MW-18	73.26
5/5/2020	1207	MW-19	64.63
5/5/2020	1310	MW-20	89.71
5/5/2020	1305	MW-22	66.49
5/5/2020	1459	MW-23	117.15
5/5/2020	1405	MW-24A	112.03
5/5/2020	1405	MW-24	110.94
5/5/2020	1035	MW-25	79.63
5/5/2020	848	MW-26	85.63
5/5/2020	1409	MW-27	57.17
5/5/2020	1352	MW-28	74.70
5/5/2020	1130	MW-29	107.75
5/5/2020	1524	MW-30	75.23
5/5/2020	1519	MW-31	68.48
5/5/2020	1515	MW-32	80.25
5/5/2020	1011	MW-33	DRY
5/5/2020	1017	MW-34	107.61
5/5/2020	1503	MW-35	112.38
5/5/2020	1506	MW-36	110.60
5/5/2020	1021	MW-37	113.55
5/5/2020	1319	MW-38	70.03
5/5/2020	1315	MW-39	64.88
5/5/2020	1055	MW-40	80.15

Date	Time	Well	Depth to Water (ft.)
5/4/2020	921	MW-04	88.70
5/4/2020	927	TW4-01	106.14
5/4/2020	916	TW4-02	110.21
5/4/2020	1106	TW4-03	63.31
5/4/2020	944	TW4-04	80.33
5/4/2020	1115	TW4-05	70.55
5/4/2020	1055	TW4-06	78.02
5/4/2020	1058	TW4-07	82.78
5/4/2020	1102	TW4-08	86.15
5/4/2020	1113	TW4-09	68.55
5/4/2020	1119	TW4-10	67.97
5/4/2020	910	TW4-11	90.60
5/4/2020	1038	TW4-12	54.78
5/4/2020	1035	TW4-13	56.12
5/4/2020	1028	TW4-14	77.65
5/4/2020	1123	TW4-16	72.40
5/4/2020	1130	TW4-18	71.60
5/4/2020	1010	TW4-19	68.18
5/4/2020	838	TW4-20	69.90
5/4/2020	804	TW4-21	72.12
5/4/2020	828	TW4-22	70.23
5/4/2020	1052	TW4-23	74.61
5/4/2020	821	TW4-24	69.51
5/4/2020	809	TW4-25	72.45
5/4/2020	1048	TW4-26	72.60
5/4/2020	900	TW4-27	78.97
5/4/2020	1041	TW4-28	47.99
5/4/2020	1025	TW4-29	77.53
5/4/2020	1015	TW4-30	75.08
5/4/2020	904	TW4-31	76.57
5/4/2020	1044	TW4-32	55.55
5/4/2020	857	TW4-33	77.05
5/4/2020	1022	TW4-34	75.72
5/4/2020	1018	TW4-35	75.07
5/4/2020	1032	TW4-36	57.65
5/4/2020	834	TW4-37	76.17
5/4/2020	1110	TW4-38	58.79
5/4/2020	843	TW4-39	85.05
5/4/2020	952	TW4-40	71.77
5/4/2020	937	TW4-41	88.02
5/4/2020	853	TW4-42	68.60

Date	Time	Well	Depth to Water (ft.)
5/5/2020	1211	PIEZ-01	66.49
5/5/2020	1203	PIEZ-02	43.95
5/5/2020	1429	PIEZ-03A	55.93
5/5/2020	1044	PIEZ-04	65.71
5/5/2020	1049	PIEZ-05	64.44
5/5/2020	1445	TWN-01	67.85
5/5/2020	815	TWN-02	59.80
5/5/2020	1435	TWN-03	42.72
5/5/2020	1418	TWN-04	60.88
5/5/2020	1215	TWN-06	79.67
5/5/2020	1228	TWN-07	82.12
5/5/2020	1240	TWN-14	59.36
5/5/2020	1236	TWN-16	47.40
5/5/2020	1414	TWN-18	62.11
5/5/2020	1300	TWN-19	53.79
5/5/2020	1338	DR-05	82.77
5/5/2020	1334	DR-06	94.23
5/5/2020	1005	DR-07	91.34
5/5/2020	1349	DR-08	51.52
5/5/2020	1345	DR-09	86.43
5/5/2020	1329	DR-10	78.25
5/5/2020	1113	DR-11	98.41
5/5/2020	1109	DR-12	91.56
5/5/2020	1104	DR-13	69.20
5/5/2020	1355	DR-14	75.75
5/5/2020	1324	DR-15	92.36
5/5/2020	1359	DR-17	64.78
5/5/2020	1403	DR-19	63.20
5/5/2020	1420	DR-20	55.51
5/5/2020	1425	DR-21	100.16
5/5/2020	1408	DR-22	DRY
5/5/2020	1430	DR-23	70.38
5/5/2020	1412	DR-24	44.00

MW-26 = TW4-15

Comments: MW-32 = TW4-17

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-001
Client Sample ID: MW-01_04152020
Collection Date: 4/15/2020 1340h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1908h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1255h	E200.7	20.0	**189**	2
Chromium	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1908h	E200.8	0.0300	**0.315**	
Lead	mg/L	4/20/2020 904h	4/28/2020 1908h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1255h	E200.7	20.0	**69.6**	2
Manganese	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0100	**0.213**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1113h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1727h	E200.7	1.00	**6.99**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1255h	E200.7	20.0	**191**	2
Thallium	mg/L	4/20/2020 904h	4/28/2020 1908h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2000h	E200.8	0.000300	< 0.000300	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1727h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1730h	E200.8	0.0100	< 0.0100	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-001
Client Sample ID: MW-01_04152020
Collection Date: 4/15/2020 1340h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1505h	E350.1	0.0500	**0.0860**	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**258**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 359h	E300.0	1.00	**18.4**	
Fluoride	mg/L		4/29/2020 954h	E300.0	0.200	**0.299**	
Ion Balance	%		5/3/2020	Calc.	-100	**5.93**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 842h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/28/2020 054h	E300.0	75.0	**737**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**21.0**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**23.7**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**1,250**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.913**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**1,370**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-001A
Client Sample ID: MW-01_04152020
Collection Date: 4/15/2020 1340h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1317h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**7.19**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.9	50.00	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.7	50.00	93.4	72-135	
Surr: Toluene-d8	2037-26-5	47.9	50.00	95.9	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-01_04152020	Project:	DNMI00100
Sample ID:	509725001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-APR-20 13:40		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.103	0.276	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			84.6	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-001
Client Sample ID: MW-02_04072020
Collection Date: 4/7/2020 1430h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1508h	E200.7	10.0	**342**	2
Chromium	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1648h	E200.7	5.00	**103**	2
Manganese	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1109h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1648h	E200.7	5.00	**12.1**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.00500	**0.0109**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1538h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1426h	E200.7	20.0	**548**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1538h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2129h	E200.8	0.000300	**0.0130**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1204h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 1952h	E200.8	0.0100	< 0.0100	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-001
Client Sample ID: MW-02_04072020
Collection Date: 4/7/2020 1430h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1205h	E350.1	0.0500	< 0.0500	1
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**292**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 2251h	E300.0	1.00	**6.68**	
Fluoride	mg/L		4/20/2020 2251h	E300.0	0.100	**0.214**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**4.38**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1304h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/20/2020 1535h	E300.0	150	**1,900**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**45.5**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**49.7**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**2,650**	@
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.860**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,080**	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.
1 - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-001A
Client Sample ID: MW-02_04072020
Collection Date: 4/7/2020 1430h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1355h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.3	50.00	98.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.9	50.00	93.8	72-135	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.1	80-124	

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-02_04072020	Project:	DNMI00100
Sample ID:	509346001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-APR-20 14:30		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.38	+/-0.367	0.994	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			105	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-002
Client Sample ID: MW-03A_04132020
Collection Date: 4/13/2020 700h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1911h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.000500	**0.000848**	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1303h	E200.7	20.0	**477**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1911h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/20/2020 904h	4/28/2020 1911h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1303h	E200.7	20.0	**288**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0100	**0.0557**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1116h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1735h	E200.7	1.00	**29.7**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.00500	**0.0700**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1303h	E200.7	20.0	**897**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1911h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2003h	E200.8	0.000300	**0.0196**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1735h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1739h	E200.8	0.0100	**0.0192**	

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Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-002
Client Sample ID: MW-03A_04132020
Collection Date: 4/13/2020 700h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1509h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**316**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 415h	E300.0	1.00	**60.1**	
Fluoride	mg/L		5/6/2020 1215h	E300.0	0.400	**0.945**	
Ion Balance	%		5/3/2020	Calc.	-100	**5.00**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 850h	E353.2	0.100	**0.856**	
Sulfate	mg/L		4/28/2020 145h	E300.0	375	**3,410**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**79.0**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**87.3**	
Total Dissolved Solids	mg/L		4/17/2020 1135h	SM2540C	20.0	**5,300**	@
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.991**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**5,350**	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-002A
Client Sample ID: MW-03A_04132020
Collection Date: 4/13/2020 700h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1337h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.2	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.8	50.00	99.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.7	50.00	93.5	72-135	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.4	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-03A_04132020	Project:	DNMI00100
Sample ID:	509725002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	13-APR-20 07:00		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.100	0.242	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			91.9	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-002
Client Sample ID: MW-05_04082020
Collection Date: 4/8/2020 1520h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1620h	E200.7	5.00	**155**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0300	**0.0340**	
Lead	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1620h	E200.7	5.00	**45.0**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0100	**0.128**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1111h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1620h	E200.7	5.00	**8.45**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1547h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1434h	E200.7	20.0	**538**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1547h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2132h	E200.8	0.000300	**0.000643**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1212h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2007h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-002
Client Sample ID: MW-05_04082020
Collection Date: 4/8/2020 1520h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1207h	E350.1	0.0500	**0.369**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**280**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 2308h	E300.0	1.00	**49.0**	
Fluoride	mg/L		4/21/2020 251h	E300.0	0.100	**0.814**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**4.46**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1308h	E353.2	0.100	**0.142**	
Sulfate	mg/L		4/29/2020 1704h	E300.0	75.0	**1,200**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**32.1**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**35.1**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**2,130**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**1.16**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**2,170**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-002A
Client Sample ID: MW-05_04082020
Collection Date: 4/8/2020 1520h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1415h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**2.36**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.9	50.00	91.7	72-135	
Surr: Toluene-d8	2037-26-5	47.9	50.00	95.9	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-05_04082020	Project:	DNMI00100
Sample ID:	509346002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 15:20		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.219	0.971	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			104	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-003
Client Sample ID: MW-11_04082020
Collection Date: 4/8/2020 1140h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1622h	E200.7	5.00	**101**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1622h	E200.7	5.00	**32.9**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0100	**0.189**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1121h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1622h	E200.7	5.00	**8.83**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1550h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1437h	E200.7	20.0	**639**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1550h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2135h	E200.8	0.000300	**0.00101**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1215h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2010h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-003
Client Sample ID: MW-11_04082020
Collection Date: 4/8/2020 1140h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1208h	E350.1	0.0500	**0.702**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**280**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 2325h	E300.0	1.00	**38.3**	
Fluoride	mg/L		4/21/2020 308h	E300.0	0.100	**0.362**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**6.82**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1309h	E353.2	0.100	**0.297**	
Sulfate	mg/L		4/20/2020 1642h	E300.0	75.0	**1,180**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**31.2**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**35.7**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**1,920**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.886**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**2,160**	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-003A
Client Sample ID: MW-11_04082020
Collection Date: 4/8/2020 1140h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1435h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.2	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.2	50.00	92.4	72-135	
Surr: Toluene-d8	2037-26-5	48.7	50.00	97.4	80-124	

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Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-11_04082020	Project:	DNMI00100
Sample ID:	509346003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 11:40		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.303	0.984	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-004
Client Sample ID: MW-12_04092020
Collection Date: 4/9/2020 920h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1517h	E200.7	10.0	**544**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0300	**0.0317**	
Lead	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1656h	E200.7	5.00	**238**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0100	**0.0246**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1123h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1656h	E200.7	5.00	**14.6**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.00500	**0.0412**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1553h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1522h	E200.7	10.0	**346**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1553h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2138h	E200.8	0.000300	**0.0237**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1218h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2013h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-004
Client Sample ID: MW-12_04092020
Collection Date: 4/9/2020 920h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1209h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**296**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 2342h	E300.0	1.00	**63.4**	
Fluoride	mg/L		4/21/2020 325h	E300.0	0.100	< 0.100	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**3.16**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1310h	E353.2	0.100	**0.109**	
Sulfate	mg/L		4/20/2020 1659h	E300.0	150	**2,430**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**58.4**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**62.2**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**3,380**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.887**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,820**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-004A
Client Sample ID: MW-12_04092020
Collection Date: 4/9/2020 920h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1455h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**1.89**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.5	50.00	99.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.8	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.3	50.00	90.6	72-135	
Surr: Toluene-d8	2037-26-5	48.2	50.00	96.4	80-124	

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Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-12_04092020	Project:	DNMI00100
Sample ID:	509346004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-APR-20 09:20		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.255	0.971	1.00	pCi/L			JXK3	04/29/20	1332	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-005
Client Sample ID: MW-14_04062020
Collection Date: 4/6/2020 1505h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.000500	**0.00135**	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1520h	E200.7	10.0	**540**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1659h	E200.7	5.00	**172**	
Manganese	mg/L	4/16/2020 800h	4/24/2020 1505h	E200.8	0.0100	**1.89**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1129h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1659h	E200.7	5.00	**13.8**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1556h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1525h	E200.7	10.0	**361**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1556h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2141h	E200.8	0.000300	**0.0590**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1221h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2026h	E200.8	0.0100	**0.0132**	

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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-005
Client Sample ID: MW-14_04062020
Collection Date: 4/6/2020 1505h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1209h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**300**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 2359h	E300.0	1.00	**19.3**	
Fluoride	mg/L		4/21/2020 342h	E300.0	0.100	< 0.100	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**2.62**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1311h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/20/2020 1749h	E300.0	150	**2,290**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**54.2**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**57.1**	
Total Dissolved Solids	mg/L		4/10/2020 1420h	SM2540C	20.0	**3,480**	@
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.973**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,580**	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-005A
Client Sample ID: MW-14_04062020
Collection Date: 4/6/2020 1505h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1515h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.5	50.00	99.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	44.8	50.00	89.6	72-135	
Surr: Toluene-d8	2037-26-5	48.2	50.00	96.4	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-14_04062020	Project:	DNMI00100
Sample ID:	509346005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	06-APR-20 15:05		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.22	+/-0.409	0.959	1.00	pCi/L			JXK3	04/29/20	1332	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.3	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-006
Client Sample ID: MW-15_04072020
Collection Date: 4/7/2020 1025h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1523h	E200.7	10.0	**489**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1701h	E200.7	5.00	**177**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1132h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1701h	E200.7	5.00	**12.1**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.00500	**0.105**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1559h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1527h	E200.7	10.0	**510**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1559h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2144h	E200.8	0.000300	**0.0431**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1223h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2029h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-006
Client Sample ID: MW-15_04072020
Collection Date: 4/7/2020 1025h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1210h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**320**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 016h	E300.0	1.00	**39.6**	
Fluoride	mg/L		4/21/2020 359h	E300.0	0.100	**0.117**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**2.78**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1312h	E353.2	0.100	**0.189**	
Sulfate	mg/L		4/20/2020 1806h	E300.0	150	**2,430**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**58.1**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**61.5**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**3,520**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.915**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,850**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-006A
Client Sample ID: MW-15_04072020
Collection Date: 4/7/2020 1025h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1536h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.9	50.00	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.0	50.00	90.1	72-135	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.0	80-124	

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-15_04072020	Project:	DNMI00100
Sample ID:	509346006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-APR-20 10:25		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.300	0.976	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.8	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-003
Client Sample ID: MW-17_04132020
Collection Date: 4/13/2020 1120h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1914h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1306h	E200.7	20.0	**305**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1914h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/20/2020 904h	4/28/2020 1914h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1306h	E200.7	20.0	**146**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0100	**0.0487**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1126h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1737h	E200.7	1.00	**11.0**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.00500	**0.0126**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1306h	E200.7	20.0	**517**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1914h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2006h	E200.8	0.000300	**0.0211**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1737h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1742h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-003
Client Sample ID: MW-17_04132020
Collection Date: 4/13/2020 1120h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1510h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**320**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 432h	E300.0	1.00	**32.3**	
Fluoride	mg/L		4/29/2020 1027h	E300.0	0.200	**0.202**	
Ion Balance	%		5/3/2020	Calc.	-100	**4.73**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 851h	E353.2	0.100	**1.15**	
Sulfate	mg/L		4/28/2020 201h	E300.0	150	**1,830**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**45.5**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**50.0**	
Total Dissolved Solids	mg/L		4/17/2020 1135h	SM2540C	20.0	**3,010**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.992**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**3,040**	

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Jose Rocha
QA Officer

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-003A
Client Sample ID: MW-17_04132020
Collection Date: 4/13/2020 1120h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1357h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.2	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.3	50.00	98.5	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.6	50.00	93.3	72-135	
Surr: Toluene-d8	2037-26-5	47.7	50.00	95.5	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-17_04132020	Project:	DNMI00100
Sample ID:	509725003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	13-APR-20 11:20		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.122	0.329	1.00	pCi/L			JXK3	05/06/20	1715	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-004
Client Sample ID: MW-18_04142020
Collection Date: 4/14/2020 1240h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1917h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1308h	E200.7	20.0	**586**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1917h	E200.8	0.0300	**0.0307**	
Lead	mg/L	4/20/2020 904h	4/28/2020 1917h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1308h	E200.7	20.0	**135**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0100	**0.0848**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1128h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1740h	E200.7	1.00	**8.84**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1308h	E200.7	20.0	**211**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1917h	E200.8	0.000500	**0.00224**	
Tin	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2009h	E200.8	0.000300	**0.0297**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1740h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1754h	E200.8	0.0100	< 0.0100	

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QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-004
Client Sample ID: MW-18_04142020
Collection Date: 4/14/2020 1240h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1511h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**358**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 449h	E300.0	1.00	**45.5**	
Fluoride	mg/L		4/29/2020 1044h	E300.0	0.200	**0.227**	
Ion Balance	%		5/3/2020	Calc.	-100	**3.09**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 853h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/28/2020 218h	E300.0	150	**1,840**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**46.8**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**49.7**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**3,020**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.992**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**3,040**	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-004A
Client Sample ID: MW-18_04142020
Collection Date: 4/14/2020 1240h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1417h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.3	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.8	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.2	50.00	92.3	72-135	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.3	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-18_04142020	Project:	DNMI00100
Sample ID:	509725004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	14-APR-20 12:40		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.0942	0.194	1.00	pCi/L			JXK3	05/06/20	1713	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.8	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-005
Client Sample ID: MW-19_04132020
Collection Date: 4/13/2020 1430h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1920h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1219h	E200.7	50.0	**138**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1920h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/20/2020 904h	4/28/2020 1920h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1219h	E200.7	50.0	**50.5**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1134h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1743h	E200.7	1.00	**4.81**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.00500	**0.0118**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1219h	E200.7	50.0	**113**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1920h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2012h	E200.8	0.000300	**0.00618**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1743h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1757h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-005
Client Sample ID: MW-19_04132020
Collection Date: 4/13/2020 1430h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1511h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**168**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 506h	E300.0	1.00	**29.3**	
Fluoride	mg/L		4/29/2020 1101h	E300.0	0.100	**1.16**	
Ion Balance	%		5/3/2020	Calc.	-100	**7.29**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 856h	E353.2	0.100	**2.39**	
Sulfate	mg/L		4/28/2020 235h	E300.0	37.5	**466**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**13.9**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**16.1**	
Total Dissolved Solids	mg/L		4/17/2020 1135h	SM2540C	20.0	**1,080**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**1.19**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**905**	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-005A
Client Sample ID: MW-19_04132020
Collection Date: 4/13/2020 1430h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1437h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.4	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.0	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.3	50.00	90.5	72-135	
Surr: Toluene-d8	2037-26-5	47.3	50.00	94.7	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-19_04132020	Project:	DNMI00100
Sample ID:	509725005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	13-APR-20 14:30		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.207	0.605	1.00	pCi/L			JXK3	05/06/20	1713	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			95.8	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-001
Client Sample ID: MW-20_04212020
Collection Date: 4/21/2020 1345h
Received Date: 4/23/2020 1215h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/27/2020 1406h	4/28/2020 1551h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/27/2020 1406h	5/4/2020 1549h	E200.7	20.0	**330**	2
Chromium	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/27/2020 1406h	4/28/2020 1551h	E200.8	0.0300	**0.132**	
Lead	mg/L	4/27/2020 1406h	4/28/2020 1551h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/27/2020 1406h	5/4/2020 1705h	E200.7	1.00	**15.2**	
Manganese	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/24/2020 1442h	4/27/2020 1004h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0100	**0.0192**	
Nickel	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/27/2020 1406h	5/4/2020 1705h	E200.7	1.00	**21.7**	
Selenium	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/27/2020 1406h	5/4/2020 1549h	E200.7	20.0	**1,190**	2
Thallium	mg/L	4/27/2020 1406h	4/28/2020 1551h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/27/2020 1406h	4/28/2020 1230h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/27/2020 1406h	4/30/2020 1816h	E200.8	0.000300	**0.000888**	
Vanadium	mg/L	4/27/2020 1406h	5/4/2020 1705h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/7/2020 948h	5/7/2020 1600h	E200.8	0.0100	< 0.0100	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-001
Client Sample ID: MW-20_04212020
Collection Date: 4/21/2020 1345h
Received Date: 4/23/2020 1215h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/1/2020 1014h	5/4/2020 821h	E350.1	0.0500	**0.170**	
Bicarbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	**101**	
Carbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/1/2020 2348h	E300.0	1.00	**59.3**	
Fluoride	mg/L		5/2/2020 223h	E300.0	0.100	**0.122**	
Ion Balance	%		5/4/2020 1732h	Calc.	-100	**3.26**	
Nitrate/Nitrite (as N)	mg/L		4/24/2020 1229h	E353.2	0.200	**8.75**	
Sulfate	mg/L		5/1/2020 1434h	E300.0	375	**2,970**	
Total Anions, Measured	meq/L		5/4/2020 1732h	Calc.		**65.7**	
Total Cations, Measured	meq/L		5/4/2020 1732h	Calc.		**70.1**	
Total Dissolved Solids	mg/L		4/23/2020 1500h	SM2540C	20.0	**4,200**	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2020 1732h	Calc.		**0.902**	
Total Dissolved Solids, Calculated	mg/L		5/4/2020 1732h	Calc.		**4,660**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-001A
Client Sample ID: MW-20_04212020
Collection Date: 4/21/2020 1345h
Received Date: 4/23/2020 1215h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/23/2020 1439h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	#
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.3	50.00	94.6	72-135	
Surr: Toluene-d8	2037-26-5	49.7	50.00	99.4	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 13, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-20_04212020	Project:	DNMI00100
Sample ID:	510160001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	21-APR-20 13:45		
Receive Date:	27-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.289	0.974	1.00	pCi/L			JXK3	05/11/20	1445	1994445	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-006
Client Sample ID: MW-22_04152020
Collection Date: 4/15/2020 1120h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1923h	E200.8	0.000500	**0.0112**	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.000500	**0.175**	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1313h	E200.7	20.0	**446**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0100	**0.548**	
Copper	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0100	**0.111**	
Iron	mg/L	4/20/2020 904h	4/28/2020 1923h	E200.8	0.0300	**0.105**	
Lead	mg/L	4/20/2020 904h	4/28/2020 1923h	E200.8	0.00100	**0.00281**	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1220h	E200.7	50.0	**1,330**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1834h	E200.8	0.100	**50.4**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1136h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0100	**0.406**	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0200	**0.316**	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1745h	E200.7	1.00	**23.3**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.00500	**0.0192**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1313h	E200.7	20.0	**312**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1923h	E200.8	0.000500	**0.00169**	
Tin	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2015h	E200.8	0.000300	**0.0138**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1745h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1800h	E200.8	0.0100	**1.51**	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-006
Client Sample ID: MW-22_04152020
Collection Date: 4/15/2020 1120h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1512h	E350.1	0.0500	**0.907**	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**35.0**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 2246h	E300.0	1.00	**58.3**	
Fluoride	mg/L		4/28/2020 2246h	E300.0	0.500	**11.9**	
Ion Balance	%		5/3/2020	Calc.	-100	**3.43**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 857h	E353.2	0.100	**2.87**	
Sulfate	mg/L		4/28/2020 1835h	E300.0	750	**6,430**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**136**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**146**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**9,390**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**1.09**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**8,630**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-006A
Client Sample ID: MW-22_04152020
Collection Date: 4/15/2020 1120h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1457h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.5	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.2	50.00	90.5	72-135	
Surr: Toluene-d8	2037-26-5	47.4	50.00	94.9	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-22_04152020	Project:	DNMI00100
Sample ID:	509725006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-APR-20 11:20		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		3.10	+/-0.177	0.244	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			92.9	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-002
Client Sample ID: MW-23_04212020
Collection Date: 4/21/2020 1230h
Received Date: 4/23/2020 1215h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/27/2020 1406h	4/28/2020 1554h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/27/2020 1406h	5/4/2020 1651h	E200.7	10.0	**456**	
Chromium	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/27/2020 1406h	4/28/2020 1554h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/27/2020 1406h	4/28/2020 1554h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/27/2020 1406h	5/4/2020 1651h	E200.7	10.0	**160**	
Manganese	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/24/2020 1442h	4/27/2020 1018h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/27/2020 1406h	5/4/2020 1713h	E200.7	1.00	**10.0**	
Selenium	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/27/2020 1406h	5/4/2020 1651h	E200.7	10.0	**408**	
Thallium	mg/L	4/27/2020 1406h	4/28/2020 1554h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/27/2020 1406h	4/30/2020 1825h	E200.8	0.000300	**0.00751**	
Vanadium	mg/L	4/27/2020 1406h	5/4/2020 1713h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/27/2020 1406h	4/28/2020 1239h	E200.8	0.0100	< 0.0100	

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QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-002
Client Sample ID: MW-23_04212020
Collection Date: 4/21/2020 1230h
Received Date: 4/23/2020 1215h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/1/2020 1014h	5/4/2020 823h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	**270**	
Carbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/2/2020 006h	E300.0	1.00	**7.80**	
Fluoride	mg/L		5/2/2020 006h	E300.0	0.100	**0.119**	
Ion Balance	%		5/4/2020 1732h	Calc.	-100	**-0.434**	
Nitrate/Nitrite (as N)	mg/L		4/24/2020 1238h	E353.2	0.100	**0.190**	
Sulfate	mg/L		5/1/2020 1524h	E300.0	150	**2,340**	
Total Anions, Measured	meq/L		5/4/2020 1732h	Calc.		**54.4**	
Total Cations, Measured	meq/L		5/4/2020 1732h	Calc.		**53.9**	
Total Dissolved Solids	mg/L		4/23/2020 1500h	SM2540C	20.0	**3,440**	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2020 1732h	Calc.		**0.970**	
Total Dissolved Solids, Calculated	mg/L		5/4/2020 1732h	Calc.		**3,540**	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-002A
Client Sample ID: MW-23_04212020
Collection Date: 4/21/2020 1230h
Received Date: 4/23/2020 1215h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/23/2020 1519h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	#
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.4	50.00	98.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.8	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.1	50.00	92.2	72-135	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.7	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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Certificate of Analysis

Report Date: May 13, 2020

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: White Mesa Mill GW

Client Sample ID: MW-23_04212020
Sample ID: 510160002
Matrix: Ground Water
Collect Date: 21-APR-20 12:30
Receive Date: 27-APR-20
Collector: Client

Project: DNMI00100
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.315	0.996	1.00	pCi/L			JXK3	05/11/20	1445	1994445	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-003
Client Sample ID: MW-24_04222020
Collection Date: 4/22/2020 840h
Received Date: 4/23/2020 1215h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/27/2020 1406h	4/28/2020 1557h	E200.8	0.000500	**0.00295**	
Cadmium	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.000500	**0.00846**	
Calcium	mg/L	4/27/2020 1406h	5/4/2020 1648h	E200.7	10.0	**520**	
Chromium	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0100	**0.125**	
Copper	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0100	**0.0105**	
Iron	mg/L	4/27/2020 1406h	4/28/2020 1557h	E200.8	0.0300	**0.0684**	
Lead	mg/L	4/27/2020 1406h	4/28/2020 1557h	E200.8	0.00100	**0.00285**	
Magnesium	mg/L	4/27/2020 1406h	5/4/2020 1648h	E200.7	10.0	**210**	
Manganese	mg/L	4/27/2020 1406h	4/28/2020 1254h	E200.8	0.0100	**7.75**	
Mercury	mg/L	4/24/2020 1442h	4/27/2020 1020h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0200	**0.0726**	
Potassium	mg/L	4/27/2020 1406h	5/4/2020 1727h	E200.7	1.00	**13.5**	
Selenium	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.00500	**0.00696**	
Silver	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/27/2020 1406h	5/4/2020 1648h	E200.7	10.0	**503**	
Thallium	mg/L	4/27/2020 1406h	4/28/2020 1557h	E200.8	0.000500	**0.00281**	
Tin	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/27/2020 1406h	4/30/2020 1828h	E200.8	0.000300	**0.00551**	
Vanadium	mg/L	4/27/2020 1406h	5/4/2020 1727h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/27/2020 1406h	4/28/2020 1242h	E200.8	0.0100	**0.146**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-003
Client Sample ID: MW-24_04222020
Collection Date: 4/22/2020 840h
Received Date: 4/23/2020 1215h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/1/2020 1014h	5/4/2020 824h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	**9.20**	
Carbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/2/2020 023h	E300.0	1.00	**45.5**	
Fluoride	mg/L		5/2/2020 240h	E300.0	0.100	**0.732**	
Ion Balance	%		5/4/2020 1732h	Calc.	-100	**3.36**	
Nitrate/Nitrite (as N)	mg/L		4/24/2020 1239h	E353.2	0.100	**0.256**	
Sulfate	mg/L		5/1/2020 1541h	E300.0	150	**2,870**	
Total Anions, Measured	meq/L		5/4/2020 1732h	Calc.		**61.2**	
Total Cations, Measured	meq/L		5/4/2020 1732h	Calc.		**65.4**	
Total Dissolved Solids	mg/L		4/23/2020 1500h	SM2540C	20.0	**3,840**	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2020 1732h	Calc.		**0.923**	
Total Dissolved Solids, Calculated	mg/L		5/4/2020 1732h	Calc.		**4,160**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-003A
Client Sample ID: MW-24_04222020
Collection Date: 4/22/2020 840h
Received Date: 4/23/2020 1215h
Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/23/2020 1539h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	#
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.3	50.00	98.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.8	50.00	91.6	72-135	
Surr: Toluene-d8	2037-26-5	49.3	50.00	98.6	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 13, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-24_04222020	Project:	DNMI00100
Sample ID:	510160003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	22-APR-20 08:40		
Receive Date:	27-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		5.69	+/-0.602	0.946	1.00	pCi/L			JXK3	05/11/20	1445	1994445	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-010
Client Sample ID: MW-24A_04142020
Collection Date: 4/14/2020 1410h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1944h	E200.8	0.000500	**0.00374**	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.000500	**0.00930**	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1337h	E200.7	20.0	**484**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0100	**0.136**	
Copper	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0100	**0.0138**	
Iron	mg/L	4/20/2020 904h	4/28/2020 1944h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/20/2020 904h	4/28/2020 1944h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1337h	E200.7	20.0	**184**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1843h	E200.8	0.0100	**7.87**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1144h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0200	**0.0621**	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1811h	E200.7	1.00	**13.7**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.00500	**0.00690**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1337h	E200.7	20.0	**499**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1944h	E200.8	0.000500	**0.00177**	
Tin	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2027h	E200.8	0.000300	**0.00548**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1811h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1818h	E200.8	0.0100	**0.0831**	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-010
Client Sample ID: MW-24A_04142020
Collection Date: 4/14/2020 1410h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1515h	E350.1	0.0500	**0.136**	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**5.10**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 2320h	E300.0	1.00	**44.6**	
Fluoride	mg/L		4/29/2020 1208h	E300.0	0.400	**1.61**	
Ion Balance	%		5/3/2020	Calc.	-100	**0.814**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 907h	E353.2	0.100	**0.233**	
Sulfate	mg/L		4/28/2020 1942h	E300.0	375	**2,840**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**60.4**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**61.4**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**3,920**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.965**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**4,060**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-010A
Client Sample ID: MW-24A_04142020
Collection Date: 4/14/2020 1410h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1618h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.4	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.6	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.3	50.00	90.6	72-135	
Surr: Toluene-d8	2037-26-5	47.9	50.00	95.7	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-24A_04142020	Project:	DNMI00100
Sample ID:	509725010	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	14-APR-20 14:10		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		2.04	+/-0.143	0.233	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-007
Client Sample ID: MW-25_04072020
Collection Date: 4/7/2020 1410h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.000500	**0.00146**	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1525h	E200.7	10.0	**375**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0100	**0.0102**	
Copper	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1704h	E200.7	5.00	**133**	
Manganese	mg/L	4/16/2020 800h	4/24/2020 1508h	E200.8	0.0100	**1.46**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1134h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0100	**0.0183**	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1704h	E200.7	5.00	**12.0**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1602h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1530h	E200.7	10.0	**320**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1602h	E200.8	0.000500	**0.000806**	
Tin	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2147h	E200.8	0.000300	**0.00686**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1226h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2032h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-007
Client Sample ID: MW-25_04072020
Collection Date: 4/7/2020 1410h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1217h	E350.1	0.0500	**0.518**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**260**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 033h	E300.0	1.00	**33.0**	
Fluoride	mg/L		4/21/2020 417h	E300.0	0.100	**0.252**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**5.41**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1318h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/20/2020 2201h	E300.0	150	**1,600**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**39.4**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**43.9**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**2,480**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.942**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**2,630**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-007A
Client Sample ID: MW-25_04072020
Collection Date: 4/7/2020 1410h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1556h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.5	50.00	99.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.3	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	44.7	50.00	89.3	72-135	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	80-124	

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Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-25_04072020	Project:	DNMI00100
Sample ID:	509346007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-APR-20 14:10		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.325	0.986	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-008
Client Sample ID: MW-26_04082020
Collection Date: 4/8/2020 1300h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1528h	E200.7	10.0	**547**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/24/2020 1511h	E200.8	0.0500	**0.619**	
Lead	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1707h	E200.7	5.00	**178**	
Manganese	mg/L	4/16/2020 800h	4/24/2020 1511h	E200.8	0.0100	**0.748**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1136h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1707h	E200.7	5.00	**13.0**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1605h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/27/2020 1017h	E200.7	5.00	**194**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1605h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2150h	E200.8	0.000300	**0.0388**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1229h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2035h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-008
Client Sample ID: MW-26_04082020
Collection Date: 4/8/2020 1300h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1218h	E350.1	0.0500	**0.595**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**278**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 050h	E300.0	1.00	**62.8**	
Fluoride	mg/L		4/21/2020 434h	E300.0	0.100	**0.189**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**4.33**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1320h	E353.2	0.100	**0.747**	
Sulfate	mg/L		4/21/2020 2006h	E300.0	150	**1,880**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**46.6**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**50.8**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**2,600**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.852**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,050**	

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American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-008A
Client Sample ID: MW-26_04082020
Collection Date: 4/8/2020 1300h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 835h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,420**	~

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	998	1,000	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,020	1,000	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	928	1,000	92.8	72-135	
Surr: Toluene-d8	2037-26-5	969	1,000	96.9	80-124	

Analyzed: 4/10/2020 1616h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	**1.94**	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.8	50.00	97.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.0	50.00	94.0	72-135	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.0	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-26_04082020	Project:	DNMI00100
Sample ID:	509346008	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 13:00		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.99	+/-0.432	0.944	1.00	pCi/L			JXK3	04/29/20	1332	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-009
Client Sample ID: MW-27_04082020
Collection Date: 4/8/2020 1405h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1625h	E200.7	5.00	**123**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1625h	E200.7	5.00	**50.8**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1138h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1625h	E200.7	5.00	**5.66**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.00500	**0.0126**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1622h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/27/2020 1020h	E200.7	5.00	**78.9**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1622h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/23/2020 2153h	E200.8	0.000300	**0.0104**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1239h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2038h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-009
Client Sample ID: MW-27_04082020
Collection Date: 4/8/2020 1405h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1218h	E350.1	0.0500	**0.0504**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**242**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 1950h	E300.0	2.00	**31.9**	
Fluoride	mg/L		4/21/2020 451h	E300.0	0.100	**0.712**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**9.72**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1323h	E353.2	0.100	**6.43**	
Sulfate	mg/L		4/21/2020 1950h	E300.0	15.0	**269**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**11.4**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**13.9**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**472**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.664**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**711**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-009A
Client Sample ID: MW-27_04082020
Collection Date: 4/8/2020 1405h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1636h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.9	50.00	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	44.9	50.00	89.8	72-135	
Surr: Toluene-d8	2037-26-5	48.5	50.00	96.9	80-124	

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-27_04082020	Project:	DNMI00100
Sample ID:	509346009	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 14:05		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.339	0.872	1.00	pCi/L			JXK3	04/29/20	1332	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			93.7	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-007
Client Sample ID: MW-28_04152020
Collection Date: 4/15/2020 1025h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.00500	**0.0104**	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1926h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	5/5/2020 1303h	E200.8	0.000500	**0.00492**	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1316h	E200.7	20.0	**538**	2
Chromium	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0100	**0.0334**	
Copper	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1926h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/20/2020 904h	4/28/2020 1926h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1316h	E200.7	20.0	**190**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1837h	E200.8	0.0100	**1.41**	2
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1138h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0200	**0.0233**	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1748h	E200.7	1.00	**12.9**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.00500	**0.0102**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1316h	E200.7	20.0	**344**	2
Thallium	mg/L	4/20/2020 904h	4/28/2020 1926h	E200.8	0.000500	**0.000845**	
Tin	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2018h	E200.8	0.000300	**0.00591**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1748h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1803h	E200.8	0.0100	**0.0603**	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-007
Client Sample ID: MW-28_04152020
Collection Date: 4/15/2020 1025h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1513h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**148**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 522h	E300.0	2.00	**129**	
Fluoride	mg/L		4/29/2020 1117h	E300.0	0.400	**0.687**	
Ion Balance	%		5/3/2020	Calc.	-100	**3.20**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 858h	E353.2	0.100	**2.60**	
Sulfate	mg/L		4/28/2020 252h	E300.0	150	**2,280**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**54.2**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**57.8**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**3,520**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.982**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**3,590**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-007A
Client Sample ID: MW-28_04152020
Collection Date: 4/15/2020 1025h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1517h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.7	50.00	99.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.4	50.00	98.9	80-152	
Surr: Dibromofluoromethane	1868-53-7	44.3	50.00	88.6	72-135	
Surr: Toluene-d8	2037-26-5	46.9	50.00	93.9	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-28_04152020	Project:	DNMI00100
Sample ID:	509725007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-APR-20 10:25		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.69	+/-0.144	0.304	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			96.2	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-010
Client Sample ID: MW-29_04082020
Collection Date: 4/8/2020 950h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1531h	E200.7	10.0	**520**	2
Chromium	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/24/2020 1514h	E200.8	0.500	**1.41**	
Lead	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1531h	E200.7	10.0	**235**	2
Manganese	mg/L	4/16/2020 800h	4/24/2020 1514h	E200.8	0.0100	**5.30**	2
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1140h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1531h	E200.7	10.0	**21.0**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1625h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1533h	E200.7	10.0	**498**	2
Thallium	mg/L	4/16/2020 800h	4/24/2020 1625h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1702h	E200.8	0.000300	**0.0148**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1242h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2041h	E200.8	0.0100	< 0.0100	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-010
Client Sample ID: MW-29_04082020
Collection Date: 4/8/2020 950h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1219h	E350.1	0.0500	**0.788**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**240**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 108h	E300.0	1.00	**36.6**	
Fluoride	mg/L		4/21/2020 542h	E300.0	0.100	**0.602**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**5.31**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1327h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/20/2020 1857h	E300.0	150	**2,640**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**60.7**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**67.5**	
Total Dissolved Solids	mg/L		4/13/2020 1310h	SM2540C	20.0	**3,800**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.928**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**4,090**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-010A
Client Sample ID: MW-29_04082020
Collection Date: 4/8/2020 950h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/10/2020 1656h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.0	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	44.8	50.00	89.6	72-135	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.1	80-124	

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Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-29_04082020	Project:	DNMI00100
Sample ID:	509346010	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 09:50		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.296	0.948	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.8	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-011
Client Sample ID: MW-30_04062020
Collection Date: 4/6/2020 1115h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1547h	E200.7	10.0	**308**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/27/2020 1540h	E200.7	5.00	**78.3**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1142h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/27/2020 1540h	E200.7	5.00	**6.09**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.00500	**0.0544**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1634h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/27/2020 1023h	E200.7	5.00	**106**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1634h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1705h	E200.8	0.000300	**0.00924**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1250h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2050h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-011
Client Sample ID: MW-30_04062020
Collection Date: 4/6/2020 1115h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1220h	E350.1	0.0500	< 0.0500	1
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**170**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 1913h	E300.0	5.00	**195**	
Fluoride	mg/L		4/21/2020 600h	E300.0	0.100	**0.321**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**0.582**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1328h	E353.2	0.200	**18.1**	
Sulfate	mg/L		4/20/2020 1913h	E300.0	37.5	**821**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**26.3**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**26.6**	
Total Dissolved Solids	mg/L		4/10/2020 1420h	SM2540C	20.0	**1,690**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**1.03**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**1,640**	

[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-011A
Client Sample ID: MW-30_04062020
Collection Date: 4/6/2020 1115h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1035h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.6	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.3	50.00	94.6	72-135	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.0	80-124	

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Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-30_04062020	Project:	DNMI00100
Sample ID:	509346011	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	06-APR-20 11:15		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.295	0.953	1.00	pCi/L			JXK3	04/29/20	1332	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.3	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Laboratory Director

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-012
Client Sample ID: MW-31_04062020
Collection Date: 4/6/2020 1340h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1550h	E200.7	10.0	**400**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/27/2020 1542h	E200.7	5.00	**179**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1144h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/27/2020 1542h	E200.7	5.00	**7.19**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.00500	**0.0905**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1637h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/27/2020 1025h	E200.7	5.00	**126**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1637h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1708h	E200.8	0.000300	**0.0155**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1253h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2053h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-012
Client Sample ID: MW-31_04062020
Collection Date: 4/6/2020 1340h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1222h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**172**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 838h	E300.0	10.0	**376**	
Fluoride	mg/L		4/21/2020 617h	E300.0	0.100	**0.632**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**3.14**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1329h	E353.2	0.200	**18.8**	
Sulfate	mg/L		4/21/2020 838h	E300.0	75.0	**1,130**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**37.9**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**40.3**	
Total Dissolved Solids	mg/L		4/10/2020 1420h	SM2540C	20.0	**2,400**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**1.03**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**2,340**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-012A
Client Sample ID: MW-31_04062020
Collection Date: 4/6/2020 1340h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1055h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.2	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.7	50.00	91.4	72-135	
Surr: Toluene-d8	2037-26-5	48.0	50.00	95.9	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-31_04062020	Project:	DNMI00100
Sample ID:	509346012	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	06-APR-20 13:40		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.07	+/-0.347	0.830	1.00	pCi/L			JXK3	05/04/20	1421	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.5	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-013
Client Sample ID: MW-32_04072020
Collection Date: 4/7/2020 1210h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.000500	**0.00180**	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1553h	E200.7	10.0	**539**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.0100	**0.0384**	
Copper	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/24/2020 1523h	E200.8	0.500	**5.26**	
Lead	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/27/2020 1557h	E200.7	5.00	**214**	
Manganese	mg/L	4/16/2020 800h	4/24/2020 1523h	E200.8	0.0100	**4.79**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1146h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/24/2020 1640h	E200.8	0.0100	**0.0104**	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.0200	**0.0436**	
Potassium	mg/L	4/16/2020 800h	4/27/2020 1557h	E200.7	5.00	**14.2**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1640h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/27/2020 1028h	E200.7	5.00	**240**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1640h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1711h	E200.8	0.000300	**0.00200**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1256h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2105h	E200.8	0.0100	**0.0727**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-013
Client Sample ID: MW-32_04072020
Collection Date: 4/7/2020 1210h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1223h	E350.1	0.0500	**0.689**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**352**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/21/2020 125h	E300.0	1.00	**36.4**	
Fluoride	mg/L		4/21/2020 634h	E300.0	0.100	**0.107**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**4.69**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1335h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/20/2020 2054h	E300.0	150	**2,040**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**50.6**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**55.6**	
Total Dissolved Solids	mg/L		4/13/2020 1400h	SM2540C	20.0	**3,180**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.963**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,300**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-013A
Client Sample ID: MW-32_04072020
Collection Date: 4/7/2020 1210h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1115h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.9	50.00	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.2	50.00	92.3	72-135	
Surr: Toluene-d8	2037-26-5	47.8	50.00	95.6	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-32_04072020	Project:	DNMI00100
Sample ID:	509346013	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-APR-20 12:10		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		3.52	+/-0.549	0.985	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.8	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-014
Client Sample ID: MW-35_04092020
Collection Date: 4/9/2020 820h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1556h	E200.7	10.0	**562**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0300	**0.218**	
Lead	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/27/2020 1548h	E200.7	5.00	**172**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0100	**0.248**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1148h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/24/2020 1644h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/27/2020 1548h	E200.7	5.00	**11.8**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1644h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1541h	E200.7	10.0	**418**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1644h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1714h	E200.8	0.000300	**0.0203**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1258h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2108h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-014
Client Sample ID: MW-35_04092020
Collection Date: 4/9/2020 820h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1224h	E350.1	0.0500	**0.0772**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**290**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/22/2020 018h	E300.0	1.00	**66.6**	
Fluoride	mg/L		4/22/2020 141h	E300.0	0.100	**0.250**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**6.56**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1336h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/21/2020 2023h	E300.0	150	**2,190**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**53.2**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**60.7**	
Total Dissolved Solids	mg/L		4/13/2020 1400h	SM2540C	20.0	**3,450**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.961**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**3,590**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-014A
Client Sample ID: MW-35_04092020
Collection Date: 4/9/2020 820h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1135h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.1	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.9	50.00	91.7	72-135	
Surr: Toluene-d8	2037-26-5	47.4	50.00	94.8	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-35_04092020	Project:	DNMI00100
Sample ID:	509346014	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-APR-20 08:20		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		7.16	+/-0.917	0.981	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			93.7	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-015
Client Sample ID: MW-36_04092020
Collection Date: 4/9/2020 945h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1558h	E200.7	10.0	**478**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/27/2020 1550h	E200.7	5.00	**150**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1154h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/24/2020 1647h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/27/2020 1550h	E200.7	5.00	**10.1**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.00500	**0.232**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1647h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1440h	E200.7	20.0	**752**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1647h	E200.8	0.000500	**0.000611**	
Tin	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1717h	E200.8	0.000300	**0.0233**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1301h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2111h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-015
Client Sample ID: MW-36_04092020
Collection Date: 4/9/2020 945h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1231h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**224**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/22/2020 034h	E300.0	1.00	**58.1**	
Fluoride	mg/L		4/22/2020 158h	E300.0	0.100	**0.212**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**5.89**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1337h	E353.2	0.100	**0.182**	
Sulfate	mg/L		4/21/2020 2040h	E300.0	150	**2,660**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**61.4**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**69.1**	
Total Dissolved Solids	mg/L		4/13/2020 1400h	SM2540C	20.0	**3,890**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**0.918**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**4,240**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-015A
Client Sample ID: MW-36_04092020
Collection Date: 4/9/2020 945h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1155h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.4	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.5	50.00	92.9	72-135	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-36_04092020	Project:	DNMI00100
Sample ID:	509346015	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-APR-20 09:45		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.313	0.952	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

›gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.8	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-004
Client Sample ID: MW-37_04212020
Collection Date: 4/21/2020 1300h
Received Date: 4/23/2020 1215h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/27/2020 1406h	4/28/2020 1600h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/27/2020 1406h	5/4/2020 1615h	E200.7	20.0	**508**	
Chromium	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/27/2020 1406h	4/28/2020 1600h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/27/2020 1406h	4/28/2020 1600h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/27/2020 1406h	5/4/2020 1615h	E200.7	20.0	**145**	
Manganese	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/24/2020 1442h	4/27/2020 1022h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/27/2020 1406h	5/4/2020 1721h	E200.7	1.00	**16.0**	
Selenium	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/27/2020 1406h	5/4/2020 1615h	E200.7	20.0	**565**	
Thallium	mg/L	4/27/2020 1406h	4/28/2020 1600h	E200.8	0.000500	**0.000617**	
Tin	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/27/2020 1406h	4/30/2020 1831h	E200.8	0.000300	**0.0116**	
Vanadium	mg/L	4/27/2020 1406h	5/4/2020 1721h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/27/2020 1406h	4/28/2020 1245h	E200.8	0.0100	**0.0241**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-004
Client Sample ID: MW-37_04212020
Collection Date: 4/21/2020 1300h
Received Date: 4/23/2020 1215h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/1/2020 1014h	5/4/2020 825h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	**212**	
Carbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/2/2020 040h	E300.0	1.00	**45.0**	
Fluoride	mg/L		5/2/2020 257h	E300.0	0.100	**0.195**	
Ion Balance	%		5/4/2020 1732h	Calc.	-100	**3.76**	
Nitrate/Nitrite (as N)	mg/L		4/24/2020 1240h	E353.2	0.100	**0.198**	
Sulfate	mg/L		5/1/2020 1558h	E300.0	150	**2,510**	
Total Anions, Measured	meq/L		5/4/2020 1732h	Calc.		**57.7**	
Total Cations, Measured	meq/L		5/4/2020 1732h	Calc.		**62.3**	
Total Dissolved Solids	mg/L		4/23/2020 1500h	SM2540C	20.0	**3,880**	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2020 1732h	Calc.		**0.990**	
Total Dissolved Solids, Calculated	mg/L		5/4/2020 1732h	Calc.		**3,920**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-004A
Client Sample ID: MW-37_04212020
Collection Date: 4/21/2020 1300h
Received Date: 4/23/2020 1215h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/23/2020 1559h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	#
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.8	50.00	99.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.6	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.2	50.00	92.5	72-135	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.1	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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Certificate of Analysis

Report Date: May 13, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-37_04212020	Project:	DNMI00100
Sample ID:	510160004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	21-APR-20 13:00		
Receive Date:	27-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.98	+/-0.419	0.976	1.00	pCi/L			JXK3	05/11/20	1445	1994445	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			96.6	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-005
Client Sample ID: MW-38_04222020
Collection Date: 4/22/2020 810h
Received Date: 4/23/2020 1215h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/27/2020 1406h	4/28/2020 1603h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/27/2020 1406h	5/4/2020 1617h	E200.7	20.0	**490**	
Chromium	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/27/2020 1406h	4/28/2020 1603h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/27/2020 1406h	4/28/2020 1603h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/27/2020 1406h	5/4/2020 1617h	E200.7	20.0	**200**	
Manganese	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/24/2020 1442h	4/27/2020 1024h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/27/2020 1406h	5/4/2020 1723h	E200.7	1.00	**28.6**	
Selenium	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.00500	**0.148**	
Silver	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/27/2020 1406h	5/4/2020 1617h	E200.7	20.0	**460**	
Thallium	mg/L	4/27/2020 1406h	4/28/2020 1603h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/27/2020 1406h	4/30/2020 1834h	E200.8	0.000300	**0.00598**	
Vanadium	mg/L	4/27/2020 1406h	5/4/2020 1723h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/27/2020 1406h	4/28/2020 1248h	E200.8	0.0100	< 0.0100	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-005
Client Sample ID: MW-38_04222020
Collection Date: 4/22/2020 810h
Received Date: 4/23/2020 1215h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/1/2020 1014h	5/4/2020 825h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	**102**	
Carbonate (as CaCO3)	mg/L		4/24/2020 547h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/2/2020 057h	E300.0	1.00	**44.7**	
Fluoride	mg/L		5/2/2020 314h	E300.0	0.100	**0.553**	
Ion Balance	%		5/4/2020 1732h	Calc.	-100	**2.82**	
Nitrate/Nitrite (as N)	mg/L		4/24/2020 1241h	E353.2	0.100	**14.8**	
Sulfate	mg/L		5/1/2020 1615h	E300.0	150	**2,630**	
Total Anions, Measured	meq/L		5/4/2020 1732h	Calc.		**58.3**	
Total Cations, Measured	meq/L		5/4/2020 1732h	Calc.		**61.7**	
Total Dissolved Solids	mg/L		4/23/2020 1500h	SM2540C	20.0	**3,950**	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2020 1732h	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		5/4/2020 1732h	Calc.		**3,930**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-005A
Client Sample ID: MW-38_04222020
Collection Date: 4/22/2020 810h
Received Date: 4/23/2020 1215h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/23/2020 1619h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	#
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.8	50.00	97.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.3	50.00	90.5	72-135	
Surr: Toluene-d8	2037-26-5	48.6	50.00	97.1	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 13, 2020

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: White Mesa Mill GW

Client Sample ID: MW-38_04222020
Sample ID: 510160005
Matrix: Ground Water
Collect Date: 22-APR-20 08:10
Receive Date: 27-APR-20
Collector: Client

Project: DNMI00100
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.336	0.942	1.00	pCi/L			JXK3	05/11/20	1445	1994445	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.5	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-008
Client Sample ID: MW-39_04152020
Collection Date: 4/15/2020 1530h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1938h	E200.8	0.000500	**0.00499**	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.000500	**0.00266**	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1332h	E200.7	20.0	**470**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0100	**0.0671**	
Copper	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0100	**0.0280**	
Iron	mg/L	4/20/2020 904h	4/28/2020 1840h	E200.8	1.00	**14.8**	
Lead	mg/L	4/20/2020 904h	4/28/2020 1938h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1332h	E200.7	20.0	**204**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1840h	E200.8	0.0200	**2.24**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1140h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0200	**0.0332**	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1806h	E200.7	1.00	**15.0**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1332h	E200.7	20.0	**568**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1938h	E200.8	0.000500	**0.00356**	
Tin	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2021h	E200.8	0.000300	**0.0112**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1806h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1812h	E200.8	0.0100	**0.233**	

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Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-008
Client Sample ID: MW-39_04152020
Collection Date: 4/15/2020 1530h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1514h	E350.1	0.0500	**0.260**	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 539h	E300.0	1.00	**39.0**	
Fluoride	mg/L		4/29/2020 1134h	E300.0	0.400	**0.752**	
Ion Balance	%		5/3/2020	Calc.	-100	**4.09**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 905h	E353.2	0.100	**0.106**	
Sulfate	mg/L		4/28/2020 308h	E300.0	375	**2,870**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**60.9**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**66.1**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**4,140**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.990**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**4,180**	

All analyses applicable to the CWA. SDWA. and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-008A
Client Sample ID: MW-39_04152020
Collection Date: 4/15/2020 1530h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1537h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.0	50.00	98.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.0	50.00	97.9	80-152	
Surr: Dibromofluoromethane	1868-53-7	44.0	50.00	88.0	72-135	
Surr: Toluene-d8	2037-26-5	47.3	50.00	94.6	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-39_04152020	Project:	DNMI00100
Sample ID:	509725008	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-APR-20 15:30		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		2.62	+/-0.160	0.223	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.5	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-009
Client Sample ID: MW-40_04142020
Collection Date: 4/14/2020 1055h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1941h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1334h	E200.7	20.0	**475**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/20/2020 904h	4/28/2020 1941h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/20/2020 904h	4/28/2020 1941h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1334h	E200.7	20.0	**204**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0100	**0.104**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1142h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1809h	E200.7	1.00	**9.65**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.00500	**0.147**	
Silver	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1334h	E200.7	20.0	**399**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1941h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2024h	E200.8	0.000300	**0.0278**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1809h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1815h	E200.8	0.0100	< 0.0100	

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-009
Client Sample ID: MW-40_04142020
Collection Date: 4/14/2020 1055h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1515h	E350.1	0.0500	**0.0525**	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	**264**	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 2303h	E300.0	1.00	**43.5**	
Fluoride	mg/L		5/6/2020 1305h	E300.0	0.200	**0.664**	
Ion Balance	%		5/3/2020	Calc.	-100	**4.21**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 906h	E353.2	0.100	**2.62**	
Sulfate	mg/L		4/28/2020 1925h	E300.0	150	**2,250**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**53.4**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**58.1**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**3,280**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.925**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**3,540**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-009A
Client Sample ID: MW-40_04142020
Collection Date: 4/14/2020 1055h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/17/2020 1557h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.3	50.00	98.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.0	50.00	90.0	72-135	
Surr: Toluene-d8	2037-26-5	47.0	50.00	94.1	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-40_04142020	Project:	DNMI00100
Sample ID:	509725009	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	14-APR-20 10:55		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.123	0.311	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.7	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-017
Client Sample ID: TW4-24_04082020
Collection Date: 4/8/2020 1330h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.00500	**0.00539**	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.000500	**0.00168**	
Calcium	mg/L	4/16/2020 800h	4/27/2020 1343h	E200.7	20.0	**616**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.0100	**0.0118**	
Copper	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/27/2020 1553h	E200.7	10.0	**362**	
Manganese	mg/L	4/16/2020 800h	4/24/2020 1526h	E200.8	0.0100	**0.559**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1158h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/24/2020 1526h	E200.8	0.0100	**1.07**	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/27/2020 1553h	E200.7	10.0	**12.6**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.00500	**0.0585**	
Silver	mg/L	4/16/2020 800h	4/24/2020 1723h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1442h	E200.7	50.0	**1,290**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1723h	E200.8	0.000500	**0.00197**	
Tin	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1526h	E200.8	0.00500	**0.776**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1315h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2117h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-017
Client Sample ID: TW4-24_04082020
Collection Date: 4/8/2020 1330h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1232h	E350.1	0.0500	**13.2**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**945**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/20/2020 2111h	E300.0	20.0	**1,120**	
Fluoride	mg/L		4/22/2020 231h	E300.0	0.200	**0.275**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**-0.332**	
Nitrate/Nitrite (as N)	mg/L		5/1/2020 1453h	E353.2	0.500	**37.5**	
Sulfate	mg/L		4/20/2020 2111h	E300.0	150	**3,210**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**118**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**117**	
Total Dissolved Solids	mg/L		4/13/2020 1400h	SM2540C	20.0	**7,650**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**7,210**	

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-017A
Client Sample ID: TW4-24_04082020
Collection Date: 4/8/2020 1330h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1235h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**83.0**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**2.39**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.7	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.3	50.00	92.6	72-135	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.1	80-124	

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	TW4-24_04082020	Project:	DNMI00100
Sample ID:	509346017	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 13:30		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.357	0.925	1.00	pCi/L			JXK3	04/29/20	1325	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.1	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-016
Client Sample ID: MW-65_04082020
Collection Date: 4/8/2020 1520h
Received Date: 4/10/2020 1210h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/16/2020 800h	4/24/2020 1628h	E200.7	5.00	**155**	
Chromium	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/16/2020 800h	4/24/2020 1628h	E200.7	5.00	**45.2**	
Manganese	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0100	**0.130**	
Mercury	mg/L	4/16/2020 1034h	4/17/2020 1156h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/16/2020 800h	4/24/2020 1650h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/16/2020 800h	4/24/2020 1628h	E200.7	5.00	**8.97**	
Selenium	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/16/2020 800h	4/24/2020 1650h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/16/2020 800h	4/24/2020 1543h	E200.7	10.0	**516**	
Thallium	mg/L	4/16/2020 800h	4/24/2020 1650h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/16/2020 800h	4/24/2020 1720h	E200.8	0.000300	**0.000606**	
Vanadium	mg/L	4/16/2020 800h	4/27/2020 1304h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/16/2020 800h	4/23/2020 2114h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-016
Client Sample ID: MW-65_04082020
Collection Date: 4/8/2020 1520h
Received Date: 4/10/2020 1210h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/20/2020 805h	4/20/2020 1231h	E350.1	0.0500	**0.373**	
Bicarbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	**262**	
Carbonate (as CaCO3)	mg/L		4/13/2020 614h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/22/2020 051h	E300.0	2.00	**50.7**	
Fluoride	mg/L		4/22/2020 215h	E300.0	0.100	**0.791**	
Ion Balance	%		4/24/2020 1815h	Calc.	-100	**4.78**	
Nitrate/Nitrite (as N)	mg/L		4/14/2020 1359h	E353.2	0.100	**0.139**	
Sulfate	mg/L		4/21/2020 2057h	E300.0	375	**1,170**	
Total Anions, Measured	meq/L		4/24/2020 1815h	Calc.		**31.0**	
Total Cations, Measured	meq/L		4/24/2020 1815h	Calc.		**34.1**	
Total Dissolved Solids	mg/L		4/13/2020 1400h	SM2540C	20.0	**2,150**	
Total Dissolved Solids Ratio, Measured/Calculated			4/24/2020 1815h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		4/24/2020 1815h	Calc.		**2,100**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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American West
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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-016A
Client Sample ID: MW-65_04082020
Collection Date: 4/8/2020 1520h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 1215h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**2.46**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.0	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.8	50.00	93.5	72-135	
Surr: Toluene-d8	2037-26-5	48.5	50.00	96.9	80-124	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 5, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-65_04082020	Project:	DNMI00100
Sample ID:	509346016	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-APR-20 15:20		
Receive Date:	14-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.294	0.949	1.00	pCi/L			JXK3	04/29/20	1332	1990198	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

gate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-011
Client Sample ID: MW-70_04152020
Collection Date: 4/15/2020 1530h
Received Date: 4/17/2020 1120h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/20/2020 904h	4/28/2020 1947h	E200.8	0.000500	**0.00492**	
Cadmium	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.000500	**0.00265**	
Calcium	mg/L	4/20/2020 904h	5/1/2020 1340h	E200.7	20.0	**468**	
Chromium	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0100	**0.0676**	
Copper	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0100	**0.0285**	
Iron	mg/L	4/20/2020 904h	4/28/2020 1846h	E200.8	1.00	**14.9**	
Lead	mg/L	4/20/2020 904h	4/28/2020 1947h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/20/2020 904h	5/1/2020 1340h	E200.7	20.0	**201**	
Manganese	mg/L	4/20/2020 904h	4/28/2020 1846h	E200.8	0.0200	**2.26**	
Mercury	mg/L	4/21/2020 1041h	4/22/2020 1146h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0200	**0.0339**	
Potassium	mg/L	4/20/2020 904h	5/1/2020 1814h	E200.7	1.00	**14.8**	
Selenium	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/20/2020 904h	5/1/2020 1340h	E200.7	20.0	**559**	
Thallium	mg/L	4/20/2020 904h	4/28/2020 1947h	E200.8	0.000500	**0.00360**	
Tin	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/20/2020 904h	4/28/2020 2039h	E200.8	0.000300	**0.0115**	
Vanadium	mg/L	4/20/2020 904h	5/1/2020 1814h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/20/2020 904h	4/28/2020 1821h	E200.8	0.0100	**0.238**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-011
Client Sample ID: MW-70_04152020
Collection Date: 4/15/2020 1530h
Received Date: 4/17/2020 1120h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/23/2020 1126h	4/23/2020 1518h	E350.1	0.0500	**0.267**	
Bicarbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Carbonate (as CaCO3)	mg/L		4/20/2020 754h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/28/2020 2336h	E300.0	2.00	**38.5**	
Fluoride	mg/L		4/29/2020 1225h	E300.0	0.400	**0.721**	
Ion Balance	%		5/3/2020	Calc.	-100	**1.47**	
Nitrate/Nitrite (as N)	mg/L		4/21/2020 908h	E353.2	0.100	**0.106**	
Sulfate	mg/L		4/28/2020 1959h	E300.0	375	**3,000**	
Total Anions, Measured	meq/L		5/3/2020	Calc.		**63.5**	
Total Cations, Measured	meq/L		5/3/2020	Calc.		**65.4**	
Total Dissolved Solids	mg/L		4/20/2020 1330h	SM2540C	20.0	**4,000**	
Total Dissolved Solids Ratio, Measured/Calculated			5/3/2020	Calc.		**0.932**	
Total Dissolved Solids, Calculated	mg/L		5/3/2020	Calc.		**4,290**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-011A
Client Sample ID: MW-70_04152020
Collection Date: 4/15/2020 1530h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/20/2020 847h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.8	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.0	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.6	50.00	91.3	72-135	
Surr: Toluene-d8	2037-26-5	47.7	50.00	95.4	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 12, 2020

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-70_04152020	Project:	DNMI00100
Sample ID:	509725011	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-APR-20 15:30		
Receive Date:	20-APR-20		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		2.66	+/-0.170	0.305	1.00	pCi/L			JXK3	05/06/20	1714	1991400	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.5	(25%-125%)

Notes:
Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Laboratory Director

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004292-018A
Client Sample ID: Trip Blank
Collection Date: 4/6/2020 1115h
Received Date: 4/10/2020 1210h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/13/2020 935h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.8	50.00	91.6	72-135	
Surr: Toluene-d8	2037-26-5	47.7	50.00	95.4	80-124	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004452-012A
Client Sample ID: Trip Blank
Collection Date: 4/13/2020 700h
Received Date: 4/17/2020 1120h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/20/2020 907h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.7	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.8	50.00	91.7	72-135	
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.9	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Sample ID: 2004553-006A
Client Sample ID: Trip Blank
Collection Date: 4/21/2020 1230h
Received Date: 4/23/2020 1215h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 4/23/2020 1459h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	#
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	#
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.8	50.00	97.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.7	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.6	50.00	91.1	72-135	
Surr: Toluene-d8	2037-26-5	48.9	50.00	97.8	80-124	

 # - This compound exceeded (high) the control limit for the CCV. The data is acceptable since the compound was not detected in the sample.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 2nd Quarter Ground Water 2020

Dear Tanner Holliday: Lab Set ID: 2004292

American West Analytical Laboratories received sample(s) on 4/10/2020 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha Digitally signed by Jose G. Rocha Date: 2020.05.04 14:32:23 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004292
Date Received: 4/10/2020 1210h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004292-001A	MW-02_04072020	4/7/2020	1430h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-001B	MW-02_04072020	4/7/2020	1430h	Aqueous	Anions, E300.0
2004292-001B	MW-02_04072020	4/7/2020	1430h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-001C	MW-02_04072020	4/7/2020	1430h	Aqueous	Total Dissolved Solids, A2540C
2004292-001D	MW-02_04072020	4/7/2020	1430h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-001D	MW-02_04072020	4/7/2020	1430h	Aqueous	Ammonia, Aqueous
2004292-001E	MW-02_04072020	4/7/2020	1430h	Aqueous	Mercury, Drinking Water Dissolved
2004292-001E	MW-02_04072020	4/7/2020	1430h	Aqueous	Ion Balance
2004292-001E	MW-02_04072020	4/7/2020	1430h	Aqueous	ICP Metals, Dissolved
2004292-001E	MW-02_04072020	4/7/2020	1430h	Aqueous	ICPMS Metals, Dissolved
2004292-002A	MW-05_04082020	4/8/2020	1520h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-002B	MW-05_04082020	4/8/2020	1520h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-002B	MW-05_04082020	4/8/2020	1520h	Aqueous	Anions, E300.0
2004292-002C	MW-05_04082020	4/8/2020	1520h	Aqueous	Total Dissolved Solids, A2540C
2004292-002D	MW-05_04082020	4/8/2020	1520h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-002D	MW-05_04082020	4/8/2020	1520h	Aqueous	Ammonia, Aqueous
2004292-002E	MW-05_04082020	4/8/2020	1520h	Aqueous	Ion Balance
2004292-002E	MW-05_04082020	4/8/2020	1520h	Aqueous	ICP Metals, Dissolved
2004292-002E	MW-05_04082020	4/8/2020	1520h	Aqueous	ICPMS Metals, Dissolved
2004292-002E	MW-05_04082020	4/8/2020	1520h	Aqueous	Mercury, Drinking Water Dissolved
2004292-003A	MW-11_04082020	4/8/2020	1140h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-003B	MW-11_04082020	4/8/2020	1140h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-003B	MW-11_04082020	4/8/2020	1140h	Aqueous	Anions, E300.0
2004292-003C	MW-11_04082020	4/8/2020	1140h	Aqueous	Total Dissolved Solids, A2540C
2004292-003D	MW-11_04082020	4/8/2020	1140h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-003D	MW-11_04082020	4/8/2020	1140h	Aqueous	Ammonia, Aqueous
2004292-003E	MW-11_04082020	4/8/2020	1140h	Aqueous	Ion Balance
2004292-003E	MW-11_04082020	4/8/2020	1140h	Aqueous	ICP Metals, Dissolved
2004292-003E	MW-11_04082020	4/8/2020	1140h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004292
Date Received: 4/10/2020 1210h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004292-003E	MW-11_04082020	4/8/2020	1140h	Aqueous	Mercury, Drinking Water Dissolved
2004292-004A	MW-12_04092020	4/9/2020	920h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-004B	MW-12_04092020	4/9/2020	920h	Aqueous	Anions, E300.0
2004292-004B	MW-12_04092020	4/9/2020	920h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-004C	MW-12_04092020	4/9/2020	920h	Aqueous	Total Dissolved Solids, A2540C
2004292-004D	MW-12_04092020	4/9/2020	920h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-004D	MW-12_04092020	4/9/2020	920h	Aqueous	Ammonia, Aqueous
2004292-004E	MW-12_04092020	4/9/2020	920h	Aqueous	Ion Balance
2004292-004E	MW-12_04092020	4/9/2020	920h	Aqueous	ICP Metals, Dissolved
2004292-004E	MW-12_04092020	4/9/2020	920h	Aqueous	ICPMS Metals, Dissolved
2004292-004E	MW-12_04092020	4/9/2020	920h	Aqueous	Mercury, Drinking Water Dissolved
2004292-005A	MW-14_04062020	4/6/2020	1505h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-005B	MW-14_04062020	4/6/2020	1505h	Aqueous	Anions, E300.0
2004292-005B	MW-14_04062020	4/6/2020	1505h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-005C	MW-14_04062020	4/6/2020	1505h	Aqueous	Total Dissolved Solids, A2540C
2004292-005D	MW-14_04062020	4/6/2020	1505h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-005D	MW-14_04062020	4/6/2020	1505h	Aqueous	Ammonia, Aqueous
2004292-005E	MW-14_04062020	4/6/2020	1505h	Aqueous	Ion Balance
2004292-005E	MW-14_04062020	4/6/2020	1505h	Aqueous	ICP Metals, Dissolved
2004292-005E	MW-14_04062020	4/6/2020	1505h	Aqueous	ICPMS Metals, Dissolved
2004292-005E	MW-14_04062020	4/6/2020	1505h	Aqueous	Mercury, Drinking Water Dissolved
2004292-006A	MW-15_04072020	4/7/2020	1025h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-006B	MW-15_04072020	4/7/2020	1025h	Aqueous	Anions, E300.0
2004292-006B	MW-15_04072020	4/7/2020	1025h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-006C	MW-15_04072020	4/7/2020	1025h	Aqueous	Total Dissolved Solids, A2540C
2004292-006D	MW-15_04072020	4/7/2020	1025h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-006D	MW-15_04072020	4/7/2020	1025h	Aqueous	Ammonia, Aqueous
2004292-006E	MW-15_04072020	4/7/2020	1025h	Aqueous	Ion Balance
2004292-006E	MW-15_04072020	4/7/2020	1025h	Aqueous	ICP Metals, Dissolved
2004292-006E	MW-15_04072020	4/7/2020	1025h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004292
Date Received: 4/10/2020 1210h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004292-006E	MW-15_04072020	4/7/2020	1025h	Aqueous	Mercury, Drinking Water Dissolved
2004292-007A	MW-25_04072020	4/7/2020	1410h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-007B	MW-25_04072020	4/7/2020	1410h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-007B	MW-25_04072020	4/7/2020	1410h	Aqueous	Anions, E300.0
2004292-007C	MW-25_04072020	4/7/2020	1410h	Aqueous	Total Dissolved Solids, A2540C
2004292-007D	MW-25_04072020	4/7/2020	1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-007D	MW-25_04072020	4/7/2020	1410h	Aqueous	Ammonia, Aqueous
2004292-007E	MW-25_04072020	4/7/2020	1410h	Aqueous	Ion Balance
2004292-007E	MW-25_04072020	4/7/2020	1410h	Aqueous	ICP Metals, Dissolved
2004292-007E	MW-25_04072020	4/7/2020	1410h	Aqueous	ICPMS Metals, Dissolved
2004292-007E	MW-25_04072020	4/7/2020	1410h	Aqueous	Mercury, Drinking Water Dissolved
2004292-008A	MW-26_04082020	4/8/2020	1300h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-008B	MW-26_04082020	4/8/2020	1300h	Aqueous	Anions, E300.0
2004292-008B	MW-26_04082020	4/8/2020	1300h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-008C	MW-26_04082020	4/8/2020	1300h	Aqueous	Total Dissolved Solids, A2540C
2004292-008D	MW-26_04082020	4/8/2020	1300h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-008D	MW-26_04082020	4/8/2020	1300h	Aqueous	Ammonia, Aqueous
2004292-008E	MW-26_04082020	4/8/2020	1300h	Aqueous	Ion Balance
2004292-008E	MW-26_04082020	4/8/2020	1300h	Aqueous	ICP Metals, Dissolved
2004292-008E	MW-26_04082020	4/8/2020	1300h	Aqueous	ICPMS Metals, Dissolved
2004292-008E	MW-26_04082020	4/8/2020	1300h	Aqueous	Mercury, Drinking Water Dissolved
2004292-009A	MW-27_04082020	4/8/2020	1405h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-009B	MW-27_04082020	4/8/2020	1405h	Aqueous	Anions, E300.0
2004292-009B	MW-27_04082020	4/8/2020	1405h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-009C	MW-27_04082020	4/8/2020	1405h	Aqueous	Total Dissolved Solids, A2540C
2004292-009D	MW-27_04082020	4/8/2020	1405h	Aqueous	Ammonia, Aqueous
2004292-009D	MW-27_04082020	4/8/2020	1405h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-009E	MW-27_04082020	4/8/2020	1405h	Aqueous	Ion Balance
2004292-009E	MW-27_04082020	4/8/2020	1405h	Aqueous	ICP Metals, Dissolved
2004292-009E	MW-27_04082020	4/8/2020	1405h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004292
Date Received: 4/10/2020 1210h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004292-009E	MW-27_04082020	4/8/2020	1405h	Aqueous	Mercury, Drinking Water Dissolved
2004292-010A	MW-29_04082020	4/8/2020	950h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-010B	MW-29_04082020	4/8/2020	950h	Aqueous	Anions, E300.0
2004292-010B	MW-29_04082020	4/8/2020	950h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-010C	MW-29_04082020	4/8/2020	950h	Aqueous	Total Dissolved Solids, A2540C
2004292-010D	MW-29_04082020	4/8/2020	950h	Aqueous	Ammonia, Aqueous
2004292-010D	MW-29_04082020	4/8/2020	950h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-010E	MW-29_04082020	4/8/2020	950h	Aqueous	Mercury, Drinking Water Dissolved
2004292-010E	MW-29_04082020	4/8/2020	950h	Aqueous	ICPMS Metals, Dissolved
2004292-010E	MW-29_04082020	4/8/2020	950h	Aqueous	Ion Balance
2004292-010E	MW-29_04082020	4/8/2020	950h	Aqueous	ICP Metals, Dissolved
2004292-011A	MW-30_04062020	4/6/2020	1115h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-011B	MW-30_04062020	4/6/2020	1115h	Aqueous	Anions, E300.0
2004292-011B	MW-30_04062020	4/6/2020	1115h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-011C	MW-30_04062020	4/6/2020	1115h	Aqueous	Total Dissolved Solids, A2540C
2004292-011D	MW-30_04062020	4/6/2020	1115h	Aqueous	Ammonia, Aqueous
2004292-011D	MW-30_04062020	4/6/2020	1115h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-011E	MW-30_04062020	4/6/2020	1115h	Aqueous	Mercury, Drinking Water Dissolved
2004292-011E	MW-30_04062020	4/6/2020	1115h	Aqueous	ICPMS Metals, Dissolved
2004292-011E	MW-30_04062020	4/6/2020	1115h	Aqueous	ICP Metals, Dissolved
2004292-011E	MW-30_04062020	4/6/2020	1115h	Aqueous	Ion Balance
2004292-012A	MW-31_04062020	4/6/2020	1340h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-012B	MW-31_04062020	4/6/2020	1340h	Aqueous	Anions, E300.0
2004292-012B	MW-31_04062020	4/6/2020	1340h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-012C	MW-31_04062020	4/6/2020	1340h	Aqueous	Total Dissolved Solids, A2540C
2004292-012D	MW-31_04062020	4/6/2020	1340h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-012D	MW-31_04062020	4/6/2020	1340h	Aqueous	Ammonia, Aqueous
2004292-012E	MW-31_04062020	4/6/2020	1340h	Aqueous	ICP Metals, Dissolved
2004292-012E	MW-31_04062020	4/6/2020	1340h	Aqueous	ICPMS Metals, Dissolved
2004292-012E	MW-31_04062020	4/6/2020	1340h	Aqueous	Ion Balance

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Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004292
Date Received: 4/10/2020 1210h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004292-012E	MW-31_04062020	4/6/2020	1340h	Aqueous	Mercury, Drinking Water Dissolved
2004292-013A	MW-32_04072020	4/7/2020	1210h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-013B	MW-32_04072020	4/7/2020	1210h	Aqueous	Anions, E300.0
2004292-013B	MW-32_04072020	4/7/2020	1210h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-013C	MW-32_04072020	4/7/2020	1210h	Aqueous	Total Dissolved Solids, A2540C
2004292-013D	MW-32_04072020	4/7/2020	1210h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-013D	MW-32_04072020	4/7/2020	1210h	Aqueous	Ammonia, Aqueous
2004292-013E	MW-32_04072020	4/7/2020	1210h	Aqueous	ICP Metals, Dissolved
2004292-013E	MW-32_04072020	4/7/2020	1210h	Aqueous	ICPMS Metals, Dissolved
2004292-013E	MW-32_04072020	4/7/2020	1210h	Aqueous	Mercury, Drinking Water Dissolved
2004292-013E	MW-32_04072020	4/7/2020	1210h	Aqueous	Ion Balance
2004292-014A	MW-35_04092020	4/9/2020	820h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-014B	MW-35_04092020	4/9/2020	820h	Aqueous	Anions, E300.0
2004292-014B	MW-35_04092020	4/9/2020	820h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-014C	MW-35_04092020	4/9/2020	820h	Aqueous	Total Dissolved Solids, A2540C
2004292-014D	MW-35_04092020	4/9/2020	820h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-014D	MW-35_04092020	4/9/2020	820h	Aqueous	Ammonia, Aqueous
2004292-014E	MW-35_04092020	4/9/2020	820h	Aqueous	ICP Metals, Dissolved
2004292-014E	MW-35_04092020	4/9/2020	820h	Aqueous	ICPMS Metals, Dissolved
2004292-014E	MW-35_04092020	4/9/2020	820h	Aqueous	Ion Balance
2004292-014E	MW-35_04092020	4/9/2020	820h	Aqueous	Mercury, Drinking Water Dissolved
2004292-015A	MW-36_04092020	4/9/2020	945h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-015B	MW-36_04092020	4/9/2020	945h	Aqueous	Anions, E300.0
2004292-015B	MW-36_04092020	4/9/2020	945h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-015C	MW-36_04092020	4/9/2020	945h	Aqueous	Total Dissolved Solids, A2540C
2004292-015D	MW-36_04092020	4/9/2020	945h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-015D	MW-36_04092020	4/9/2020	945h	Aqueous	Ammonia, Aqueous
2004292-015E	MW-36_04092020	4/9/2020	945h	Aqueous	ICPMS Metals, Dissolved
2004292-015E	MW-36_04092020	4/9/2020	945h	Aqueous	Mercury, Drinking Water Dissolved

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Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004292
Date Received: 4/10/2020 1210h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004292-015E	MW-36_04092020	4/9/2020	945h	Aqueous	Ion Balance
2004292-015E	MW-36_04092020	4/9/2020	945h	Aqueous	ICP Metals, Dissolved
2004292-016A	MW-65_04082020	4/8/2020	1520h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-016B	MW-65_04082020	4/8/2020	1520h	Aqueous	Anions, E300.0
2004292-016B	MW-65_04082020	4/8/2020	1520h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-016C	MW-65_04082020	4/8/2020	1520h	Aqueous	Total Dissolved Solids, A2540C
2004292-016D	MW-65_04082020	4/8/2020	1520h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-016D	MW-65_04082020	4/8/2020	1520h	Aqueous	Ammonia, Aqueous
2004292-016E	MW-65_04082020	4/8/2020	1520h	Aqueous	ICPMS Metals, Dissolved
2004292-016E	MW-65_04082020	4/8/2020	1520h	Aqueous	Mercury, Drinking Water Dissolved
2004292-016E	MW-65_04082020	4/8/2020	1520h	Aqueous	ICP Metals, Dissolved
2004292-016E	MW-65_04082020	4/8/2020	1520h	Aqueous	Ion Balance
2004292-017A	TW4-24_04082020	4/8/2020	1330h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004292-017B	TW4-24_04082020	4/8/2020	1330h	Aqueous	Anions, E300.0
2004292-017B	TW4-24_04082020	4/8/2020	1330h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004292-017C	TW4-24_04082020	4/8/2020	1330h	Aqueous	Total Dissolved Solids, A2540C
2004292-017D	TW4-24_04082020	4/8/2020	1330h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004292-017D	TW4-24_04082020	4/8/2020	1330h	Aqueous	Ammonia, Aqueous
2004292-017E	TW4-24_04082020	4/8/2020	1330h	Aqueous	Ion Balance
2004292-017E	TW4-24_04082020	4/8/2020	1330h	Aqueous	ICP Metals, Dissolved
2004292-017E	TW4-24_04082020	4/8/2020	1330h	Aqueous	ICPMS Metals, Dissolved
2004292-017E	TW4-24_04082020	4/8/2020	1330h	Aqueous	Mercury, Drinking Water Dissolved
2004292-018A	Trip Blank	4/6/2020	1115h	Aqueous	VOA by GC/MS Method 8260D/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	2nd Quarter Ground Water 2020
Lab Set ID:	2004292

Sample Receipt Information:

Date of Receipt:	4/10/2020
Date(s) of Collection:	4/6-4/9/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
2004292-001D	Ammonia	MS/MSD	Sample matrix interference
2004292-001E	Calcium	MSD	High analyte concentration
2004292-001E	Magnesium	MSD	High analyte concentration
2004292-010E	Calcium	MSD	High analyte concentration
2004292-010E	Magnesium	MS/MSD	High analyte concentration
2004292-010E	Manganese	MS	High analyte concentration
2004292-010E	Sodium	MS/MSD	High analyte concentration
2004292-011D	Ammonia	MS/MSD	Samole matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exceptions: the RPDs for Total Dissolved Solids on samples 2004292-001C and 2004292-005C were outside of the control limits due to suspected sample non-homogeneity or sample matrix interference.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	2nd Quarter Ground Water 2020
Lab Set ID:	2004292

Sample Receipt Information:

Date of Receipt:	4/10/2020
Date(s) of Collection:	4/6-4/9/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260D/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: One or more target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**LCS-69295**	Date Analyzed:	04/24/2020 1424h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Sodium		10.4	mg/L	E200.7	0.123	1.00	10.00	0	104	85 - 115				
Lab Sample ID:	**LCS-69295**	Date Analyzed:	04/27/2020 1153h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Calcium		9.91	mg/L	E200.7	0.211	1.00	10.00	0	99.1	85 - 115				
Magnesium		10.1	mg/L	E200.7	0.0654	1.00	10.00	0	101	85 - 115				
Potassium		10.3	mg/L	E200.7	0.246	1.00	10.00	0	103	85 - 115				
Vanadium		0.216	mg/L	E200.7	0.00252	0.00500	0.2000	0	108	85 - 115				
Lab Sample ID:	**LCS-69296**	Date Analyzed:	04/23/2020 1950h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Arsenic		0.200	mg/L	E200.8	0.000298	0.00200	0.2000	0	99.8	85 - 115				
Beryllium		0.203	mg/L	E200.8	0.000198	0.00200	0.2000	0	101	85 - 115				
Cadmium		0.199	mg/L	E200.8	0.0000742	0.000500	0.2000	0	99.6	85 - 115				
Chromium		0.201	mg/L	E200.8	0.00191	0.00200	0.2000	0	100	85 - 115				
Cobalt		0.206	mg/L	E200.8	0.000300	0.00400	0.2000	0	103	85 - 115				
Copper		0.203	mg/L	E200.8	0.00166	0.00200	0.2000	0	102	85 - 115				
Iron		1.00	mg/L	E200.8	0.0328	0.100	1.000	0	100	85 - 115				
Lead		0.202	mg/L	E200.8	0.000448	0.00200	0.2000	0	101	85 - 115				
Manganese		0.201	mg/L	E200.8	0.000766	0.00200	0.2000	0	101	85 - 115				
Molybdenum		0.205	mg/L	E200.8	0.000652	0.00200	0.2000	0	103	85 - 115				
Nickel		0.203	mg/L	E200.8	0.000728	0.00200	0.2000	0	102	85 - 115				
Selenium		0.196	mg/L	E200.8	0.000508	0.00200	0.2000	0	97.9	85 - 115				
Tin		1.00	mg/L	E200.8	0.00115	0.00400	1.000	0	100	85 - 115				
Uranium		0.201	mg/L	E200.8	0.000176	0.00200	0.2000	0	100	85 - 115				
Zinc		1.01	mg/L	E200.8	0.00418	0.00600	1.000	0	101	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**LCS-69296**	Date Analyzed:	04/24/2020 1502h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Silver		0.195	mg/L	E200.8	0.000232	0.00200	0.2000	0	97.5	85 - 115				
Thallium		0.198	mg/L	E200.8	0.000390	0.00200	0.2000	0	99.0	85 - 115				
Lab Sample ID:	**LCS-69327**	Date Analyzed:	04/17/2020 1107h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/16/2020 1034h											
Mercury		0.00337	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	101	85 - 115				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-69295**	Date Analyzed:	04/24/2020 1421h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Sodium		< 1.00	mg/L	E200.7	0.123	1.00								
Lab Sample ID:	**MB-69295**	Date Analyzed:	04/27/2020 1150h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Calcium		< 1.00	mg/L	E200.7	0.211	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0654	1.00								
Potassium		< 1.00	mg/L	E200.7	0.246	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.00252	0.00500								
Lab Sample ID:	**MB-69296**	Date Analyzed:	04/23/2020 1947h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Arsenic		< 0.000200	mg/L	E200.8	0.0000298	0.000200								
Beryllium		< 0.000200	mg/L	E200.8	0.0000198	0.000200								
Cadmium		< 0.0000500	mg/L	E200.8	0.00000742	0.0000500								
Chromium		< 0.000200	mg/L	E200.8	0.000191	0.000200								
Cobalt		< 0.000400	mg/L	E200.8	0.0000300	0.000400								
Copper		< 0.000200	mg/L	E200.8	0.000166	0.000200								
Iron		< 0.0100	mg/L	E200.8	0.00328	0.0100								
Lead		< 0.000200	mg/L	E200.8	0.0000448	0.000200								
Manganese		< 0.000200	mg/L	E200.8	0.0000766	0.000200								
Molybdenum		< 0.000200	mg/L	E200.8	0.0000652	0.000200								
Nickel		< 0.000200	mg/L	E200.8	0.0000728	0.000200								
Selenium		< 0.000200	mg/L	E200.8	0.0000508	0.000200								
Tin		< 0.000400	mg/L	E200.8	0.000115	0.000400								
Uranium		< 0.000200	mg/L	E200.8	0.0000176	0.000200								
Zinc		< 0.000600	mg/L	E200.8	0.000418	0.000600								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-69296**	Date Analyzed:	04/24/2020 1459h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Silver		< 0.000500	mg/L	E200.8	0.0000580	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.0000975	0.000500								
Lab Sample ID:	**MB-69327**	Date Analyzed:	04/17/2020 1105h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/16/2020 1034h											
Mercury		< 0.0000900	mg/L	E245.1	0.0000396	0.0000900								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004292-001EMS**	Date Analyzed:	04/24/2020 1511h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Calcium		355	mg/L	E200.7	2.11	10.0	10.00	342	124	70 - 130				
Lab Sample ID:	**2004292-010EMS**	Date Analyzed:	04/24/2020 1534h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Calcium		532	mg/L	E200.7	2.11	10.0	10.00	520	120	70 - 130				
Magnesium		248	mg/L	E200.7	0.654	10.0	10.00	235	133	70 - 130				2
Potassium		30.9	mg/L	E200.7	2.46	10.0	10.00	21	99.1	70 - 130				
Lab Sample ID:	**2004292-001EMS**	Date Analyzed:	04/24/2020 1651h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Magnesium		113	mg/L	E200.7	0.327	5.00	10.00	103	109	70 - 130				
Potassium		23.7	mg/L	E200.7	1.23	5.00	10.00	12.1	116	70 - 130				
Lab Sample ID:	**2004292-001EMS**	Date Analyzed:	04/24/2020 1429h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Sodium		560	mg/L	E200.7	2.46	20.0	10.00	548	118	70 - 130				
Lab Sample ID:	**2004292-010EMS**	Date Analyzed:	04/24/2020 1535h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Sodium		512	mg/L	E200.7	1.23	10.0	10.00	498	141	70 - 130				2
Lab Sample ID:	**2004292-001EMS**	Date Analyzed:	04/27/2020 1207h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Vanadium		0.219	mg/L	E200.7	0.00252	0.00500	0.2000	0	109	70 - 130				
Lab Sample ID:	**2004292-010EMS**	Date Analyzed:	04/27/2020 1245h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Vanadium		0.217	mg/L	E200.7	0.00252	0.00500	0.2000	0	109	70 - 130				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-001EMS	Date Analyzed:	04/23/2020 2001h											
Test Code: 200.8-DIS	Date Prepared:	04/16/2020 800h											
Arsenic	0.213	mg/L	E200.8	0.000298	0.00200	0.2000	0.000536	106	75 - 125				
Beryllium	0.196	mg/L	E200.8	0.000198	0.00200	0.2000	0	97.9	75 - 125				
Cadmium	0.198	mg/L	E200.8	0.0000742	0.000500	0.2000	0.0000789	98.7	75 - 125				
Chromium	0.196	mg/L	E200.8	0.00191	0.00200	0.2000	0	98.2	75 - 125				
Cobalt	0.199	mg/L	E200.8	0.000300	0.00400	0.2000	0.000188	99.5	75 - 125				
Copper	0.194	mg/L	E200.8	0.00166	0.00200	0.2000	0	97.1	75 - 125				
Iron	0.974	mg/L	E200.8	0.0328	0.100	1.000	0	97.4	75 - 125				
Lead	0.199	mg/L	E200.8	0.000448	0.00200	0.2000	0	99.5	75 - 125				
Manganese	0.194	mg/L	E200.8	0.000766	0.00200	0.2000	0.000323	97.1	75 - 125				
Molybdenum	0.225	mg/L	E200.8	0.000652	0.00200	0.2000	0.00135	112	75 - 125				
Nickel	0.197	mg/L	E200.8	0.000728	0.00200	0.2000	0.000807	98.1	75 - 125				
Selenium	0.208	mg/L	E200.8	0.000508	0.00200	0.2000	0.0109	98.5	75 - 125				
Tin	1.09	mg/L	E200.8	0.00115	0.00400	1.000	0	109	75 - 125				
Uranium	0.220	mg/L	E200.8	0.000176	0.00200	0.2000	0.013	103	75 - 125				
Zinc	1.02	mg/L	E200.8	0.00418	0.00600	1.000	0.00618	102	75 - 125				
Lab Sample ID: 2004292-010EMS	Date Analyzed:	04/23/2020 2044h											
Test Code: 200.8-DIS	Date Prepared:	04/16/2020 800h											
Arsenic	0.217	mg/L	E200.8	0.000298	0.00200	0.2000	0.00486	106	75 - 125				
Beryllium	0.198	mg/L	E200.8	0.000198	0.00200	0.2000	0	98.9	75 - 125				
Cadmium	0.195	mg/L	E200.8	0.0000742	0.000500	0.2000	0.000034	97.4	75 - 125				
Chromium	0.196	mg/L	E200.8	0.00191	0.00200	0.2000	0	97.8	75 - 125				
Cobalt	0.200	mg/L	E200.8	0.000300	0.00400	0.2000	0.0033	98.2	75 - 125				
Copper	0.192	mg/L	E200.8	0.00166	0.00200	0.2000	0	96.1	75 - 125				
Lead	0.193	mg/L	E200.8	0.000448	0.00200	0.2000	0	96.4	75 - 125				
Molybdenum	0.228	mg/L	E200.8	0.000652	0.00200	0.2000	0.0023	113	75 - 125				
Nickel	0.196	mg/L	E200.8	0.000728	0.00200	0.2000	0.00169	97.1	75 - 125				
Selenium	0.195	mg/L	E200.8	0.000508	0.00200	0.2000	0	97.3	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004292-010EMS**	Date Analyzed:	04/23/2020 2044h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Tin		1.11	mg/L	E200.8	0.00115	0.00400	1.000	0	111	75 - 125				
Uranium		0.218	mg/L	E200.8	0.000176	0.00200	0.2000	0.0148	102	75 - 125				
Zinc		1.02	mg/L	E200.8	0.00418	0.00600	1.000	0.00882	102	75 - 125				
Lab Sample ID:	**2004292-010EMS**	Date Analyzed:	04/24/2020 1517h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Iron		2.40	mg/L	E200.8	0.164	0.500	1.000	1.41	98.2	75 - 125				
Manganese		5.44	mg/L	E200.8	0.00383	0.0100	0.2000	5.3	73.0	75 - 125				2
Lab Sample ID:	**2004292-001EMS**	Date Analyzed:	04/24/2020 1541h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Silver		0.175	mg/L	E200.8	0.000232	0.00200	0.2000	0	87.6	75 - 125				
Thallium		0.186	mg/L	E200.8	0.000390	0.00200	0.2000	0.000295	92.9	75 - 125				
Lab Sample ID:	**2004292-010EMS**	Date Analyzed:	04/24/2020 1628h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Silver		0.169	mg/L	E200.8	0.000232	0.00200	0.2000	0	84.4	75 - 125				
Thallium		0.180	mg/L	E200.8	0.000390	0.00200	0.2000	0.000191	89.9	75 - 125				
Lab Sample ID:	**2004292-002EMS**	Date Analyzed:	04/17/2020 1117h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/16/2020 1034h											
Mercury		0.00340	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	102	85 - 115				

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004292-001EMSD**	Date Analyzed:	04/24/2020 1514h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Calcium		368	mg/L	E200.7	2.11	10.0	10.00	342	259	70 - 130	355	3.71	20	2
Lab Sample ID:	**2004292-010EMSD**	Date Analyzed:	04/24/2020 1544h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Calcium		544	mg/L	E200.7	2.11	10.0	10.00	520	242	70 - 130	532	2.26	20	2
Magnesium		253	mg/L	E200.7	0.654	10.0	10.00	235	182	70 - 130	248	1.95	20	2
Potassium		32.2	mg/L	E200.7	2.46	10.0	10.00	21	112	70 - 130	30.9	4.14	20	
Lab Sample ID:	**2004292-001EMSD**	Date Analyzed:	04/24/2020 1653h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Magnesium		116	mg/L	E200.7	0.327	5.00	10.00	103	135	70 - 130	113	2.30	20	2
Potassium		23.5	mg/L	E200.7	1.23	5.00	10.00	12.1	114	70 - 130	23.7	0.777	20	
Lab Sample ID:	**2004292-001EMSD**	Date Analyzed:	04/24/2020 1432h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Sodium		556	mg/L	E200.7	2.46	20.0	10.00	548	75.0	70 - 130	560	0.761	20	
Lab Sample ID:	**2004292-010EMSD**	Date Analyzed:	04/24/2020 1538h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Sodium		513	mg/L	E200.7	1.23	10.0	10.00	498	152	70 - 130	512	0.231	20	2
Lab Sample ID:	**2004292-001EMSD**	Date Analyzed:	04/27/2020 1210h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Vanadium		0.223	mg/L	E200.7	0.00252	0.00500	0.2000	0	111	70 - 130	0.219	1.89	20	
Lab Sample ID:	**2004292-010EMSD**	Date Analyzed:	04/27/2020 1248h											
Test Code:	200.7-DIS	Date Prepared:	04/16/2020 800h											
Vanadium		0.219	mg/L	E200.7	0.00252	0.00500	0.2000	0	110	70 - 130	0.217	1.02	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-001EMSD	Date Analyzed:	04/23/2020 2004h											
Test Code: 200.8-DIS	Date Prepared:	04/16/2020 800h											
Arsenic	0.216	mg/L	E200.8	0.000298	0.00200	0.2000	0.000536	108	75 - 125	0.213	1.06	20	
Beryllium	0.198	mg/L	E200.8	0.000198	0.00200	0.2000	0	99.2	75 - 125	0.196	1.31	20	
Cadmium	0.196	mg/L	E200.8	0.0000742	0.000500	0.2000	0.0000789	97.9	75 - 125	0.198	0.886	20	
Chromium	0.196	mg/L	E200.8	0.00191	0.00200	0.2000	0	98.1	75 - 125	0.196	0.0777	20	
Cobalt	0.199	mg/L	E200.8	0.000300	0.00400	0.2000	0.000188	99.6	75 - 125	0.199	0.0981	20	
Copper	0.194	mg/L	E200.8	0.00166	0.00200	0.2000	0	97.2	75 - 125	0.194	0.0959	20	
Iron	0.974	mg/L	E200.8	0.0328	0.100	1.000	0	97.4	75 - 125	0.974	0.0313	20	
Lead	0.193	mg/L	E200.8	0.000448	0.00200	0.2000	0	96.6	75 - 125	0.199	3.00	20	
Manganese	0.195	mg/L	E200.8	0.000766	0.00200	0.2000	0.000323	97.2	75 - 125	0.194	0.0977	20	
Molybdenum	0.225	mg/L	E200.8	0.000652	0.00200	0.2000	0.00135	112	75 - 125	0.225	0.0238	20	
Nickel	0.198	mg/L	E200.8	0.000728	0.00200	0.2000	0.000807	98.6	75 - 125	0.197	0.497	20	
Selenium	0.208	mg/L	E200.8	0.000508	0.00200	0.2000	0.0109	98.4	75 - 125	0.208	0.0911	20	
Tin	1.10	mg/L	E200.8	0.00115	0.00400	1.000	0	110	75 - 125	1.09	1.29	20	
Uranium	0.213	mg/L	E200.8	0.000176	0.00200	0.2000	0.013	100	75 - 125	0.22	2.87	20	
Zinc	1.03	mg/L	E200.8	0.00418	0.00600	1.000	0.00618	102	75 - 125	1.02	0.531	20	
Lab Sample ID: 2004292-010EMSD	Date Analyzed:	04/23/2020 2047h											
Test Code: 200.8-DIS	Date Prepared:	04/16/2020 800h											
Arsenic	0.220	mg/L	E200.8	0.000298	0.00200	0.2000	0.00486	108	75 - 125	0.217	1.37	20	
Beryllium	0.193	mg/L	E200.8	0.000198	0.00200	0.2000	0	96.3	75 - 125	0.198	2.72	20	
Cadmium	0.196	mg/L	E200.8	0.0000742	0.000500	0.2000	0.000034	98.2	75 - 125	0.195	0.771	20	
Chromium	0.193	mg/L	E200.8	0.00191	0.00200	0.2000	0	96.5	75 - 125	0.196	1.34	20	
Cobalt	0.198	mg/L	E200.8	0.000300	0.00400	0.2000	0.0033	97.4	75 - 125	0.2	0.809	20	
Copper	0.190	mg/L	E200.8	0.00166	0.00200	0.2000	0	95.1	75 - 125	0.192	1.04	20	
Lead	0.191	mg/L	E200.8	0.000448	0.00200	0.2000	0	95.5	75 - 125	0.193	0.952	20	
Molybdenum	0.224	mg/L	E200.8	0.000652	0.00200	0.2000	0.0023	111	75 - 125	0.228	1.68	20	
Nickel	0.195	mg/L	E200.8	0.000728	0.00200	0.2000	0.00169	96.5	75 - 125	0.196	0.650	20	
Selenium	0.193	mg/L	E200.8	0.000508	0.00200	0.2000	0	96.6	75 - 125	0.195	0.714	20	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004292-010EMSD**	Date Analyzed:	04/23/2020 2047h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Tin		1.08	mg/L	E200.8	0.00115	0.00400	1.000	0	108	75 - 125	1.11	1.97	20	
Uranium		0.218	mg/L	E200.8	0.000176	0.00200	0.2000	0.0148	102	75 - 125	0.218	0.116	20	
Zinc		1.03	mg/L	E200.8	0.00418	0.00600	1.000	0.00882	102	75 - 125	1.02	0.120	20	
Lab Sample ID:	**2004292-010EMSD**	Date Analyzed:	04/24/2020 1520h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Iron		2.43	mg/L	E200.8	0.164	0.500	1.000	1.41	102	75 - 125	2.4	1.59	20	
Manganese		5.50	mg/L	E200.8	0.00383	0.0100	0.2000	5.3	101	75 - 125	5.44	1.04	20	
Lab Sample ID:	**2004292-001EMSD**	Date Analyzed:	04/24/2020 1544h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Silver		0.187	mg/L	E200.8	0.000232	0.00200	0.2000	0	93.6	75 - 125	0.175	6.61	20	
Thallium		0.189	mg/L	E200.8	0.000390	0.00200	0.2000	0.000295	94.6	75 - 125	0.186	1.77	20	
Lab Sample ID:	**2004292-010EMSD**	Date Analyzed:	04/24/2020 1631h											
Test Code:	200.8-DIS	Date Prepared:	04/16/2020 800h											
Silver		0.166	mg/L	E200.8	0.000232	0.00200	0.2000	0	83.2	75 - 125	0.169	1.48	20	
Thallium		0.182	mg/L	E200.8	0.000390	0.00200	0.2000	0.000191	91.1	75 - 125	0.18	1.27	20	
Lab Sample ID:	**2004292-002EMSD**	Date Analyzed:	04/17/2020 1119h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/16/2020 1034h											
Mercury		0.00339	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	102	85 - 115	0.0034	0.393	20	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-017DDUP Date Analyzed: 05/01/2020 1457h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	39.4	mg/L	E353.2	0.247	0.500					37.5	4.89	20	
Lab Sample ID: 2004292-005CDUP Date Analyzed: 04/10/2020 1420h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,920	mg/L	SM2540C	16.0	20.0					3480	11.9	5	@
Lab Sample ID: 2004292-001CDUP Date Analyzed: 04/13/2020 1310h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,170	mg/L	SM2540C	16.0	20.0					2650	17.7	5	@
Lab Sample ID: 2004292-013CDUP Date Analyzed: 04/13/2020 1400h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,140	mg/L	SM2540C	16.0	20.0					3180	1.52	5	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R137930 Date Analyzed: 04/20/2020 1518h													
Test Code: 300.0-W													
Chloride	5.19	mg/L	E300.0	0.0565	0.100	5.000	0	104	90 - 110				
Fluoride	5.17	mg/L	E300.0	0.0240	0.100	5.000	0	103	90 - 110				
Sulfate	5.27	mg/L	E300.0	0.136	0.750	5.000	0	105	90 - 110				
Lab Sample ID: LCS-R137989 Date Analyzed: 04/21/2020 1629h													
Test Code: 300.0-W													
Chloride	5.14	mg/L	E300.0	0.0565	0.100	5.000	0	103	90 - 110				
Fluoride	5.20	mg/L	E300.0	0.0240	0.100	5.000	0	104	90 - 110				
Sulfate	5.27	mg/L	E300.0	0.136	0.750	5.000	0	105	90 - 110				
Lab Sample ID: LCS-R138291 Date Analyzed: 04/29/2020 1647h													
Test Code: 300.0-W													
Sulfate	5.49	mg/L	E300.0	0.136	0.750	5.000	0	110	90 - 110				
Lab Sample ID: LCS-R137546 Date Analyzed: 04/13/2020 614h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	250	mg/L	SM2320B	0.369	1.00	250.0	0	100	90 - 110				
Lab Sample ID: LCS-69347 Date Analyzed: 04/20/2020 1204h													
Test Code: NH3-W-350.1 Date Prepared: 04/20/2020 805h													
Ammonia (as N)	9.08	mg/L	E350.1	0.0473	0.0500	10.00	0	90.8	90 - 110				
Lab Sample ID: LCS-R137637 Date Analyzed: 04/14/2020 1358h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00494	0.0100	1.000	0	104	90 - 110				
Lab Sample ID: LCS-R137638 Date Analyzed: 04/14/2020 1322h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00494	0.0100	1.000	0	101	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R138365 Date Analyzed: 05/01/2020 1439h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.902	mg/L	E353.2	0.00494	0.0100	1.000	0	90.2	90 - 110				
Lab Sample ID: LCS-R137571 Date Analyzed: 04/10/2020 1420h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	198	mg/L	SM2540C	8.00	10.0	205.0	0	96.6	80 - 120				
Lab Sample ID: LCS-R137617 Date Analyzed: 04/13/2020 1310h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	188	mg/L	SM2540C	8.00	10.0	205.0	0	91.7	80 - 120				
Lab Sample ID: LCS-R137620 Date Analyzed: 04/13/2020 1400h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	218	mg/L	SM2540C	8.00	10.0	205.0	0	106	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCSD-R137620 Date Analyzed: 04/13/2020 1400h Test Code: TDS-W-2540C													
Total Dissolved Solids	186	mg/L	SM2540C	8.00	10.0	205.0	0	90.7	80 - 120	218	15.8	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R137930	Date Analyzed:	04/20/2020 1502h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R137989	Date Analyzed:	04/21/2020 1612h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R138291	Date Analyzed:	04/29/2020 1631h											
Test Code: 300.0-W													
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R137546	Date Analyzed:	04/13/2020 614h											
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.369	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.369	1.00								
Lab Sample ID: MB-69347	Date Analyzed:	04/20/2020 1203h											
Test Code: NH3-W-350.1	Date Prepared:	04/20/2020 805h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0473	0.0500								
Lab Sample ID: MB-R137637	Date Analyzed:	04/14/2020 1236h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R137638 Date Analyzed: 04/14/2020 1321h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								
Lab Sample ID: MB-R138365 Date Analyzed: 05/01/2020 1438h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								
Lab Sample ID: MB-R137571 Date Analyzed: 04/10/2020 1420h Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								
Lab Sample ID: MB-R137617 Date Analyzed: 04/13/2020 1310h Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								
Lab Sample ID: MB-R137620 Date Analyzed: 04/13/2020 1400h Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-012BMS Date Analyzed: 04/20/2020 1947h													
Test Code: 300.0-W													
Chloride	1,410	mg/L	E300.0	11.3	20.0	1,000	376	103	90 - 110				
Fluoride	1,040	mg/L	E300.0	4.80	20.0	1,000	0	104	90 - 110				
Sulfate	2,200	mg/L	E300.0	27.2	150	1,000	1130	107	90 - 110				
Lab Sample ID: 2004292-016BMS Date Analyzed: 04/21/2020 2113h													
Test Code: 300.0-W													
Chloride	2,620	mg/L	E300.0	28.2	50.0	2,500	50.7	103	90 - 110				
Fluoride	2,620	mg/L	E300.0	12.0	50.0	2,500	0	105	90 - 110				
Sulfate	3,420	mg/L	E300.0	68.0	375	2,500	1170	90.1	90 - 110				
Lab Sample ID: 2004292-002BMS Date Analyzed: 04/29/2020 1721h													
Test Code: 300.0-W													
Sulfate	2,290	mg/L	E300.0	27.2	150	1,000	1200	109	90 - 110				
Lab Sample ID: 2004292-001BMS Date Analyzed: 04/13/2020 614h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	1,290	mg/L	SM2320B	0.369	1.00	1,000	292	99.6	80 - 120				
Lab Sample ID: 2004292-011BMS Date Analyzed: 04/13/2020 614h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	672	mg/L	SM2320B	0.369	1.00	500.0	170	100	80 - 120				
Lab Sample ID: 2004292-001DMS Date Analyzed: 04/20/2020 1205h													
Test Code: NH3-W-350.1 Date Prepared: 04/20/2020 805h													
Ammonia (as N)	13.9	mg/L	E350.1	0.0473	0.0500	10.00	0	139	90 - 110				I
Lab Sample ID: 2004292-011DMS Date Analyzed: 04/20/2020 1221h													
Test Code: NH3-W-350.1 Date Prepared: 04/20/2020 805h													
Ammonia (as N)	14.0	mg/L	E350.1	0.0473	0.0500	10.00	0	140	90 - 110				I

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-001DMS Date Analyzed: 04/14/2020 1305h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.10	mg/L	E353.2	0.00494	0.0100	1.000	0.0501	105	90 - 110				
Lab Sample ID: 2004292-009DMS Date Analyzed: 04/14/2020 1324h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.6	mg/L	E353.2	0.0494	0.100	10.00	6.43	102	90 - 110				
Lab Sample ID: 2004292-017DMS Date Analyzed: 05/01/2020 1454h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	86.5	mg/L	E353.2	0.247	0.500	50.00	37.5	97.9	90 - 110				

[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-012BMSD Date Analyzed: 04/21/2020 855h													
Test Code: 300.0-W													
Chloride	1,380	mg/L	E300.0	11.3	20.0	1,000	376	101	90 - 110	1410	1.94	20	
Fluoride	1,000	mg/L	E300.0	4.80	20.0	1,000	0	100	90 - 110	1040	3.53	20	
Sulfate	2,170	mg/L	E300.0	27.2	150	1,000	1130	104	90 - 110	2200	1.25	20	
Lab Sample ID: 2004292-016BMSD Date Analyzed: 04/21/2020 2130h													
Test Code: 300.0-W													
Chloride	2,690	mg/L	E300.0	28.2	50.0	2,500	50.7	106	90 - 110	2620	2.61	20	
Fluoride	2,690	mg/L	E300.0	12.0	50.0	2,500	0	108	90 - 110	2620	2.68	20	
Sulfate	3,820	mg/L	E300.0	68.0	375	2,500	1170	106	90 - 110	3420	10.9	20	
Lab Sample ID: 2004292-002BMSD Date Analyzed: 04/29/2020 1738h													
Test Code: 300.0-W													
Sulfate	2,260	mg/L	E300.0	27.2	150	1,000	1200	106	90 - 110	2290	1.25	20	
Lab Sample ID: 2004292-001BMSD Date Analyzed: 04/13/2020 614h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	1,290	mg/L	SM2320B	0.369	1.00	1,000	292	99.4	80 - 120	1290	0.155	10	
Lab Sample ID: 2004292-011BMSD Date Analyzed: 04/13/2020 614h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	675	mg/L	SM2320B	0.369	1.00	500.0	170	101	80 - 120	672	0.445	10	
Lab Sample ID: 2004292-001DMSD Date Analyzed: 04/20/2020 1206h													
Test Code: NH3-W-350.1 Date Prepared: 04/20/2020 805h													
Ammonia (as N)	13.8	mg/L	E350.1	0.0473	0.0500	10.00	0	138	90 - 110	13.9	1.08	10	I
Lab Sample ID: 2004292-011DMSD Date Analyzed: 04/20/2020 1222h													
Test Code: NH3-W-350.1 Date Prepared: 04/20/2020 805h													
Ammonia (as N)	13.8	mg/L	E350.1	0.0473	0.0500	10.00	0	138	90 - 110	14	1.80	10	I

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-001DMSD Date Analyzed: 04/14/2020 1306h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.11	mg/L	E353.2	0.00494	0.0100	1.000	0.0501	106	90 - 110	1.1	0.633	10	
Lab Sample ID: 2004292-009DMSD Date Analyzed: 04/14/2020 1326h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.8	mg/L	E353.2	0.0494	0.100	10.00	6.43	103	90 - 110	16.6	0.779	10	
Lab Sample ID: 2004292-017DMSD Date Analyzed: 05/01/2020 1456h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	85.7	mg/L	E353.2	0.247	0.500	50.00	37.5	96.3	90 - 110	86.5	0.941	10	

' - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-2 041020A Date Analyzed: 04/10/2020 737h													
Test Code: 8260D-W-DEN100													
2-Butanone	20.9	µg/L	SW8260D	1.22	20.0	20.00	0	105	74 - 236				
Acetone	25.7	µg/L	SW8260D	2.76	20.0	20.00	0	129	70 - 350				
Benzene	21.7	µg/L	SW8260D	0.147	1.00	20.00	0	108	80 - 127				
Carbon tetrachloride	19.1	µg/L	SW8260D	0.859	1.00	20.00	0	95.6	66 - 143				
Chloroform	20.5	µg/L	SW8260D	0.166	1.00	20.00	0	102	85 - 124				
Chloromethane	19.0	µg/L	SW8260D	0.802	1.00	20.00	0	94.8	30 - 149				
Methylene chloride	22.9	µg/L	SW8260D	0.381	1.00	20.00	0	114	65 - 154				
Naphthalene	19.7	µg/L	SW8260D	0.704	1.00	20.00	0	98.4	55 - 128				
Tetrahydrofuran	23.2	µg/L	SW8260D	0.436	1.00	20.00	0	116	59 - 135				
Toluene	20.7	µg/L	SW8260D	0.285	1.00	20.00	0	103	69 - 129				
Xylenes, Total	61.0	µg/L	SW8260D	0.575	1.00	60.00	0	102	66 - 124				
Surr: 1,2-Dichloroethane-d4	49.5	µg/L	SW8260D			50.00		98.9	80 - 136				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260D			50.00		98.5	85 - 121				
Surr: Dibromofluoromethane	47.4	µg/L	SW8260D			50.00		94.7	78 - 132				
Surr: Toluene-d8	47.6	µg/L	SW8260D			50.00		95.2	81 - 123				
Lab Sample ID: LCS VOC-2 041320A Date Analyzed: 04/13/2020 735h													
Test Code: 8260D-W-DEN100													
2-Butanone	33.8	µg/L	SW8260D	1.22	20.0	20.00	0	169	74 - 236				
Acetone	43.4	µg/L	SW8260D	2.76	20.0	20.00	0	217	70 - 350				
Benzene	22.4	µg/L	SW8260D	0.147	1.00	20.00	0	112	80 - 127				
Carbon tetrachloride	19.9	µg/L	SW8260D	0.859	1.00	20.00	0	99.6	66 - 143				
Chloroform	21.0	µg/L	SW8260D	0.166	1.00	20.00	0	105	85 - 124				
Chloromethane	20.3	µg/L	SW8260D	0.802	1.00	20.00	0	102	30 - 149				
Methylene chloride	23.8	µg/L	SW8260D	0.381	1.00	20.00	0	119	65 - 154				
Naphthalene	19.5	µg/L	SW8260D	0.704	1.00	20.00	0	97.6	55 - 128				
Tetrahydrofuran	23.4	µg/L	SW8260D	0.436	1.00	20.00	0	117	59 - 135				
Toluene	21.2	µg/L	SW8260D	0.285	1.00	20.00	0	106	69 - 129				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-2 041320A Date Analyzed: 04/13/2020 735h Test Code: 8260D-W-DEN100													
Xylenes, Total	61.4	µg/L	SW8260D	0.575	1.00	60.00	0	102	66 - 124				
Surr: 1,2-Dichloroethane-d4	49.9	µg/L	SW8260D			50.00		99.8	80 - 136				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260D			50.00		99.3	85 - 121				
Surr: Dibromofluoromethane	47.1	µg/L	SW8260D			50.00		94.2	78 - 132				
Surr: Toluene-d8	47.4	µg/L	SW8260D			50.00		94.7	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-2 041020A Date Analyzed: 04/10/2020 757h													
Test Code: 8260D-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260D	1.22	20.0								
Acetone	< 20.0	µg/L	SW8260D	2.76	20.0								
Benzene	< 1.00	µg/L	SW8260D	0.147	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Naphthalene	< 1.00	µg/L	SW8260D	0.704	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260D	0.436	1.00								
Toluene	< 1.00	µg/L	SW8260D	0.285	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260D	0.575	1.00								
Surr: 1,2-Dichloroethane-d4	49.7	µg/L	SW8260D			50.00		99.4	80 - 136				
Surr: 4-Bromofluorobenzene	50.7	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	46.4	µg/L	SW8260D			50.00		92.9	78 - 132				
Surr: Toluene-d8	48.6	µg/L	SW8260D			50.00		97.1	81 - 123				
Lab Sample ID: MB VOC-2 041320A Date Analyzed: 04/13/2020 755h													
Test Code: 8260D-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260D	1.22	20.0								
Acetone	< 20.0	µg/L	SW8260D	2.76	20.0								
Benzene	< 1.00	µg/L	SW8260D	0.147	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Naphthalene	< 1.00	µg/L	SW8260D	0.704	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260D	0.436	1.00								
Toluene	< 1.00	µg/L	SW8260D	0.285	1.00								

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-2 041320A Date Analyzed: 04/13/2020 755h Test Code: 8260D-W-DEN100													
Xylenes, Total	< 1.00	µg/L	SW8260D	0.575	1.00								
Surr: 1,2-Dichloroethane-d4	50.0	µg/L	SW8260D			50.00		100	80 - 136				
Surr: 4-Bromofluorobenzene	50.6	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	45.6	µg/L	SW8260D			50.00		91.3	78 - 132				
Surr: Toluene-d8	48.0	µg/L	SW8260D			50.00		96.1	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-008AMS Date Analyzed: 04/13/2020 855h													
Test Code: 8260D-W-DEN100													
2-Butanone	539	µg/L	SW8260D	24.4	400	400.0	0	135	74 - 236				
Acetone	540	µg/L	SW8260D	55.2	400	400.0	0	135	70 - 350				
Benzene	462	µg/L	SW8260D	2.94	20.0	400.0	0	115	80 - 127				
Carbon tetrachloride	408	µg/L	SW8260D	17.2	20.0	400.0	0	102	66 - 143				
Chloroform	1,900	µg/L	SW8260D	3.32	20.0	400.0	1420	121	85 - 124				
Chloromethane	473	µg/L	SW8260D	16.0	20.0	400.0	0	118	30 - 149				
Methylene chloride	490	µg/L	SW8260D	7.62	20.0	400.0	1.94	122	65 - 154				
Naphthalene	384	µg/L	SW8260D	14.1	20.0	400.0	0	96.0	55 - 128				
Tetrahydrofuran	522	µg/L	SW8260D	8.72	20.0	400.0	0	130	59 - 135				
Toluene	442	µg/L	SW8260D	5.70	20.0	400.0	0	111	69 - 129				
Xylenes, Total	1,300	µg/L	SW8260D	11.5	20.0	1,200	0	108	66 - 124				
Surr: 1,2-Dichloroethane-d4	998	µg/L	SW8260D			1,000		99.8	80 - 136				
Surr: 4-Bromofluorobenzene	996	µg/L	SW8260D			1,000		99.6	85 - 121				
Surr: Dibromofluoromethane	955	µg/L	SW8260D			1,000		95.5	78 - 132				
Surr: Toluene-d8	956	µg/L	SW8260D			1,000		95.6	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004292
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004292-008AMSD Date Analyzed: 04/13/2020 915h													
Test Code: 8260D-W-DEN100													
2-Butanone	517	µg/L	SW8260D	24.4	400	400.0	0	129	74 - 236	539	4.21	35	
Acetone	509	µg/L	SW8260D	55.2	400	400.0	0	127	70 - 350	540	5.76	35	
Benzene	439	µg/L	SW8260D	2.94	20.0	400.0	0	110	80 - 127	462	5.02	35	
Carbon tetrachloride	387	µg/L	SW8260D	17.2	20.0	400.0	0	96.8	66 - 143	408	5.33	35	
Chloroform	1,810	µg/L	SW8260D	3.32	20.0	400.0	1420	98.6	85 - 124	1900	4.84	35	
Chloromethane	453	µg/L	SW8260D	16.0	20.0	400.0	0	113	30 - 149	473	4.36	35	
Methylene chloride	472	µg/L	SW8260D	7.62	20.0	400.0	1.94	118	65 - 154	490	3.66	35	
Naphthalene	384	µg/L	SW8260D	14.1	20.0	400.0	0	96.0	55 - 128	384	0	35	
Tetrahydrofuran	505	µg/L	SW8260D	8.72	20.0	400.0	0	126	59 - 135	522	3.27	35	
Toluene	414	µg/L	SW8260D	5.70	20.0	400.0	0	104	69 - 129	442	6.54	35	
Xylenes, Total	1,230	µg/L	SW8260D	11.5	20.0	1,200	0	102	66 - 124	1300	5.74	35	
Surr: 1,2-Dichloroethane-d4	1,010	µg/L	SW8260D			1,000		101	80 - 136				
Surr: 4-Bromofluorobenzene	1,000	µg/L	SW8260D			1,000		100	85 - 121				
Surr: Dibromofluoromethane	949	µg/L	SW8260D			1,000		94.9	78 - 132				
Surr: Toluene-d8	955	µg/L	SW8260D			1,000		95.5	81 - 123				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Client ID: ENE300 **Contact:** Tanner Holliday

Project: **2nd Quarter Ground Water 2020** **QC Level:** III WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. CC KWeinel@energyfuels.com & gpalmer@energyfuels.com; Do not use "*R_" samples as MS/MSD.; DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-001A	**MW-02_04072020**	4/7/2020 1430h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-001C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004292-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-001E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-002A	**MW-05_04082020**	4/8/2020 1520h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-002C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-002D	**MW-05_04082020**	4/8/2020 1520h	4/10/2020 1210h	**NH3-W-350.1**	Aqueous		df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-002E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-003A	**MW-11_04082020**	4/8/2020 1140h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-003B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-003C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-003D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-003E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-003E	**MW-11_04082020**	4/8/2020 1140h	4/10/2020 1210h	**HG-DW-DIS-PR**	Aqueous		df-met	1
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-004A	**MW-12_04092020**	4/9/2020 0920h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-004B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-004C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-004D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-004E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-005A	**MW-14_04062020**	4/6/2020 1505h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-005B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-005C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-005D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-005D	**MW-14_04062020**	4/6/2020 1505h	4/10/2020 1210h	**NH3-W-PR**	Aqueous		df - no2/no3 & nh3	1
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-005E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-006A	**MW-15_04072020**	4/7/2020 1025h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-006B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-006C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-006D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-006E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-006E	**MW-15_04072020**	4/7/2020 1025h	4/10/2020 1210h	**IONBALANCE**	Aqueous	☑	df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-007A	**MW-25_04072020**	4/7/2020 1410h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-007B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-007C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004292-007D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-007E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-008A	**MW-26_04082020**	4/8/2020 1300h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-008B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-008C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004292-008D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-008D	**MW-26_04082020**	4/8/2020 1300h	4/10/2020 1210h	**NO2/NO3-W-353.2**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NO3NO2N				
2004292-008E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-009A	**MW-27_04082020**	4/8/2020 1405h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-009B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-009C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004292-009D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-009E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc.

Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-010A	**MW-29_04082020**	4/8/2020 0950h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-010B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-010C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-010D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-010E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-011A	**MW-30_04062020**	4/6/2020 1115h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-011B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-011C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-011D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-011E	**MW-30_04062020**	4/6/2020 1115h	4/10/2020 1210h	**200.7-DIS**	Aqueous		df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-012A	**MW-31_04062020**	4/6/2020 1340h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-012B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-012C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-012D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-012E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

WORK ORDER Summary

Client: Energy Fuels Resources, Inc. **Due Date:** 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-013A	MW-32_04072020	4/7/2020 1210h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-013B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-013C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-013D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-013E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-014A	MW-35_04092020	4/9/2020 0820h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-014B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-014C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-014D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-014E	**MW-35_04092020**	4/9/2020 0820h	4/10/2020 1210h	**200.7-DIS**	Aqueous		df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-015A	**MW-36_04092020**	4/9/2020 0945h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-015B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-015C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-015D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-015E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-016A	**MW-65_04082020**	4/8/2020 1520h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-016B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-016C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-016D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004292-016E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-017A	**TW4-24_04082020**	4/8/2020 1330h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004292-017B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004292-017C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004292-017D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **2004292**

Client: Energy Fuels Resources, Inc. Due Date: 4/24/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004292-017E	**TW4-24_04082020**	4/8/2020 1330h	4/10/2020 1210h	**200.7-DIS**	Aqueous		df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004292-018A	**Trip Blank**	4/6/2020 1115h	4/10/2020 1210h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

2004292
AWAL Lab Sample Set #

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All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		4/24/20

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Tanner Holliday**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; tholliday@energyfuels.com**
Project Name: **2nd Quarter Ground Water 2020**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-02_04072020	4/7/2020	1430	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-05_04082020	4/8/2020	1520	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-11_04082020	4/8/2020	1140	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-12_04092020	4/9/2020	920	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-14_04062020	4/6/2020	1505	7	W	x	x	x	x	x	x	x	x	x	x	
6	MW-15_04072020	4/7/2020	1025	7	W	x	x	x	x	x	x	x	x	x	x	
7	MW-25_04072020	4/7/2020	1410	7	W	x	x	x	x	x	x	x	x	x	x	
8	MW-26_04082020	4/8/2020	1300	7	W	x	x	x	x	x	x	x	x	x	x	
9	MW-27_04082020	4/8/2020	1405	7	W	x	x	x	x	x	x	x	x	x	x	
10	MW-29_04082020	4/8/2020	950	7	W	x	x	x	x	x	x	x	x	x	x	
11	MW-30_04062020	4/6/2020	1115	7	W	x	x	x	x	x	x	x	x	x	x	
12	MW-31_04062020	4/6/2020	1340	7	W	x	x	x	x	x	x	x	x	x	x	

Relinquished by: Signature	Tanner Holliday	Date: 4/9/2020	Received by: Signature		Date:
Print Name:	Tanner Holliday	Time: 1100	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature	Denise Brown	Date: 4/10/20
Print Name:		Time:	Print Name:	Denise Brown	Time: 12:10

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
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463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
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CHAIN OF CUSTODY

2004292
AWAL Lab Sample Set #

Page 2 of 2

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		4/24/20

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Tanner Holliday**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; tholliday@energyfuels.com**
Project Name: **2nd Quarter Ground Water 2020**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-32_04072020	4/7/2020	1210	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-35_04092020	4/9/2020	820	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-36_04092020	4/9/2020	945	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-65_04082020	4/8/2020	1520	7	W	x	x	x	x	x	x	x	x	x	x	
5	TW4-24_04082020	4/8/2020	1330	7	W	x	x	x	x	x	x	x	x	x	x	
6	Trip Blank	4/6/2020	1115	7	W	x	x	x	x	x	x	x	x	x	x	
7				7	W	x	x	x	x	x	x	x	x	x	x	
8				7	W	x	x	x	x	x	x	x	x	x	x	
9				7	W	x	x	x	x	x	x	x	x	x	x	
10				7	W	x	x	x	x	x	x	x	x	x	x	
11				7	W	x	x	x	x	x	x	x	x	x	x	
12				7	W	x	x	x	x	x	x	x	x	x	x	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.4 °C
4 Received Broken/Leaking (Improperly Sealed)
Y N
5 Properly Preserved
Y N
Checked at bench
Y N
6 Received Within Holding Times
Y N

COC Tape Was:
1 Present on Outer Package
Y N NA
2 Unbroken on Outer Package
Y N NA
3 Present on Sample
Y N NA
4 Unbroken on Sample
Y N NA

Discrepancies Between Sample Labels and COC Record?
Y N

Relinquished by: Signature: Tanner Holliday	Date: 4/9/2020	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Denise Bruun	Date: 4/10/20
Print Name:	Time:	Print Name: Denise Bruun	Time: 12:10

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 2004292

pH Lot #: 6679

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010	-011	-012	-013	-014	-015	-016	-017	
Ammonia	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
NO_2/NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		
Cr VI+	pH >9 $(NH_4)_2SO_4$																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 2nd Quarter Ground Water 2020

Dear Tanner Holliday: Lab Set ID: 2004452

American West Analytical Laboratories received sample(s) on 4/17/2020 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha Digitally signed by Jose G. Rocha Date: 2020.05.07 11:26:23 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004452
Date Received: 4/17/2020 1120h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004452-001A	MW-01_04152020	4/15/2020	1340h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-001B	MW-01_04152020	4/15/2020	1340h	Aqueous	Anions, E300.0
2004452-001B	MW-01_04152020	4/15/2020	1340h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-001C	MW-01_04152020	4/15/2020	1340h	Aqueous	Total Dissolved Solids, A2540C
2004452-001D	MW-01_04152020	4/15/2020	1340h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-001D	MW-01_04152020	4/15/2020	1340h	Aqueous	Ammonia, Aqueous
2004452-001E	MW-01_04152020	4/15/2020	1340h	Aqueous	Ion Balance
2004452-001E	MW-01_04152020	4/15/2020	1340h	Aqueous	ICP Metals, Dissolved
2004452-001E	MW-01_04152020	4/15/2020	1340h	Aqueous	ICPMS Metals, Dissolved
2004452-001E	MW-01_04152020	4/15/2020	1340h	Aqueous	Mercury, Drinking Water Dissolved
2004452-002A	MW-03A_04132020	4/13/2020	700h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-002B	MW-03A_04132020	4/13/2020	700h	Aqueous	Anions, E300.0
2004452-002B	MW-03A_04132020	4/13/2020	700h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-002C	MW-03A_04132020	4/13/2020	700h	Aqueous	Total Dissolved Solids, A2540C
2004452-002D	MW-03A_04132020	4/13/2020	700h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-002D	MW-03A_04132020	4/13/2020	700h	Aqueous	Ammonia, Aqueous
2004452-002E	MW-03A_04132020	4/13/2020	700h	Aqueous	Ion Balance
2004452-002E	MW-03A_04132020	4/13/2020	700h	Aqueous	ICP Metals, Dissolved
2004452-002E	MW-03A_04132020	4/13/2020	700h	Aqueous	ICPMS Metals, Dissolved
2004452-002E	MW-03A_04132020	4/13/2020	700h	Aqueous	Mercury, Drinking Water Dissolved
2004452-003A	MW-17_04132020	4/13/2020	1120h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-003B	MW-17_04132020	4/13/2020	1120h	Aqueous	Anions, E300.0
2004452-003B	MW-17_04132020	4/13/2020	1120h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-003C	MW-17_04132020	4/13/2020	1120h	Aqueous	Total Dissolved Solids, A2540C
2004452-003D	MW-17_04132020	4/13/2020	1120h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-003D	MW-17_04132020	4/13/2020	1120h	Aqueous	Ammonia, Aqueous
2004452-003E	MW-17_04132020	4/13/2020	1120h	Aqueous	Ion Balance
2004452-003E	MW-17_04132020	4/13/2020	1120h	Aqueous	Mercury, Drinking Water Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004452
Date Received: 4/17/2020 1120h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004452-003E	MW-17_04132020	4/13/2020	1120h	Aqueous	ICPMS Metals, Dissolved
2004452-003E	MW-17_04132020	4/13/2020	1120h	Aqueous	ICP Metals, Dissolved
2004452-004A	MW-18_04142020	4/14/2020	1240h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-004B	MW-18_04142020	4/14/2020	1240h	Aqueous	Anions, E300.0
2004452-004B	MW-18_04142020	4/14/2020	1240h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-004C	MW-18_04142020	4/14/2020	1240h	Aqueous	Total Dissolved Solids, A2540C
2004452-004D	MW-18_04142020	4/14/2020	1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-004D	MW-18_04142020	4/14/2020	1240h	Aqueous	Ammonia, Aqueous
2004452-004E	MW-18_04142020	4/14/2020	1240h	Aqueous	Ion Balance
2004452-004E	MW-18_04142020	4/14/2020	1240h	Aqueous	ICP Metals, Dissolved
2004452-004E	MW-18_04142020	4/14/2020	1240h	Aqueous	ICPMS Metals, Dissolved
2004452-004E	MW-18_04142020	4/14/2020	1240h	Aqueous	Mercury, Drinking Water Dissolved
2004452-005A	MW-19_04132020	4/13/2020	1430h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-005B	MW-19_04132020	4/13/2020	1430h	Aqueous	Anions, E300.0
2004452-005B	MW-19_04132020	4/13/2020	1430h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-005C	MW-19_04132020	4/13/2020	1430h	Aqueous	Total Dissolved Solids, A2540C
2004452-005D	MW-19_04132020	4/13/2020	1430h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-005D	MW-19_04132020	4/13/2020	1430h	Aqueous	Ammonia, Aqueous
2004452-005E	MW-19_04132020	4/13/2020	1430h	Aqueous	Ion Balance
2004452-005E	MW-19_04132020	4/13/2020	1430h	Aqueous	ICP Metals, Dissolved
2004452-005E	MW-19_04132020	4/13/2020	1430h	Aqueous	ICPMS Metals, Dissolved
2004452-005E	MW-19_04132020	4/13/2020	1430h	Aqueous	Mercury, Drinking Water Dissolved
2004452-006A	MW-22_04152020	4/15/2020	1120h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-006B	MW-22_04152020	4/15/2020	1120h	Aqueous	Anions, E300.0
2004452-006B	MW-22_04152020	4/15/2020	1120h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-006C	MW-22_04152020	4/15/2020	1120h	Aqueous	Total Dissolved Solids, A2540C
2004452-006D	MW-22_04152020	4/15/2020	1120h	Aqueous	Ammonia, Aqueous
2004452-006D	MW-22_04152020	4/15/2020	1120h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-006E	MW-22_04152020	4/15/2020	1120h	Aqueous	Ion Balance
2004452-006E	MW-22_04152020	4/15/2020	1120h	Aqueous	ICP Metals, Dissolved
2004452-006E	MW-22_04152020	4/15/2020	1120h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004452
Date Received: 4/17/2020 1120h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004452-006E	MW-22_04152020	4/15/2020	1120h	Aqueous	Mercury, Drinking Water Dissolved
2004452-007A	MW-28_04152020	4/15/2020	1025h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-007B	MW-28_04152020	4/15/2020	1025h	Aqueous	Anions, E300.0
2004452-007B	MW-28_04152020	4/15/2020	1025h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-007C	MW-28_04152020	4/15/2020	1025h	Aqueous	Total Dissolved Solids, A2540C
2004452-007D	MW-28_04152020	4/15/2020	1025h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-007D	MW-28_04152020	4/15/2020	1025h	Aqueous	Ammonia, Aqueous
2004452-007E	MW-28_04152020	4/15/2020	1025h	Aqueous	ICPMS Metals, Dissolved
2004452-007E	MW-28_04152020	4/15/2020	1025h	Aqueous	Mercury, Drinking Water Dissolved
2004452-007E	MW-28_04152020	4/15/2020	1025h	Aqueous	ICP Metals, Dissolved
2004452-007E	MW-28_04152020	4/15/2020	1025h	Aqueous	Ion Balance
2004452-008A	MW-39_04152020	4/15/2020	1530h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-008B	MW-39_04152020	4/15/2020	1530h	Aqueous	Anions, E300.0
2004452-008B	MW-39_04152020	4/15/2020	1530h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-008C	MW-39_04152020	4/15/2020	1530h	Aqueous	Total Dissolved Solids, A2540C
2004452-008D	MW-39_04152020	4/15/2020	1530h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-008D	MW-39_04152020	4/15/2020	1530h	Aqueous	Ammonia, Aqueous
2004452-008E	MW-39_04152020	4/15/2020	1530h	Aqueous	Ion Balance
2004452-008E	MW-39_04152020	4/15/2020	1530h	Aqueous	ICP Metals, Dissolved
2004452-008E	MW-39_04152020	4/15/2020	1530h	Aqueous	ICPMS Metals, Dissolved
2004452-008E	MW-39_04152020	4/15/2020	1530h	Aqueous	Mercury, Drinking Water Dissolved
2004452-009A	MW-40_04142020	4/14/2020	1055h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-009B	MW-40_04142020	4/14/2020	1055h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-009B	MW-40_04142020	4/14/2020	1055h	Aqueous	Anions, E300.0
2004452-009C	MW-40_04142020	4/14/2020	1055h	Aqueous	Total Dissolved Solids, A2540C
2004452-009D	MW-40_04142020	4/14/2020	1055h	Aqueous	Ammonia, Aqueous
2004452-009D	MW-40_04142020	4/14/2020	1055h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-009E	MW-40_04142020	4/14/2020	1055h	Aqueous	Ion Balance
2004452-009E	MW-40_04142020	4/14/2020	1055h	Aqueous	ICP Metals, Dissolved
2004452-009E	MW-40_04142020	4/14/2020	1055h	Aqueous	ICPMS Metals, Dissolved

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Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004452
Date Received: 4/17/2020 1120h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004452-009E	MW-40_04142020	4/14/2020	1055h	Aqueous	Mercury, Drinking Water Dissolved
2004452-010A	MW-24A_04142020	4/14/2020	1410h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-010B	MW-24A_04142020	4/14/2020	1410h	Aqueous	Anions, E300.0
2004452-010B	MW-24A_04142020	4/14/2020	1410h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-010C	MW-24A_04142020	4/14/2020	1410h	Aqueous	Total Dissolved Solids, A2540C
2004452-010D	MW-24A_04142020	4/14/2020	1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-010D	MW-24A_04142020	4/14/2020	1410h	Aqueous	Ammonia, Aqueous
2004452-010E	MW-24A_04142020	4/14/2020	1410h	Aqueous	Ion Balance
2004452-010E	MW-24A_04142020	4/14/2020	1410h	Aqueous	Mercury, Drinking Water Dissolved
2004452-010E	MW-24A_04142020	4/14/2020	1410h	Aqueous	ICP Metals, Dissolved
2004452-010E	MW-24A_04142020	4/14/2020	1410h	Aqueous	ICPMS Metals, Dissolved
2004452-011A	MW-70_04152020	4/15/2020	1530h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004452-011B	MW-70_04152020	4/15/2020	1530h	Aqueous	Anions, E300.0
2004452-011B	MW-70_04152020	4/15/2020	1530h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004452-011C	MW-70_04152020	4/15/2020	1530h	Aqueous	Total Dissolved Solids, A2540C
2004452-011D	MW-70_04152020	4/15/2020	1530h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004452-011D	MW-70_04152020	4/15/2020	1530h	Aqueous	Ammonia, Aqueous
2004452-011E	MW-70_04152020	4/15/2020	1530h	Aqueous	Ion Balance
2004452-011E	MW-70_04152020	4/15/2020	1530h	Aqueous	ICP Metals, Dissolved
2004452-011E	MW-70_04152020	4/15/2020	1530h	Aqueous	ICPMS Metals, Dissolved
2004452-011E	MW-70_04152020	4/15/2020	1530h	Aqueous	Mercury, Drinking Water Dissolved
2004452-012A	Trip Blank	4/13/2020	700h	Aqueous	VOA by GC/MS Method 8260D/5030C

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Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004452

Sample Receipt Information:

Date of Receipt: 4/17/2020
Date(s) of Collection: 4/13-4/15/2020
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
2004452-001E	Calcium	MS/MSD	High analyte concentration
2004452-001E	Magnesium	MS/MSD	High analyte concentration
2004452-001E	Sodium	MS/MSD	High analyte concentration
2004452-007E	Calcium	MS/MSD	High analyte concentration
2004452-007E	Manganese	MS	High analyte concentration
2004452-007E	Sodium	MS/MSD	High analyte concentration

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exceptions: the RPD for Total Dissolved Solids on samples 2004452-002C was outside of the control limits due to suspected sample non-homogeneity or sample matrix interference.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	2nd Quarter Ground Water 2020
Lab Set ID:	2004452

Sample Receipt Information:

Date of Receipt:	4/17/2020
Date(s) of Collection:	4/13-4/15/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260D/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: One or more target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met, with CCV exceptions noted on the reports. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-69352	Date Analyzed:	05/01/2020 1146h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Calcium	10.2	mg/L	E200.7	0.211	1.00	10.00	0	102	85 - 115				
Magnesium	10.5	mg/L	E200.7	0.0654	1.00	10.00	0	105	85 - 115				
Potassium	10.7	mg/L	E200.7	0.246	1.00	10.00	0	107	85 - 115				
Sodium	10.7	mg/L	E200.7	0.123	1.00	10.00	0	107	85 - 115				
Vanadium	0.210	mg/L	E200.7	0.00252	0.00500	0.2000	0	105	85 - 115				
Lab Sample ID: LCS-69353	Date Analyzed:	04/21/2020 1839h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	0.196	mg/L	E200.8	0.000298	0.00200	0.2000	0	98.0	85 - 115				
Cadmium	0.204	mg/L	E200.8	0.0000742	0.000500	0.2000	0	102	85 - 115				
Chromium	0.207	mg/L	E200.8	0.00191	0.00200	0.2000	0	103	85 - 115				
Copper	0.214	mg/L	E200.8	0.00166	0.00200	0.2000	0	107	85 - 115				
Iron	1.02	mg/L	E200.8	0.0328	0.100	1.000	0	102	85 - 115				
Lead	0.211	mg/L	E200.8	0.000448	0.00200	0.2000	0	106	85 - 115				
Selenium	0.198	mg/L	E200.8	0.000508	0.00200	0.2000	0	98.8	85 - 115				
Silver	0.207	mg/L	E200.8	0.000232	0.00200	0.2000	0	104	85 - 115				
Zinc	1.06	mg/L	E200.8	0.00418	0.00600	1.000	0	106	85 - 115				
Lab Sample ID: LCS-69353	Date Analyzed:	04/28/2020 1718h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Beryllium	0.202	mg/L	E200.8	0.000198	0.00200	0.2000	0	101	85 - 115				
Cobalt	0.203	mg/L	E200.8	0.000300	0.00400	0.2000	0	101	85 - 115				
Manganese	0.200	mg/L	E200.8	0.000766	0.00200	0.2000	0	100	85 - 115				
Molybdenum	0.207	mg/L	E200.8	0.000652	0.00200	0.2000	0	104	85 - 115				
Nickel	0.204	mg/L	E200.8	0.000728	0.00200	0.2000	0	102	85 - 115				
Thallium	0.197	mg/L	E200.8	0.000390	0.00200	0.2000	0	98.3	85 - 115				
Tin	1.03	mg/L	E200.8	0.00115	0.00400	1.000	0	103	85 - 115				
Uranium	0.206	mg/L	E200.8	0.000176	0.00200	0.2000	0	103	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-69384	Date Analyzed:	04/22/2020 1111h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	04/21/2020 1041h											
Mercury	0.00344	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	103	85 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-69352	Date Analyzed:	05/01/2020 1144h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Calcium	< 1.00	mg/L	E200.7	0.211	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0654	1.00								
Potassium	< 1.00	mg/L	E200.7	0.246	1.00								
Sodium	< 1.00	mg/L	E200.7	0.123	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.00252	0.00500								
Lab Sample ID: MB-69353	Date Analyzed:	04/21/2020 1835h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	< 0.00200	mg/L	E200.8	0.000298	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.0000742	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.00191	0.00200								
Copper	< 0.00200	mg/L	E200.8	0.00166	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000508	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.000232	0.00200								
Zinc	< 0.00600	mg/L	E200.8	0.00418	0.00600								
Lab Sample ID: MB-69353	Date Analyzed:	04/21/2020 1926h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Iron	< 0.0250	mg/L	E200.8	0.00820	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.000112	0.000500								
Lab Sample ID: MB-FILTER-69313	Date Analyzed:	04/22/2020 1306h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Copper	< 0.00200	mg/L	E200.8	0.00166	0.00200								
Zinc	< 0.00600	mg/L	E200.8	0.00418	0.00600								
Lab Sample ID: MB-FILTER-69313	Date Analyzed:	04/21/2020 1922h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	< 0.00200	mg/L	E200.8	0.000298	0.00200								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-FILTER-69313**	Date Analyzed:	04/21/2020 1922h											
Test Code:	200.8-DIS	Date Prepared:	04/20/2020 904h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000742	0.000500								
Chromium		< 0.00200	mg/L	E200.8	0.00191	0.00200								
Iron		< 0.100	mg/L	E200.8	0.0328	0.100								
Lead		< 0.00200	mg/L	E200.8	0.000448	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.000508	0.00200								
Silver		< 0.00200	mg/L	E200.8	0.000232	0.00200								
Lab Sample ID:	**MB-69353**	Date Analyzed:	04/28/2020 1715h											
Test Code:	200.8-DIS	Date Prepared:	04/20/2020 904h											
Beryllium		< 0.000200	mg/L	E200.8	0.0000198	0.000200								
Cobalt		< 0.000400	mg/L	E200.8	0.0000300	0.000400								
Manganese		< 0.000200	mg/L	E200.8	0.0000766	0.000200								
Molybdenum		< 0.000200	mg/L	E200.8	0.0000652	0.000200								
Nickel		< 0.000200	mg/L	E200.8	0.0000728	0.000200								
Thallium		< 0.000200	mg/L	E200.8	0.0000390	0.000200								
Tin		< 0.000400	mg/L	E200.8	0.000115	0.000400								
Uranium		< 0.000200	mg/L	E200.8	0.0000176	0.000200								
Lab Sample ID:	**MB-69384**	Date Analyzed:	04/22/2020 1109h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/21/2020 1041h											
Mercury		< 0.0000900	mg/L	E245.1	0.0000396	0.0000900								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-001EMS	Date Analyzed:	05/01/2020 1258h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Calcium	190	mg/L	E200.7	4.22	20.0	10.00	189	10.6	70 - 130				2
Magnesium	76.3	mg/L	E200.7	1.31	20.0	10.00	69.6	67.5	70 - 130				2
Sodium	193	mg/L	E200.7	2.46	20.0	10.00	191	15.2	70 - 130				2
Lab Sample ID: 2004452-007EMS	Date Analyzed:	05/01/2020 1319h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Calcium	554	mg/L	E200.7	4.22	20.0	10.00	538	153	70 - 130				2
Magnesium	201	mg/L	E200.7	1.31	20.0	10.00	190	110	70 - 130				
Sodium	358	mg/L	E200.7	2.46	20.0	10.00	344	141	70 - 130				2
Lab Sample ID: 2004452-001EMS	Date Analyzed:	05/01/2020 1729h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Potassium	17.6	mg/L	E200.7	0.246	1.00	10.00	6.99	106	70 - 130				
Vanadium	0.209	mg/L	E200.7	0.00252	0.00500	0.2000	0	104	70 - 130				
Lab Sample ID: 2004452-007EMS	Date Analyzed:	05/01/2020 1801h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Potassium	23.8	mg/L	E200.7	0.246	1.00	10.00	12.9	110	70 - 130				
Vanadium	0.211	mg/L	E200.7	0.00252	0.00500	0.2000	0	105	70 - 130				
Lab Sample ID: 2004452-001EMS	Date Analyzed:	04/28/2020 1733h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	0.217	mg/L	E200.8	0.000298	0.00200	0.2000	0	108	75 - 125				
Beryllium	0.196	mg/L	E200.8	0.000198	0.00200	0.2000	0	97.9	75 - 125				
Cadmium	0.195	mg/L	E200.8	0.0000742	0.000500	0.2000	0	97.7	75 - 125				
Chromium	0.191	mg/L	E200.8	0.00191	0.00200	0.2000	0	95.4	75 - 125				
Cobalt	0.199	mg/L	E200.8	0.000300	0.00400	0.2000	0.000343	99.4	75 - 125				
Copper	0.197	mg/L	E200.8	0.00166	0.00200	0.2000	0	98.4	75 - 125				
Iron	1.31	mg/L	E200.8	0.0328	0.100	1.000	0.315	99.6	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-001EMS	Date Analyzed:	04/28/2020 1733h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Lead	0.195	mg/L	E200.8	0.000448	0.00200	0.2000	0	97.6	75 - 125				
Manganese	0.409	mg/L	E200.8	0.000766	0.00200	0.2000	0.213	98.1	75 - 125				
Molybdenum	0.212	mg/L	E200.8	0.000652	0.00200	0.2000	0.0014	105	75 - 125				
Nickel	0.198	mg/L	E200.8	0.000728	0.00200	0.2000	0	98.9	75 - 125				
Selenium	0.199	mg/L	E200.8	0.000508	0.00200	0.2000	0	99.4	75 - 125				
Silver	0.197	mg/L	E200.8	0.000232	0.00200	0.2000	0	98.5	75 - 125				
Thallium	0.193	mg/L	E200.8	0.000390	0.00200	0.2000	0	96.4	75 - 125				
Tin	1.05	mg/L	E200.8	0.00115	0.00400	1.000	0.00118	105	75 - 125				
Uranium	0.206	mg/L	E200.8	0.000176	0.00200	0.2000	0.000193	103	75 - 125				
Zinc	1.00	mg/L	E200.8	0.00418	0.00600	1.000	0	100	75 - 125				
Lab Sample ID: 2004452-007EMS	Date Analyzed:	04/28/2020 1806h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	0.218	mg/L	E200.8	0.000298	0.00200	0.2000	0.0104	104	75 - 125				
Beryllium	0.188	mg/L	E200.8	0.000198	0.00200	0.2000	0.000315	93.8	75 - 125				
Cadmium	0.198	mg/L	E200.8	0.0000742	0.000500	0.2000	0.00492	96.6	75 - 125				
Chromium	0.179	mg/L	E200.8	0.00191	0.00200	0.2000	0	89.6	75 - 125				
Cobalt	0.215	mg/L	E200.8	0.000300	0.00400	0.2000	0.0334	91.0	75 - 125				
Copper	0.186	mg/L	E200.8	0.00166	0.00200	0.2000	0.00445	90.8	75 - 125				
Iron	0.926	mg/L	E200.8	0.0328	0.100	1.000	0	92.6	75 - 125				
Lead	0.185	mg/L	E200.8	0.000448	0.00200	0.2000	0.000608	92.0	75 - 125				
Manganese	1.52	mg/L	E200.8	0.000766	0.00200	0.2000	1.41	56.2	75 - 125				2
Molybdenum	0.214	mg/L	E200.8	0.000652	0.00200	0.2000	0.00138	106	75 - 125				
Nickel	0.206	mg/L	E200.8	0.000728	0.00200	0.2000	0.0233	91.4	75 - 125				
Selenium	0.207	mg/L	E200.8	0.000508	0.00200	0.2000	0.0102	98.3	75 - 125				
Silver	0.188	mg/L	E200.8	0.000232	0.00200	0.2000	0	94.0	75 - 125				
Thallium	0.182	mg/L	E200.8	0.000390	0.00200	0.2000	0.000845	90.7	75 - 125				
Tin	1.06	mg/L	E200.8	0.00115	0.00400	1.000	0	106	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004452-007EMS**	Date Analyzed:	04/28/2020 1806h											
Test Code:	200.8-DIS	Date Prepared:	04/20/2020 904h											
Uranium		0.202	mg/L	E200.8	0.000176	0.00200	0.2000	0.00591	97.8	75 - 125				
Zinc		1.00	mg/L	E200.8	0.00418	0.00600	1.000	0.0603	94.1	75 - 125				
Lab Sample ID:	**2004452-002EMS**	Date Analyzed:	04/22/2020 1215h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/21/2020 1041h											
Mercury		0.00338	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	102	85 - 115				

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-001EMSD	Date Analyzed:	05/01/2020 1300h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Calcium	187	mg/L	E200.7	4.22	20.0	10.00	189	-24.2	70 - 130	190	1.85	20	2
Magnesium	73.7	mg/L	E200.7	1.31	20.0	10.00	69.6	41.3	70 - 130	76.3	3.49	20	2
Sodium	188	mg/L	E200.7	2.46	20.0	10.00	191	-29.4	70 - 130	193	2.34	20	2
Lab Sample ID: 2004452-007EMSD	Date Analyzed:	05/01/2020 1329h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Calcium	555	mg/L	E200.7	4.22	20.0	10.00	538	163	70 - 130	554	0.186	20	2
Magnesium	200	mg/L	E200.7	1.31	20.0	10.00	190	105	70 - 130	201	0.224	20	
Sodium	361	mg/L	E200.7	2.46	20.0	10.00	344	175	70 - 130	358	0.957	20	2
Lab Sample ID: 2004452-001EMSD	Date Analyzed:	05/01/2020 1732h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Potassium	17.8	mg/L	E200.7	0.246	1.00	10.00	6.99	109	70 - 130	17.6	1.44	20	
Vanadium	0.214	mg/L	E200.7	0.00252	0.00500	0.2000	0	107	70 - 130	0.209	2.28	20	
Lab Sample ID: 2004452-007EMSD	Date Analyzed:	05/01/2020 1803h											
Test Code: 200.7-DIS	Date Prepared:	04/20/2020 904h											
Potassium	23.6	mg/L	E200.7	0.246	1.00	10.00	12.9	107	70 - 130	23.8	1.03	20	
Vanadium	0.216	mg/L	E200.7	0.00252	0.00500	0.2000	0	108	70 - 130	0.211	2.51	20	
Lab Sample ID: 2004452-001EMSD	Date Analyzed:	04/28/2020 1736h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	0.208	mg/L	E200.8	0.000298	0.00200	0.2000	0	104	75 - 125	0.217	3.92	20	
Beryllium	0.190	mg/L	E200.8	0.000198	0.00200	0.2000	0	95.1	75 - 125	0.196	2.87	20	
Cadmium	0.191	mg/L	E200.8	0.0000742	0.000500	0.2000	0	95.6	75 - 125	0.195	2.24	20	
Chromium	0.183	mg/L	E200.8	0.00191	0.00200	0.2000	0	91.5	75 - 125	0.191	4.14	20	
Cobalt	0.189	mg/L	E200.8	0.000300	0.00400	0.2000	0.000343	94.2	75 - 125	0.199	5.41	20	
Copper	0.185	mg/L	E200.8	0.00166	0.00200	0.2000	0	92.7	75 - 125	0.197	5.97	20	
Iron	1.26	mg/L	E200.8	0.0328	0.100	1.000	0.315	94.1	75 - 125	1.31	4.22	20	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-001EMSD	Date Analyzed:	04/28/2020 1736h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Lead	0.188	mg/L	E200.8	0.000448	0.00200	0.2000	0	94.1	75 - 125	0.195	3.66	20	
Manganese	0.387	mg/L	E200.8	0.000766	0.00200	0.2000	0.213	87.2	75 - 125	0.409	5.46	20	
Molybdenum	0.209	mg/L	E200.8	0.000652	0.00200	0.2000	0.0014	104	75 - 125	0.212	1.78	20	
Nickel	0.189	mg/L	E200.8	0.000728	0.00200	0.2000	0	94.7	75 - 125	0.198	4.37	20	
Selenium	0.191	mg/L	E200.8	0.000508	0.00200	0.2000	0	95.6	75 - 125	0.199	3.96	20	
Silver	0.192	mg/L	E200.8	0.000232	0.00200	0.2000	0	96.1	75 - 125	0.197	2.50	20	
Thallium	0.185	mg/L	E200.8	0.000390	0.00200	0.2000	0	92.3	75 - 125	0.193	4.32	20	
Tin	1.04	mg/L	E200.8	0.00115	0.00400	1.000	0.00118	104	75 - 125	1.05	1.18	20	
Uranium	0.198	mg/L	E200.8	0.000176	0.00200	0.2000	0.000193	99.0	75 - 125	0.206	3.74	20	
Zinc	0.958	mg/L	E200.8	0.00418	0.00600	1.000	0	95.8	75 - 125	1	4.73	20	
Lab Sample ID: 2004452-007EMSD	Date Analyzed:	04/28/2020 1809h											
Test Code: 200.8-DIS	Date Prepared:	04/20/2020 904h											
Arsenic	0.228	mg/L	E200.8	0.000298	0.00200	0.2000	0.0104	109	75 - 125	0.218	4.39	20	
Beryllium	0.190	mg/L	E200.8	0.000198	0.00200	0.2000	0.000315	95.0	75 - 125	0.188	1.22	20	
Cadmium	0.199	mg/L	E200.8	0.0000742	0.000500	0.2000	0.00492	96.9	75 - 125	0.198	0.239	20	
Chromium	0.191	mg/L	E200.8	0.00191	0.00200	0.2000	0	95.3	75 - 125	0.179	6.22	20	
Cobalt	0.228	mg/L	E200.8	0.000300	0.00400	0.2000	0.0334	97.5	75 - 125	0.215	5.86	20	
Copper	0.198	mg/L	E200.8	0.00166	0.00200	0.2000	0.00445	96.9	75 - 125	0.186	6.38	20	
Iron	0.981	mg/L	E200.8	0.0328	0.100	1.000	0	98.1	75 - 125	0.926	5.77	20	
Lead	0.189	mg/L	E200.8	0.000448	0.00200	0.2000	0.000608	94.3	75 - 125	0.185	2.45	20	
Manganese	1.61	mg/L	E200.8	0.000766	0.00200	0.2000	1.41	99.8	75 - 125	1.52	5.58	20	
Molybdenum	0.222	mg/L	E200.8	0.000652	0.00200	0.2000	0.00138	110	75 - 125	0.214	3.85	20	
Nickel	0.220	mg/L	E200.8	0.000728	0.00200	0.2000	0.0233	98.2	75 - 125	0.206	6.37	20	
Selenium	0.208	mg/L	E200.8	0.000508	0.00200	0.2000	0.0102	99.1	75 - 125	0.207	0.831	20	
Silver	0.187	mg/L	E200.8	0.000232	0.00200	0.2000	0	93.4	75 - 125	0.188	0.600	20	
Thallium	0.186	mg/L	E200.8	0.000390	0.00200	0.2000	0.000845	92.4	75 - 125	0.182	1.79	20	
Tin	1.08	mg/L	E200.8	0.00115	0.00400	1.000	0	108	75 - 125	1.06	2.19	20	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004452-007EMSD**	Date Analyzed:	04/28/2020 1809h											
Test Code:	200.8-DIS	Date Prepared:	04/20/2020 904h											
Uranium		0.205	mg/L	E200.8	0.000176	0.00200	0.2000	0.00591	99.7	75 - 125	0.202	1.83	20	
Zinc		1.06	mg/L	E200.8	0.00418	0.00600	1.000	0.0603	99.6	75 - 125	1	5.36	20	
Lab Sample ID:	**2004452-002EMSD**	Date Analyzed:	04/22/2020 1124h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/21/2020 1041h											
Mercury		0.00343	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	103	85 - 115	0.00338	1.37	20	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-002CDUP Date Analyzed: 04/17/2020 1135h Test Code: TDS-W-2540C													
Total Dissolved Solids	6,020	mg/L	SM2540C	16.0	20.0					5300	12.7	5	@
Lab Sample ID: 2004452-001CDUP Date Analyzed: 04/20/2020 1330h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,250	mg/L	SM2540C	16.0	20.0					1250	0.320	5	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R138245 Date Analyzed: 04/27/2020 1903h													
Test Code: 300.0-W													
Chloride	4.99	mg/L	E300.0	0.0565	0.100	5.000	0	99.8	90 - 110				
Sulfate	5.26	mg/L	E300.0	0.136	0.750	5.000	0	105	90 - 110				
Lab Sample ID: LCS-R138249 Date Analyzed: 04/28/2020 1745h													
Test Code: 300.0-W													
Chloride	4.99	mg/L	E300.0	0.0565	0.100	5.000	0	99.8	90 - 110				
Fluoride	5.01	mg/L	E300.0	0.0240	0.100	5.000	0	100	90 - 110				
Sulfate	5.19	mg/L	E300.0	0.136	0.750	5.000	0	104	90 - 110				
Lab Sample ID: LCS-R138521 Date Analyzed: 05/05/2020 1629h													
Test Code: 300.0-W													
Fluoride	5.18	mg/L	E300.0	0.0240	0.100	5.000	0	104	90 - 110				
Lab Sample ID: LCS-R137871 Date Analyzed: 04/20/2020 754h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	250	mg/L	SM2320B	0.369	1.00	250.0	0	99.8	90 - 110				
Lab Sample ID: LCS-69431 Date Analyzed: 04/23/2020 1500h													
Test Code: NH3-W-350.1 Date Prepared: 04/23/2020 1126h													
Ammonia (as N)	2.00	mg/L	E350.1	0.0473	0.0500	2.000	0	100	90 - 110				
Lab Sample ID: LCS-R137927 Date Analyzed: 04/21/2020 841h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.964	mg/L	E353.2	0.00494	0.0100	1.000	0	96.4	90 - 110				
Lab Sample ID: LCS-R137906 Date Analyzed: 04/17/2020 1135h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	196	mg/L	SM2540C	8.00	10.0	205.0	0	95.6	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R137942 Date Analyzed: 04/20/2020 1330h Test Code: TDS-W-2540C													
Total Dissolved Solids	182	mg/L	SM2540C	8.00	10.0	205.0	0	88.8	80 - 120				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R138245	Date Analyzed:	04/27/2020 1846h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R138249	Date Analyzed:	04/28/2020 1728h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R138521	Date Analyzed:	05/05/2020 1613h											
Test Code: 300.0-W													
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Lab Sample ID: MB-R137871	Date Analyzed:	04/20/2020 754h											
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.369	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.369	1.00								
Lab Sample ID: MB-69431	Date Analyzed:	04/23/2020 1459h											
Test Code: NH3-W-350.1	Date Prepared:	04/23/2020 1126h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0473	0.0500								
Lab Sample ID: MB-R137927	Date Analyzed:	04/21/2020 839h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								
Lab Sample ID: MB-R137906	Date Analyzed:	04/17/2020 1135h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R137942 Date Analyzed: 04/20/2020 1330h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-001BMS Date Analyzed: 04/28/2020 111h													
Test Code: 300.0-W													
Chloride	512	mg/L	E300.0	5.65	10.0	500.0	18.4	98.6	90 - 110				
Sulfate	1,250	mg/L	E300.0	13.6	75.0	500.0	737	102	90 - 110				
Lab Sample ID: 2004452-006BMS Date Analyzed: 04/28/2020 1852h													
Test Code: 300.0-W													
Chloride	5,040	mg/L	E300.0	56.5	100	5,000	58.3	99.7	90 - 110				
Fluoride	5,090	mg/L	E300.0	24.0	100	5,000	0	102	90 - 110				
Sulfate	11,600	mg/L	E300.0	136	750	5,000	6430	104	90 - 110				
Lab Sample ID: 2004452-001BMS Date Analyzed: 04/20/2020 754h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	1,250	mg/L	SM2320B	0.369	1.00	1,000	258	99.6	80 - 120				
Lab Sample ID: 2004452-011BMS Date Analyzed: 04/20/2020 754h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	4.80	mg/L	SM2320B	0.369	1.00	5.000	0	96.0	80 - 120				
Lab Sample ID: 2004452-001DMS Date Analyzed: 04/23/2020 1506h													
Test Code: NH3-W-350.1 Date Prepared: 04/23/2020 1126h													
Ammonia (as N)	2.05	mg/L	E350.1	0.0473	0.0500	2.000	0.086	98.1	90 - 110				
Lab Sample ID: 2004452-011DMS Date Analyzed: 04/23/2020 1519h													
Test Code: NH3-W-350.1 Date Prepared: 04/23/2020 1126h													
Ammonia (as N)	2.26	mg/L	E350.1	0.0473	0.0500	2.000	0.267	99.7	90 - 110				
Lab Sample ID: 2004452-001DMS Date Analyzed: 04/21/2020 848h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00494	0.0100	1.000	0.00495	101	90 - 110				

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Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-004DMS Date Analyzed: 04/21/2020 854h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00494	0.0100	1.000	0	103	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-001BMSD Date Analyzed: 04/28/2020 128h													
Test Code: 300.0-W													
Chloride	511	mg/L	E300.0	5.65	10.0	500.0	18.4	98.5	90 - 110	512	0.117	20	
Sulfate	1,250	mg/L	E300.0	13.6	75.0	500.0	737	103	90 - 110	1250	0.359	20	
Lab Sample ID: 2004452-006BMSD Date Analyzed: 04/28/2020 1908h													
Test Code: 300.0-W													
Chloride	5,050	mg/L	E300.0	56.5	100	5,000	58.3	99.8	90 - 110	5040	0.107	20	
Fluoride	5,090	mg/L	E300.0	24.0	100	5,000	0	102	90 - 110	5090	0.0784	20	
Sulfate	11,500	mg/L	E300.0	136	750	5,000	6430	102	90 - 110	11600	0.851	20	
Lab Sample ID: 2004452-001BMSD Date Analyzed: 04/20/2020 754h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	1,260	mg/L	SM2320B	0.369	1.00	1,000	258	100	80 - 120	1250	0.477	10	
Lab Sample ID: 2004452-011BMSD Date Analyzed: 04/20/2020 754h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	4.90	mg/L	SM2320B	0.369	1.00	5.000	0	98.0	80 - 120	4.8	2.06	10	
Lab Sample ID: 2004452-001DMSD Date Analyzed: 04/23/2020 1508h													
Test Code: NH3-W-350.1 Date Prepared: 04/23/2020 1126h													
Ammonia (as N)	2.06	mg/L	E350.1	0.0473	0.0500	2.000	0.086	98.7	90 - 110	2.05	0.536	10	
Lab Sample ID: 2004452-011DMSD Date Analyzed: 04/23/2020 1520h													
Test Code: NH3-W-350.1 Date Prepared: 04/23/2020 1126h													
Ammonia (as N)	2.28	mg/L	E350.1	0.0473	0.0500	2.000	0.267	100	90 - 110	2.26	0.617	10	
Lab Sample ID: 2004452-001DMSD Date Analyzed: 04/21/2020 849h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00494	0.0100	1.000	0.00495	102	90 - 110	1.01	1.47	10	

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-004DMSD Date Analyzed: 04/21/2020 855h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00494	0.0100	1.000	0	105	90 - 110	1.03	1.63	10	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-2 041720A Date Analyzed: 04/17/2020 739h													
Test Code: 8260D-W-DEN100													
2-Butanone	30.4	µg/L	SW8260D	1.22	20.0	20.00	0	152	74 - 236				
Acetone	40.7	µg/L	SW8260D	2.76	20.0	20.00	0	204	70 - 350				
Benzene	21.3	µg/L	SW8260D	0.147	1.00	20.00	0	106	80 - 127				
Carbon tetrachloride	18.6	µg/L	SW8260D	0.859	1.00	20.00	0	93.0	66 - 143				
Chloroform	20.1	µg/L	SW8260D	0.166	1.00	20.00	0	100	85 - 124				
Chloromethane	22.6	µg/L	SW8260D	0.802	1.00	20.00	0	113	30 - 149				
Methylene chloride	23.3	µg/L	SW8260D	0.381	1.00	20.00	0	117	65 - 154				
Naphthalene	18.8	µg/L	SW8260D	0.704	1.00	20.00	0	93.9	55 - 128				
Tetrahydrofuran	23.6	µg/L	SW8260D	0.436	1.00	20.00	0	118	59 - 135				
Toluene	19.8	µg/L	SW8260D	0.285	1.00	20.00	0	99.0	69 - 129				
Xylenes, Total	58.4	µg/L	SW8260D	0.575	1.00	60.00	0	97.2	66 - 124				
Surr: 1,2-Dichloroethane-d4	50.2	µg/L	SW8260D			50.00		100	80 - 136				
Surr: 4-Bromofluorobenzene	48.2	µg/L	SW8260D			50.00		96.5	85 - 121				
Surr: Dibromofluoromethane	47.1	µg/L	SW8260D			50.00		94.3	78 - 132				
Surr: Toluene-d8	46.5	µg/L	SW8260D			50.00		93.1	81 - 123				
Lab Sample ID: LCS VOC-2 042020A Date Analyzed: 04/20/2020 807h													
Test Code: 8260D-W-DEN100													
2-Butanone	30.2	µg/L	SW8260D	1.22	20.0	20.00	0	151	74 - 236				
Acetone	41.8	µg/L	SW8260D	2.76	20.0	20.00	0	209	70 - 350				
Benzene	22.4	µg/L	SW8260D	0.147	1.00	20.00	0	112	80 - 127				
Carbon tetrachloride	18.8	µg/L	SW8260D	0.859	1.00	20.00	0	94.3	66 - 143				
Chloroform	21.2	µg/L	SW8260D	0.166	1.00	20.00	0	106	83 - 119				
Chloromethane	23.4	µg/L	SW8260D	0.802	1.00	20.00	0	117	30 - 149				
Methylene chloride	23.9	µg/L	SW8260D	0.381	1.00	20.00	0	119	65 - 154				
Naphthalene	18.8	µg/L	SW8260D	0.704	1.00	20.00	0	93.8	55 - 128				
Tetrahydrofuran	24.6	µg/L	SW8260D	0.436	1.00	20.00	0	123	59 - 135				
Toluene	21.1	µg/L	SW8260D	0.285	1.00	20.00	0	106	69 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-2 042020A Date Analyzed: 04/20/2020 807h													
Test Code: 8260D-W-DEN100													
Xylenes, Total	61.8	µg/L	SW8260D	0.575	1.00	60.00	0	103	66 - 124				
Surr: 1,2-Dichloroethane-d4	50.4	µg/L	SW8260D			50.00		101	80 - 136				
Surr: 4-Bromofluorobenzene	48.8	µg/L	SW8260D			50.00		97.5	85 - 121				
Surr: Dibromofluoromethane	47.4	µg/L	SW8260D			50.00		94.9	78 - 132				
Surr: Toluene-d8	47.4	µg/L	SW8260D			50.00		94.9	81 - 123				

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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-2 041720A Date Analyzed: 04/17/2020 759h													
Test Code: 8260D-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260D	1.22	20.0								
Acetone	< 20.0	µg/L	SW8260D	2.76	20.0								
Benzene	< 1.00	µg/L	SW8260D	0.147	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Naphthalene	< 1.00	µg/L	SW8260D	0.704	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260D	0.436	1.00								
Toluene	< 1.00	µg/L	SW8260D	0.285	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260D	0.575	1.00								
Surr: 1,2-Dichloroethane-d4	50.2	µg/L	SW8260D			50.00		100	80 - 136				
Surr: 4-Bromofluorobenzene	50.7	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	45.5	µg/L	SW8260D			50.00		91.1	78 - 132				
Surr: Toluene-d8	48.0	µg/L	SW8260D			50.00		95.9	81 - 123				
Lab Sample ID: MB VOC-2 042020A Date Analyzed: 04/20/2020 827h													
Test Code: 8260D-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260D	1.22	20.0								
Acetone	< 20.0	µg/L	SW8260D	2.76	20.0								
Benzene	< 1.00	µg/L	SW8260D	0.147	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Naphthalene	< 1.00	µg/L	SW8260D	0.704	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260D	0.436	1.00								
Toluene	< 1.00	µg/L	SW8260D	0.285	1.00								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-2 042020A Date Analyzed: 04/20/2020 827h													
Test Code: 8260D-W-DEN100													
Xylenes, Total	< 1.00	µg/L	SW8260D	0.575	1.00								
Surr: 1,2-Dichloroethane-d4	49.9	µg/L	SW8260D			50.00		99.8	80 - 136				
Surr: 4-Bromofluorobenzene	49.9	µg/L	SW8260D			50.00		99.8	85 - 121				
Surr: Dibromofluoromethane	45.2	µg/L	SW8260D			50.00		90.5	78 - 132				
Surr: Toluene-d8	47.9	µg/L	SW8260D			50.00		95.8	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-011AMS Date Analyzed: 04/20/2020 1027h Test Code: 8260D-W-DEN100													
2-Butanone	23.8	µg/L	SW8260D	1.22	20.0	20.00	0	119	74 - 236				
Acetone	25.4	µg/L	SW8260D	2.76	20.0	20.00	0	127	70 - 350				
Benzene	20.4	µg/L	SW8260D	0.147	1.00	20.00	0	102	80 - 127				
Carbon tetrachloride	17.5	µg/L	SW8260D	0.859	1.00	20.00	0	87.3	66 - 143				
Chloroform	19.3	µg/L	SW8260D	0.166	1.00	20.00	0	96.4	83 - 119				
Chloromethane	21.4	µg/L	SW8260D	0.802	1.00	20.00	0	107	30 - 149				
Methylene chloride	21.6	µg/L	SW8260D	0.381	1.00	20.00	0	108	65 - 154				
Naphthalene	17.3	µg/L	SW8260D	0.704	1.00	20.00	0	86.4	55 - 128				
Tetrahydrofuran	22.4	µg/L	SW8260D	0.436	1.00	20.00	0	112	59 - 135				
Toluene	19.3	µg/L	SW8260D	0.285	1.00	20.00	0	96.5	69 - 129				
Xylenes, Total	57.0	µg/L	SW8260D	0.575	1.00	60.00	0	95.0	66 - 124				
Surr: 1,2-Dichloroethane-d4	50.1	µg/L	SW8260D			50.00		100	80 - 136				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260D			50.00		98.7	85 - 121				
Surr: Dibromofluoromethane	47.5	µg/L	SW8260D			50.00		95.1	78 - 132				
Surr: Toluene-d8	47.6	µg/L	SW8260D			50.00		95.2	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004452
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004452-011AMSD Date Analyzed: 04/20/2020 1047h Test Code: 8260D-W-DEN100													
2-Butanone	25.6	µg/L	SW8260D	1.22	20.0	20.00	0	128	74 - 236	23.8	7.44	35	
Acetone	28.9	µg/L	SW8260D	2.76	20.0	20.00	0	145	70 - 350	25.4	13.1	35	
Benzene	22.9	µg/L	SW8260D	0.147	1.00	20.00	0	114	80 - 127	20.4	11.4	35	
Carbon tetrachloride	18.6	µg/L	SW8260D	0.859	1.00	20.00	0	93.0	66 - 143	17.5	6.38	35	
Chloroform	21.7	µg/L	SW8260D	0.166	1.00	20.00	0	108	83 - 119	19.3	11.7	35	
Chloromethane	23.6	µg/L	SW8260D	0.802	1.00	20.00	0	118	30 - 149	21.4	9.95	35	
Methylene chloride	24.1	µg/L	SW8260D	0.381	1.00	20.00	0	120	65 - 154	21.6	10.7	35	
Naphthalene	19.0	µg/L	SW8260D	0.704	1.00	20.00	0	94.8	55 - 128	17.3	9.27	35	
Tetrahydrofuran	24.9	µg/L	SW8260D	0.436	1.00	20.00	0	125	59 - 135	22.4	10.4	35	
Toluene	21.6	µg/L	SW8260D	0.285	1.00	20.00	0	108	69 - 129	19.3	11.2	35	
Xylenes, Total	64.5	µg/L	SW8260D	0.575	1.00	60.00	0	107	66 - 124	57	12.2	35	
Surr: 1,2-Dichloroethane-d4	50.6	µg/L	SW8260D			50.00		101	80 - 136				
Surr: 4-Bromofluorobenzene	49.7	µg/L	SW8260D			50.00		99.4	85 - 121				
Surr: Dibromofluoromethane	47.5	µg/L	SW8260D			50.00		95.0	78 - 132				
Surr: Toluene-d8	47.6	µg/L	SW8260D			50.00		95.1	81 - 123				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Client ID: ENE300 **Contact:** Tanner Holliday

Project: **2nd Quarter Ground Water 2020** **QC Level:** III WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. CC KWeinel@energyfuels.com. Do not use "*R_" samples as MS/MSD.; DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-001A	**MW-01_04152020**	4/15/2020 1340h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-001B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-001C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-001D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-001E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-002A	**MW-03A_04132020**	4/13/2020 0700h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-002B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-002C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				

Printed: 04/17/20 13:59 LABORATORY CHECK: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ LUO ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-002D	**MW-03A_04132020**	4/13/2020 0700h	4/17/2020 1120h	**NH3-W-350.1**	Aqueous		df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-002E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-003A	**MW-17_04132020**	4/13/2020 1120h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-003B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-003C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-003D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-003E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-003E	**MW-17_04132020**	4/13/2020 1120h	4/17/2020 1120h	**HG-DW-DIS-PR**	Aqueous	☑	df-met	1
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-004A	**MW-18_04142020**	4/14/2020 1240h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-004B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-004C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004452-004D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-004E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-005A	**MW-19_04132020**	4/13/2020 1430h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-005B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-005C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004452-005D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-005D	**MW-19_04132020**	4/13/2020 1430h	4/17/2020 1120h	**NH3-W-PR**	Aqueous	☑	df - no2/no3 & nh3	1
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-005E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-006A	**MW-22_04152020**	4/15/2020 1120h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-006B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-006C				**TDS-W-2540C**		☑	df - tds	
				1 SEL Analytes: TDS				
2004452-006D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-006E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-006E	**MW-22_04152020**	4/15/2020 1120h	4/17/2020 1120h	**IONBALANCE**	Aqueous		df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-007A	**MW-28_04152020**	4/15/2020 1025h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-007B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-007C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-007D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-007E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-008A	**MW-39_04152020**	4/15/2020 1530h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-008B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-008C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-008D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-008D	**MW-39_04152020**	4/15/2020 1530h	4/17/2020 1120h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3 & nh3	1
				1 SEL Analytes: NO3NO2N				
2004452-008E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-009A	**MW-40_04142020**	4/14/2020 1055h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-009B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-009C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-009D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-009E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-010A	**MW-24A_04142020**	4/14/2020 1410h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-010B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-010C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-010D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004452-010E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-011A	**MW-70_04152020**	4/15/2020 1530h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004452-011B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004452-011C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004452-011D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **2004452**

Client: Energy Fuels Resources, Inc. Due Date: 5/1/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004452-011E	**MW-70_04152020**	4/15/2020 1530h	4/17/2020 1120h	**200.7-DIS**	Aqueous		df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004452-012A	**Trip Blank**	4/13/2020 0700h	4/17/2020 1120h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

2004452
AWAL Lab Sample Set #

Page 1 of 1

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		4/30/20

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Tanner Holliday**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; thollilday@energyfuels.com**
Project Name: **2nd Quarter Ground Water 2020**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-01_04152020	4/15/2020	1340	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-03A_04132020	4/13/2020	700	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-17_04132020	4/13/2020	1120	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-18_04142020	4/14/2020	1240	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-19_04132020	4/13/2020	1430	7	W	x	x	x	x	x	x	x	x	x	x	
6	MW-22_04152020	4/15/2020	1120	7	W	x	x	x	x	x	x	x	x	x	x	
7	MW-28_04152020	4/15/2020	1025	7	W	x	x	x	x	x	x	x	x	x	x	
8	MW-39_04152020	4/15/2020	1530	7	W	x	x	x	x	x	x	x	x	x	x	
9	MW-40_04142020	4/14/2020	1055	7	W	x	x	x	x	x	x	x	x	x	x	
10	MW-24A_04142020	4/14/2020	1410	7	W	x	x	x	x	x	x	x	x	x	x	
11	MW-70_04152020	4/15/2020	1530	7	W	x	x	x	x	x	x	x	x	x	x	
12	Trip Blank	4/13/2020	700	3	W										x	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered DB 4/17/20
2 Ambient or Chilled
3 Temperature 0.7 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date: 4/16/2020	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature Denise Brown	Date: 4/17/20
Print Name:	Time:	Print Name: Denise Brown	Time: 11:20

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 2004452

pH Lot #: 6179

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010	-011							
Ammonia	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes							
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes							
NO_2/NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes							
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		
Cr VI+	pH >9 $(NH_4)_2SO_4$																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 2nd Quarter Ground Water 2020

Dear Tanner Holliday: Lab Set ID: 2004553

American West Analytical Laboratories received sample(s) on 4/23/2020 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha Digitally signed by Jose G. Rocha Date: 2020.05.08 12:54:02 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004553
Date Received: 4/23/2020 1215h

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004553-001A	MW-20_04212020	4/21/2020	1345h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004553-001B	MW-20_04212020	4/21/2020	1345h	Aqueous	Anions, E300.0
2004553-001B	MW-20_04212020	4/21/2020	1345h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004553-001C	MW-20_04212020	4/21/2020	1345h	Aqueous	Total Dissolved Solids, A2540C
2004553-001D	MW-20_04212020	4/21/2020	1345h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004553-001D	MW-20_04212020	4/21/2020	1345h	Aqueous	Ammonia, Aqueous
2004553-001E	MW-20_04212020	4/21/2020	1345h	Aqueous	Ion Balance
2004553-001E	MW-20_04212020	4/21/2020	1345h	Aqueous	ICP Metals, Dissolved
2004553-001E	MW-20_04212020	4/21/2020	1345h	Aqueous	ICPMS Metals, Dissolved
2004553-001E	MW-20_04212020	4/21/2020	1345h	Aqueous	Mercury, Drinking Water Dissolved
2004553-002A	MW-23_04212020	4/21/2020	1230h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004553-002B	MW-23_04212020	4/21/2020	1230h	Aqueous	Anions, E300.0
2004553-002B	MW-23_04212020	4/21/2020	1230h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004553-002C	MW-23_04212020	4/21/2020	1230h	Aqueous	Total Dissolved Solids, A2540C
2004553-002D	MW-23_04212020	4/21/2020	1230h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004553-002D	MW-23_04212020	4/21/2020	1230h	Aqueous	Ammonia, Aqueous
2004553-002E	MW-23_04212020	4/21/2020	1230h	Aqueous	Ion Balance
2004553-002E	MW-23_04212020	4/21/2020	1230h	Aqueous	ICP Metals, Dissolved
2004553-002E	MW-23_04212020	4/21/2020	1230h	Aqueous	ICPMS Metals, Dissolved
2004553-002E	MW-23_04212020	4/21/2020	1230h	Aqueous	Mercury, Drinking Water Dissolved
2004553-003A	MW-24_04222020	4/22/2020	840h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004553-003B	MW-24_04222020	4/22/2020	840h	Aqueous	Anions, E300.0
2004553-003B	MW-24_04222020	4/22/2020	840h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004553-003C	MW-24_04222020	4/22/2020	840h	Aqueous	Total Dissolved Solids, A2540C
2004553-003D	MW-24_04222020	4/22/2020	840h	Aqueous	Ammonia, Aqueous
2004553-003D	MW-24_04222020	4/22/2020	840h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004553-003E	MW-24_04222020	4/22/2020	840h	Aqueous	Ion Balance
2004553-003E	MW-24_04222020	4/22/2020	840h	Aqueous	ICP Metals, Dissolved
2004553-003E	MW-24_04222020	4/22/2020	840h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004553
Date Received: 4/23/2020 1215h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2004553-003E	MW-24_04222020	4/22/2020	840h	Aqueous	Mercury, Drinking Water Dissolved
2004553-004A	MW-37_04212020	4/21/2020	1300h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004553-004B	MW-37_04212020	4/21/2020	1300h	Aqueous	Anions, E300.0
2004553-004B	MW-37_04212020	4/21/2020	1300h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004553-004C	MW-37_04212020	4/21/2020	1300h	Aqueous	Total Dissolved Solids, A2540C
2004553-004D	MW-37_04212020	4/21/2020	1300h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004553-004D	MW-37_04212020	4/21/2020	1300h	Aqueous	Ammonia, Aqueous
2004553-004E	MW-37_04212020	4/21/2020	1300h	Aqueous	ICP Metals, Dissolved
2004553-004E	MW-37_04212020	4/21/2020	1300h	Aqueous	ICPMS Metals, Dissolved
2004553-004E	MW-37_04212020	4/21/2020	1300h	Aqueous	Ion Balance
2004553-004E	MW-37_04212020	4/21/2020	1300h	Aqueous	Mercury, Drinking Water Dissolved
2004553-005A	MW-38_04222020	4/22/2020	810h	Aqueous	VOA by GC/MS Method 8260D/5030C
2004553-005B	MW-38_04222020	4/22/2020	810h	Aqueous	Anions, E300.0
2004553-005B	MW-38_04222020	4/22/2020	810h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
2004553-005C	MW-38_04222020	4/22/2020	810h	Aqueous	Total Dissolved Solids, A2540C
2004553-005D	MW-38_04222020	4/22/2020	810h	Aqueous	Nitrite/Nitrate (as N), E353.2
2004553-005D	MW-38_04222020	4/22/2020	810h	Aqueous	Ammonia, Aqueous
2004553-005E	MW-38_04222020	4/22/2020	810h	Aqueous	Ion Balance
2004553-005E	MW-38_04222020	4/22/2020	810h	Aqueous	ICP Metals, Dissolved
2004553-005E	MW-38_04222020	4/22/2020	810h	Aqueous	ICPMS Metals, Dissolved
2004553-005E	MW-38_04222020	4/22/2020	810h	Aqueous	Mercury, Drinking Water Dissolved
2004553-006A	Trip Blank	4/21/2020	1230h	Aqueous	VOA by GC/MS Method 8260D/5030C

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Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Ground Water 2020
Lab Set ID: 2004553

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	4/23/2020
Date(s) of Collection:	4/21-4/22/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
2004553-001E	Calcium	MS/MSD	High analyte concentration
2004553-001E	Sodium	MS/MSD	High analyte concentration

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	2nd Quarter Ground Water 2020
Lab Set ID:	2004553

Sample Receipt Information:

Date of Receipt:	4/23/2020
Date(s) of Collection:	4/21-4/22/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260D/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met, with CCV exceptions noted on the reports. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: **LCS-69489**	Date Analyzed:	05/04/2020 1546h											
Test Code: 200.7-DIS	Date Prepared:	04/27/2020 1406h											
Calcium	9.77	mg/L	E200.7	0.211	1.00	10.00	0	97.7	85 - 115				
Magnesium	10.5	mg/L	E200.7	0.0654	1.00	10.00	0	105	85 - 115				
Potassium	9.97	mg/L	E200.7	0.246	1.00	10.00	0	99.7	85 - 115				
Sodium	10.0	mg/L	E200.7	0.123	1.00	10.00	0	100	85 - 115				
Vanadium	0.204	mg/L	E200.7	0.00252	0.00500	0.2000	0	102	85 - 115				
Lab Sample ID: **LCS-69490**	Date Analyzed:	04/27/2020 2014h											
Test Code: 200.8-DIS	Date Prepared:	04/27/2020 1406h											
Arsenic	0.184	mg/L	E200.8	0.000298	0.00200	0.2000	0	91.9	85 - 115				
Beryllium	0.187	mg/L	E200.8	0.000198	0.00200	0.2000	0	93.6	85 - 115				
Cadmium	0.183	mg/L	E200.8	0.0000742	0.000500	0.2000	0	91.7	85 - 115				
Chromium	0.184	mg/L	E200.8	0.00191	0.00200	0.2000	0	91.8	85 - 115				
Cobalt	0.187	mg/L	E200.8	0.000300	0.00400	0.2000	0	93.5	85 - 115				
Copper	0.185	mg/L	E200.8	0.00166	0.00200	0.2000	0	92.7	85 - 115				
Iron	0.946	mg/L	E200.8	0.0328	0.100	1.000	0	94.6	85 - 115				
Lead	0.187	mg/L	E200.8	0.000448	0.00200	0.2000	0	93.3	85 - 115				
Manganese	0.187	mg/L	E200.8	0.000766	0.00200	0.2000	0	93.6	85 - 115				
Nickel	0.189	mg/L	E200.8	0.000728	0.00200	0.2000	0	94.7	85 - 115				
Selenium	0.183	mg/L	E200.8	0.000508	0.00200	0.2000	0	91.3	85 - 115				
Silver	0.192	mg/L	E200.8	0.000232	0.00200	0.2000	0	95.8	85 - 115				
Thallium	0.177	mg/L	E200.8	0.000390	0.00200	0.2000	0	88.6	85 - 115				
Tin	1.00	mg/L	E200.8	0.00115	0.00400	1.000	0	100	85 - 115				
Uranium	0.208	mg/L	E200.8	0.000176	0.00200	0.2000	0	104	85 - 115				
Zinc	0.953	mg/L	E200.8	0.00418	0.00600	1.000	0	95.3	85 - 115				
Lab Sample ID: **LCS-69490**	Date Analyzed:	04/28/2020 1200h											
Test Code: 200.8-DIS	Date Prepared:	04/27/2020 1406h											
Molybdenum	0.201	mg/L	E200.8	0.000652	0.00200	0.2000	0	100	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**LCS-69688**	Date Analyzed:	05/07/2020 1545h											
Test Code:	200.8-DIS	Date Prepared:	05/07/2020 948h											
Zinc		0.964	mg/L	E200.8	0.00418	0.00600	1.000	0	96.4	85 - 115				
Lab Sample ID:	**LCS-69464**	Date Analyzed:	04/27/2020 1002h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/24/2020 1442h											
Mercury		0.00342	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	103	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-69489**	Date Analyzed:	05/04/2020 1544h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Calcium		< 1.00	mg/L	E200.7	0.211	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0654	1.00								
Potassium		< 1.00	mg/L	E200.7	0.246	1.00								
Sodium		< 1.00	mg/L	E200.7	0.123	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.00252	0.00500								
Lab Sample ID:	**MB-69490**	Date Analyzed:	04/27/2020 2010h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Arsenic		< 0.000200	mg/L	E200.8	0.0000298	0.000200								
Beryllium		< 0.000200	mg/L	E200.8	0.0000198	0.000200								
Cadmium		< 0.0000500	mg/L	E200.8	0.00000742	0.0000500								
Chromium		< 0.000200	mg/L	E200.8	0.000191	0.000200								
Cobalt		< 0.000400	mg/L	E200.8	0.0000300	0.000400								
Copper		< 0.000200	mg/L	E200.8	0.000166	0.000200								
Iron		< 0.0100	mg/L	E200.8	0.00328	0.0100								
Lead		< 0.000200	mg/L	E200.8	0.0000448	0.000200								
Manganese		< 0.000200	mg/L	E200.8	0.0000766	0.000200								
Nickel		< 0.000200	mg/L	E200.8	0.0000728	0.000200								
Selenium		< 0.000200	mg/L	E200.8	0.0000508	0.000200								
Silver		< 0.000200	mg/L	E200.8	0.0000232	0.000200								
Thallium		< 0.000200	mg/L	E200.8	0.0000390	0.000200								
Tin		< 0.000400	mg/L	E200.8	0.000115	0.000400								
Uranium		< 0.000200	mg/L	E200.8	0.0000176	0.000200								
Zinc		< 0.000600	mg/L	E200.8	0.000418	0.000600								
Lab Sample ID:	**MB-FILTER-69486**	Date Analyzed:	04/27/2020 2042h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Arsenic		< 0.00200	mg/L	E200.8	0.000298	0.00200								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-FILTER-69486**	Date Analyzed:	04/27/2020 2042h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Beryllium		< 0.00200	mg/L	E200.8	0.000198	0.00200								
Cadmium		< 0.000500	mg/L	E200.8	0.0000742	0.000500								
Chromium		< 0.00200	mg/L	E200.8	0.00191	0.00200								
Cobalt		< 0.00400	mg/L	E200.8	0.000300	0.00400								
Copper		< 0.00200	mg/L	E200.8	0.00166	0.00200								
Iron		< 0.100	mg/L	E200.8	0.0328	0.100								
Lead		< 0.00200	mg/L	E200.8	0.000448	0.00200								
Manganese		< 0.00200	mg/L	E200.8	0.000766	0.00200								
Nickel		< 0.00200	mg/L	E200.8	0.000728	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.000508	0.00200								
Silver		< 0.00200	mg/L	E200.8	0.000232	0.00200								
Thallium		< 0.00200	mg/L	E200.8	0.000390	0.00200								
Tin		< 0.00400	mg/L	E200.8	0.00115	0.00400								
Uranium		< 0.00200	mg/L	E200.8	0.000176	0.00200								
Zinc		0.0167	mg/L	E200.8	0.00418	0.00600								B
Lab Sample ID:	**MB-FILTER-69443**	Date Analyzed:	04/27/2020 2153h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Iron		< 0.100	mg/L	E200.8	0.0328	0.100								
Zinc		< 0.00600	mg/L	E200.8	0.00418	0.00600								
Lab Sample ID:	**MB-69490**	Date Analyzed:	04/28/2020 1157h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Molybdenum		< 0.000200	mg/L	E200.8	0.0000652	0.000200								
Lab Sample ID:	**MB-69688**	Date Analyzed:	05/07/2020 1542h											
Test Code:	200.8-DIS	Date Prepared:	05/07/2020 948h											
Zinc		< 0.00600	mg/L	E200.8	0.00418	0.00600								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-69464**	Date Analyzed:	04/27/2020 1000h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/24/2020 1442h											
Mercury		< 0.0000900	mg/L	E245.1	0.0000396	0.0000900								
Lab Sample ID:	**MB-FILTER-69443**	Date Analyzed:	04/27/2020 1048h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/24/2020 1442h											
Mercury		< 0.0000900	mg/L	E245.1	0.0000396	0.0000900								

B - This analyte was detected in the Filter Method Blank above the PQL at 0.017 mg/L.

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	05/04/2020 1557h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Calcium		329	mg/L	E200.7	4.22	20.0	10.00	330	-13.3	70 - 130				2
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	05/04/2020 1641h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Sodium		1,170	mg/L	E200.7	6.15	50.0	10.00	1190	-168	70 - 130				2
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	05/04/2020 1708h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Magnesium		24.5	mg/L	E200.7	0.0654	1.00	10.00	15.2	92.8	70 - 130				
Potassium		31.7	mg/L	E200.7	0.246	1.00	10.00	21.7	99.9	70 - 130				
Vanadium		0.218	mg/L	E200.7	0.00252	0.00500	0.2000	0.0122	103	70 - 130				
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	04/28/2020 1233h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Arsenic		0.212	mg/L	E200.8	0.000298	0.00200	0.2000	0.0029	105	75 - 125				
Beryllium		0.193	mg/L	E200.8	0.000198	0.00200	0.2000	0	96.5	75 - 125				
Cadmium		0.198	mg/L	E200.8	0.0000742	0.000500	0.2000	0.0000945	98.8	75 - 125				
Chromium		0.194	mg/L	E200.8	0.00191	0.00200	0.2000	0.00368	94.9	75 - 125				
Cobalt		0.195	mg/L	E200.8	0.000300	0.00400	0.2000	0.000318	97.4	75 - 125				
Copper		0.191	mg/L	E200.8	0.00166	0.00200	0.2000	0	95.3	75 - 125				
Iron		0.960	mg/L	E200.8	0.0328	0.100	1.000	0.132	82.8	75 - 125				
Lead		0.190	mg/L	E200.8	0.000448	0.00200	0.2000	0	94.9	75 - 125				
Manganese		0.189	mg/L	E200.8	0.000766	0.00200	0.2000	0.00202	93.3	75 - 125				
Molybdenum		0.238	mg/L	E200.8	0.000652	0.00200	0.2000	0.0192	110	75 - 125				
Nickel		0.196	mg/L	E200.8	0.000728	0.00200	0.2000	0	97.9	75 - 125				
Selenium		0.194	mg/L	E200.8	0.000508	0.00200	0.2000	0.0015	96.1	75 - 125				
Silver		0.191	mg/L	E200.8	0.000232	0.00200	0.2000	0	95.7	75 - 125				
Thallium		0.189	mg/L	E200.8	0.000390	0.00200	0.2000	0	94.5	75 - 125				
Tin		1.08	mg/L	E200.8	0.00115	0.00400	1.000	0	108	75 - 125				

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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	04/28/2020 1233h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Zinc		1.01	mg/L	E200.8	0.00418	0.00600	1.000	0.0372	97.2	75 - 125				
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	04/30/2020 1819h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Uranium		0.206	mg/L	E200.8	0.000176	0.00200	0.2000	0.000888	103	75 - 125				
Lab Sample ID:	**2004553-001E MS**	Date Analyzed:	05/07/2020 1609h											
Test Code:	200.8-DIS	Date Prepared:	05/07/2020 948h											
Zinc		9.82	mg/L	E200.8	0.0418	0.0600	10.00	0	98.2	75 - 125				
Lab Sample ID:	**2004553-001EMS**	Date Analyzed:	04/27/2020 1010h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/24/2020 1442h											
Mercury		0.00340	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	102	85 - 115				

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

2004553-001E MS: Insufficient sample amount was provided to allow for a full amount analysis of the MS/MSD. Reduced sample volume for the MS/MSD was used as a result.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	05/04/2020 1607h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Calcium		334	mg/L	E200.7	4.22	20.0	10.00	330	40.8	70 - 130	329	1.63	20	#
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	05/04/2020 1643h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Sodium		1,240	mg/L	E200.7	6.15	50.0	10.00	1190	472	70 - 130	1170	5.30	20	#
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	05/04/2020 1711h											
Test Code:	200.7-DIS	Date Prepared:	04/27/2020 1406h											
Magnesium		24.1	mg/L	E200.7	0.0654	1.00	10.00	15.2	88.5	70 - 130	24.5	1.76	20	
Potassium		31.1	mg/L	E200.7	0.246	1.00	10.00	21.7	93.8	70 - 130	31.7	1.93	20	
Vanadium		0.217	mg/L	E200.7	0.00252	0.00500	0.2000	0.0122	102	70 - 130	0.218	0.743	20	
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	04/28/2020 1236h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Arsenic		0.210	mg/L	E200.8	0.000298	0.00200	0.2000	0.0029	103	75 - 125	0.212	1.31	20	
Beryllium		0.195	mg/L	E200.8	0.000198	0.00200	0.2000	0	97.4	75 - 125	0.193	0.904	20	
Cadmium		0.198	mg/L	E200.8	0.0000742	0.000500	0.2000	0.0000945	99.0	75 - 125	0.198	0.137	20	
Chromium		0.191	mg/L	E200.8	0.00191	0.00200	0.2000	0.00368	93.8	75 - 125	0.194	1.15	20	
Cobalt		0.195	mg/L	E200.8	0.000300	0.00400	0.2000	0.000318	97.4	75 - 125	0.195	0.00407	20	
Copper		0.192	mg/L	E200.8	0.00166	0.00200	0.2000	0	95.9	75 - 125	0.191	0.661	20	
Iron		1.00	mg/L	E200.8	0.0328	0.100	1.000	0.132	87.3	75 - 125	0.96	4.58	20	
Lead		0.190	mg/L	E200.8	0.000448	0.00200	0.2000	0	94.9	75 - 125	0.19	0.0597	20	
Manganese		0.190	mg/L	E200.8	0.000766	0.00200	0.2000	0.00202	94.0	75 - 125	0.189	0.731	20	
Molybdenum		0.242	mg/L	E200.8	0.000652	0.00200	0.2000	0.0192	111	75 - 125	0.238	1.39	20	
Nickel		0.193	mg/L	E200.8	0.000728	0.00200	0.2000	0	96.7	75 - 125	0.196	1.18	20	
Selenium		0.189	mg/L	E200.8	0.000508	0.00200	0.2000	0.0015	93.9	75 - 125	0.194	2.28	20	
Silver		0.194	mg/L	E200.8	0.000232	0.00200	0.2000	0	96.8	75 - 125	0.191	1.04	20	
Thallium		0.190	mg/L	E200.8	0.000390	0.00200	0.2000	0	95.0	75 - 125	0.189	0.435	20	
Tin		1.09	mg/L	E200.8	0.00115	0.00400	1.000	0	109	75 - 125	1.08	0.529	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	04/28/2020 1236h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Zinc		1.01	mg/L	E200.8	0.00418	0.00600	1.000	0.0372	97.7	75 - 125	1.01	0.505	20	
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	04/30/2020 1822h											
Test Code:	200.8-DIS	Date Prepared:	04/27/2020 1406h											
Uranium		0.191	mg/L	E200.8	0.000176	0.00200	0.2000	0.000888	95.0	75 - 125	0.206	7.62	20	
Lab Sample ID:	**2004553-001E MSD**	Date Analyzed:	05/07/2020 1612h											
Test Code:	200.8-DIS	Date Prepared:	05/07/2020 948h											
Zinc		9.89	mg/L	E200.8	0.0418	0.0600	10.00	0	98.9	75 - 125	9.82	0.693	20	
Lab Sample ID:	**2004553-001EMSD**	Date Analyzed:	04/27/2020 1012h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	04/24/2020 1442h											
Mercury		0.00342	mg/L	E245.1	0.0000396	0.0000900	0.003330	0	103	85 - 115	0.0034	0.782	20	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

2004553-001E MSD: Insufficient sample amount was provided to allow for a full amount analysis of the MS/MSD. Reduced sample volume for the MS/MSD was used as a result.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004553-001CDUP Date Analyzed: 04/23/2020 1500h Test Code: TDS-W-2540C													
Total Dissolved Solids	4,410	mg/L	SM2540C	16.0	20.0					4200	4.83	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R138407 Date Analyzed: 05/01/2020 1040h													
Test Code: 300.0-W													
Chloride	5.13	mg/L	E300.0	0.0565	0.100	5.000	0	103	90 - 110				
Fluoride	5.17	mg/L	E300.0	0.0240	0.100	5.000	0	103	90 - 110				
Sulfate	5.33	mg/L	E300.0	0.136	0.750	5.000	0	107	90 - 110				
Lab Sample ID: LCS-R138063 Date Analyzed: 04/24/2020 547h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	250	mg/L	SM2320B	0.369	1.00	250.0	0	99.8	90 - 110				
Lab Sample ID: LCS-69607 Date Analyzed: 05/04/2020 820h													
Test Code: NH3-W-350.1 Date Prepared: 05/01/2020 1014h													
Ammonia (as N)	2.10	mg/L	E350.1	0.0473	0.0500	2.000	0	105	90 - 110				
Lab Sample ID: LCS-R138090 Date Analyzed: 04/24/2020 1203h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.06	mg/L	E353.2	0.00494	0.0100	1.000	0	106	90 - 110				
Lab Sample ID: LCS-R138099 Date Analyzed: 04/23/2020 1100h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	186	mg/L	SM2540C	8.00	10.0	205.0	0	90.7	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R138407	Date Analyzed:	05/01/2020 1023h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R138063	Date Analyzed:	04/24/2020 547h											
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.369	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.369	1.00								
Lab Sample ID: MB-69607	Date Analyzed:	05/04/2020 819h											
Test Code: NH3-W-350.1	Date Prepared:	05/01/2020 1014h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0473	0.0500								
Lab Sample ID: MB-R138090	Date Analyzed:	04/24/2020 1201h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								
Lab Sample ID: MB-R138099	Date Analyzed:	04/23/2020 1100h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								

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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**2004553-001BMS**	Date Analyzed:	05/01/2020 1451h											
Test Code:	300.0-W													
Chloride		2,650	mg/L	E300.0	28.2	50.0	2,500	59.3	104	90 - 110				
Fluoride		2,660	mg/L	E300.0	12.0	50.0	2,500	0	106	90 - 110				
Sulfate		5,590	mg/L	E300.0	68.0	375	2,500	2970	105	90 - 110				
Lab Sample ID:	**2004553-001BMS**	Date Analyzed:	04/24/2020 547h											
Test Code:	ALK-W-2320B-LL													
Alkalinity (as CaCO3)		600	mg/L	SM2320B	0.369	1.00	500.0	101	99.8	80 - 120				
Lab Sample ID:	**2004553-001DMS**	Date Analyzed:	05/04/2020 822h											
Test Code:	NH3-W-350.1	Date Prepared:	05/01/2020 1014h											
Ammonia (as N)		2.19	mg/L	E350.1	0.0473	0.0500	2.000	0.17	101	90 - 110				
Lab Sample ID:	**2004553-001DMS**	Date Analyzed:	04/24/2020 1235h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		28.5	mg/L	E353.2	0.0988	0.200	20.00	8.75	98.7	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004553-001BMSD Date Analyzed: 05/01/2020 1508h													
Test Code: 300.0-W													
Chloride	2,650	mg/L	E300.0	28.2	50.0	2,500	59.3	104	90 - 110	2650	0.0791	20	
Fluoride	2,620	mg/L	E300.0	12.0	50.0	2,500	0	105	90 - 110	2660	1.55	20	
Sulfate	5,510	mg/L	E300.0	68.0	375	2,500	2970	102	90 - 110	5590	1.46	20	
Lab Sample ID: 2004553-001BMSD Date Analyzed: 04/24/2020 547h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	603	mg/L	SM2320B	0.369	1.00	500.0	101	100	80 - 120	600	0.499	10	
Lab Sample ID: 2004553-001DMSD Date Analyzed: 05/04/2020 822h													
Test Code: NH3-W-350.1 Date Prepared: 05/01/2020 1014h													
Ammonia (as N)	2.24	mg/L	E350.1	0.0473	0.0500	2.000	0.17	104	90 - 110	2.19	2.26	10	
Lab Sample ID: 2004553-001DMSD Date Analyzed: 04/24/2020 1236h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	29.1	mg/L	E353.2	0.0988	0.200	20.00	8.75	102	90 - 110	28.5	2.05	10	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-2 042320A Date Analyzed: 04/23/2020 735h Test Code: 8260D-W-DEN100													
2-Butanone	30.2	µg/L	SW8260D	1.22	20.0	20.00	0	151	74 - 236				
Acetone	40.2	µg/L	SW8260D	2.76	20.0	20.00	0	201	70 - 350				
Benzene	21.9	µg/L	SW8260D	0.147	1.00	20.00	0	109	80 - 127				
Carbon tetrachloride	20.0	µg/L	SW8260D	0.859	1.00	20.00	0	100	66 - 143				
Chloroform	20.7	µg/L	SW8260D	0.166	1.00	20.00	0	104	83 - 119				
Chloromethane	23.5	µg/L	SW8260D	0.802	1.00	20.00	0	118	30 - 149				
Methylene chloride	23.0	µg/L	SW8260D	0.381	1.00	20.00	0	115	65 - 154				
Naphthalene	19.2	µg/L	SW8260D	0.704	1.00	20.00	0	96.0	55 - 128				
Tetrahydrofuran	23.6	µg/L	SW8260D	0.436	1.00	20.00	0	118	59 - 135				
Toluene	20.6	µg/L	SW8260D	0.285	1.00	20.00	0	103	69 - 129				
Xylenes, Total	61.4	µg/L	SW8260D	0.575	1.00	60.00	0	102	66 - 124				
Surr: 1,2-Dichloroethane-d4	49.3	µg/L	SW8260D			50.00		98.6	80 - 136				
Surr: 4-Bromofluorobenzene	48.4	µg/L	SW8260D			50.00		96.9	85 - 121				
Surr: Dibromofluoromethane	47.4	µg/L	SW8260D			50.00		94.8	78 - 132				
Surr: Toluene-d8	47.4	µg/L	SW8260D			50.00		94.9	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-2 042320A Date Analyzed: 04/23/2020 755h													
Test Code: 8260D-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260D	1.22	20.0								
Acetone	< 20.0	µg/L	SW8260D	2.76	20.0								
Benzene	< 1.00	µg/L	SW8260D	0.147	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Naphthalene	< 1.00	µg/L	SW8260D	0.704	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260D	0.436	1.00								
Toluene	< 1.00	µg/L	SW8260D	0.285	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260D	0.575	1.00								
Surr: 1,2-Dichloroethane-d4	48.7	µg/L	SW8260D			50.00		97.4	80 - 136				
Surr: 4-Bromofluorobenzene	50.2	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	45.8	µg/L	SW8260D			50.00		91.7	78 - 132				
Surr: Toluene-d8	48.1	µg/L	SW8260D			50.00		96.2	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004553-001AMS Date Analyzed: 04/23/2020 1639h													
Test Code: 8260D-W-DEN100													
2-Butanone	22.7	µg/L	SW8260D	1.22	20.0	20.00	0	113	74 - 236				
Acetone	24.5	µg/L	SW8260D	2.76	20.0	20.00	0	122	70 - 350				
Benzene	19.4	µg/L	SW8260D	0.147	1.00	20.00	0	97.0	80 - 127				
Carbon tetrachloride	16.7	µg/L	SW8260D	0.859	1.00	20.00	0	83.6	66 - 143				
Chloroform	18.6	µg/L	SW8260D	0.166	1.00	20.00	0	93.0	83 - 119				
Chloromethane	19.7	µg/L	SW8260D	0.802	1.00	20.00	0	98.4	30 - 149				
Methylene chloride	19.9	µg/L	SW8260D	0.381	1.00	20.00	0	99.7	65 - 154				
Naphthalene	15.8	µg/L	SW8260D	0.704	1.00	20.00	0	79.1	55 - 128				
Tetrahydrofuran	21.8	µg/L	SW8260D	0.436	1.00	20.00	0	109	59 - 135				
Toluene	18.5	µg/L	SW8260D	0.285	1.00	20.00	0	92.5	69 - 129				
Xylenes, Total	54.3	µg/L	SW8260D	0.575	1.00	60.00	0	90.4	66 - 124				
Surr: 1,2-Dichloroethane-d4	49.9	µg/L	SW8260D			50.00		99.8	80 - 136				
Surr: 4-Bromofluorobenzene	50.7	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	48.0	µg/L	SW8260D			50.00		96.0	78 - 132				
Surr: Toluene-d8	48.2	µg/L	SW8260D			50.00		96.5	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2004553
Project: 2nd Quarter Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2004553-001AMSD Date Analyzed: 04/23/2020 1659h													
Test Code: 8260D-W-DEN100													
2-Butanone	25.2	µg/L	SW8260D	1.22	20.0	20.00	0	126	74 - 236	22.7	10.4	35	
Acetone	28.2	µg/L	SW8260D	2.76	20.0	20.00	0	141	70 - 350	24.5	14.1	35	
Benzene	21.8	µg/L	SW8260D	0.147	1.00	20.00	0	109	80 - 127	19.4	11.6	35	
Carbon tetrachloride	18.8	µg/L	SW8260D	0.859	1.00	20.00	0	93.8	66 - 143	16.7	11.6	35	
Chloroform	21.0	µg/L	SW8260D	0.166	1.00	20.00	0	105	83 - 119	18.6	12.4	35	
Chloromethane	21.1	µg/L	SW8260D	0.802	1.00	20.00	0	106	30 - 149	19.7	7.01	35	
Methylene chloride	22.4	µg/L	SW8260D	0.381	1.00	20.00	0	112	65 - 154	19.9	11.8	35	
Naphthalene	17.9	µg/L	SW8260D	0.704	1.00	20.00	0	89.4	55 - 128	15.8	12.2	35	
Tetrahydrofuran	24.4	µg/L	SW8260D	0.436	1.00	20.00	0	122	59 - 135	21.8	11.7	35	
Toluene	20.8	µg/L	SW8260D	0.285	1.00	20.00	0	104	69 - 129	18.5	11.7	35	
Xylenes, Total	61.0	µg/L	SW8260D	0.575	1.00	60.00	0	102	66 - 124	54.3	11.6	35	
Surr: 1,2-Dichloroethane-d4	50.1	µg/L	SW8260D			50.00		100	80 - 136				
Surr: 4-Bromofluorobenzene	50.2	µg/L	SW8260D			50.00		100	85 - 121				
Surr: Dibromofluoromethane	47.8	µg/L	SW8260D			50.00		95.7	78 - 132				
Surr: Toluene-d8	48.0	µg/L	SW8260D			50.00		96.0	81 - 123				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **2004553**

Client: Energy Fuels Resources, Inc. Due Date: 5/7/2020

Client ID: ENE300 **Contact:** Tanner Holliday

Project: **2nd Quarter Ground Water 2020** **QC Level:** III WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. CC KWeinel@energyfuels.com; gpalmer@energyfuels.com;dturk@energyfuels.com; Do not use "*R_" samples as MS/MSD.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004553-001A	**MW-20_04212020**	4/21/2020 1345h	4/23/2020 1215h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004553-001B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004553-001C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004553-001D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004553-001E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004553-002A	**MW-23_04212020**	4/21/2020 1230h	4/23/2020 1215h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004553-002B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				

Printed: 04/24/20 09:35 LABORATORY CHECK: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ LUO ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **2004553**

Client: Energy Fuels Resources, Inc. Due Date: 5/7/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
2004553-002D	**MW-23_04212020**	4/21/2020 1230h	4/23/2020 1215h	**NH3-W-350.1**	Aqueous		df - no2/no3 & nh3 1
				1 SEL Analytes: NH3N			
				NH3-W-PR			df - no2/no3 & nh3
				NO2/NO3-W-353.2			df - no2/no3 & nh3
				1 SEL Analytes: NO3NO2N			
2004553-002E				**200.7-DIS**			df-met
				5 SEL Analytes: CA MG K NA V			
				200.7-DIS-PR			df-met
				200.8-DIS			df-met
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN			
				200.8-DIS-PR			df-met
				HG-DW-DIS-245.1			df-met
				1 SEL Analytes: HG			
				HG-DW-DIS-PR			df-met
				IONBALANCE			df-met
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc			
2004553-003A	**MW-24_04222020**	4/22/2020 0840h	4/23/2020 1215h	**8260D-W-DEN100**	Aqueous		VOCFridge 3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4			
2004553-003B				**300.0-W**			df - wc 1
				3 SEL Analytes: CL F SO4			
				ALK-W-2320B-LL			df - wc
				2 SEL Analytes: ALKB ALKC			
2004553-003C				**TDS-W-2540C**			df - tds
				1 SEL Analytes: TDS			
2004553-003D				**NH3-W-350.1**			df - no2/no3 & nh3
				1 SEL Analytes: NH3N			
				NH3-W-PR			df - no2/no3 & nh3
				NO2/NO3-W-353.2			df - no2/no3 & nh3
				1 SEL Analytes: NO3NO2N			
2004553-003E				**200.7-DIS**			df-met
				5 SEL Analytes: CA MG K NA V			
				200.7-DIS-PR			df-met
				200.8-DIS			df-met
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN			
				200.8-DIS-PR			df-met
				HG-DW-DIS-245.1			df-met
				1 SEL Analytes: HG			

WORK ORDER Summary

Work Order: **2004553**

Client: Energy Fuels Resources, Inc. Due Date: 5/7/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004553-003E	**MW-24_04222020**	4/22/2020 0840h	4/23/2020 1215h	**HG-DW-DIS-PR**	Aqueous		df-met	1
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004553-004A	**MW-37_04212020**	4/21/2020 1300h	4/23/2020 1215h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004553-004B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004553-004C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004553-004D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004553-004E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004553-005A	**MW-38_04222020**	4/22/2020 0810h	4/23/2020 1215h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				
2004553-005B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
2004553-005C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2004553-005D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				

WORK ORDER Summary

Work Order: **2004553**

Client: Energy Fuels Resources, Inc. Due Date: 5/7/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2004553-005D	**MW-38_04222020**	4/22/2020 0810h	4/23/2020 1215h	**NH3-W-PR**	Aqueous		df - no2/no3 & nh3	1
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2004553-005E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
2004553-006A	**Trip Blank**	4/21/2020 1230h	4/23/2020 1215h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4				

Printed: 04/23/20 13:12 LABORATORY CHECK: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ LUO ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

2004553
AWAL Lab Sample Set #
Page 1 of 1

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Tanner Holliday**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **2nd Quarter Ground Water 2020**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-20_04212020	4/21/2020	1345	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-23_04212020	4/21/2020	1230	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-24_04222020	4/22/2020	840	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-37_04212020	4/21/2020	1300	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-38_04222020	4/22/2020	810	7	W	x	x	x	x	x	x	x	x	x	x	
6	Trip Blank	4/21/2020	1230	3	W										x	
7																
8																
9																
10																
11																
12																

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Laboratory Use Only

Samples Were: (UPS)
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.5 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N
Checked at bench Y N
6 Received Within Holding Times (Y) N

COC Tape Was:
1 Present on Outer Package (Y) N NA
2 Unbroken on Outer Package (Y) N NA
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 4/23/20
Print Name:	Time:	Print Name: Ellen Hay	Time: 1215
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 2004553

pH Lot #: 6299

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5													
Ammonia	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes													
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes													
NO_2/NO_3	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		
Cr VI+	pH >9 $(NH_4)_2SO_4$																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

May 11, 2020

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 509346

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 14, 2020. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Samuel Hogan for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Page 1 of 16 GLDC-509346

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 509346

May 11, 2020

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on April 14, 2020 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
509346001	MW-02_04072020
509346002	MW-05_04082020
509346003	MW-11_04082020
509346004	MW-12_04092020
509346005	MW-14_04062020
509346006	MW-15_04072020
509346007	MW-25_04072020
509346008	MW-26_04082020
509346009	MW-27_04082020
509346010	MW-29_04082020
509346011	MW-30_04062020
509346012	MW-31_04062020
509346013	MW-32_04072020
509346014	MW-35_04092020
509346015	MW-36_04092020
509346016	MW-65_04082020
509346017	TW4-24_04082020

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

Samuel Hogan for
Julie Robinson
Project Manager

509346

Sheet 1 of 1

ENERGY FUELS RESOURCES

CHAIN OF CUSTODY

Samples Shipped to: GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
(843) 556 8171

Contact: Tanner Holliday
Ph: 435 678 2221
tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Q2 Ground Water 2020	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-02_04072020	4/7/2020	1430	Gross Alpha
MW-05_04082020	4/8/2020	1520	Gross Alpha
MW-11_04082020	4/8/2020	1140	Gross Alpha
MW-12_04092020	4/9/2020	920	Gross Alpha
MW-14_04062020	4/6/2020	1505	Gross Alpha
MW-15_04072020	4/7/2020	1025	Gross Alpha
MW-25_04072020	4/7/2020	1410	Gross Alpha
MW-26_04082020	4/8/2020	1300	Gross Alpha
MW-27_04082020	4/8/2020	1405	Gross Alpha
MW-29_04082020	4/8/2020	950	Gross Alpha
MW-30_04062020	4/6/2020	1115	Gross Alpha
MW-31_04062020	4/6/2020	1340	Gross Alpha
MW-32_04072020	4/7/2020	1210	Gross Alpha
MW-35_04092020	4/9/2020	820	Gross Alpha
MW-36_04092020	4/9/2020	945	Gross Alpha
MW-65_04082020	4/8/2020	1520	Gross Alpha
TW4-24_04082020	4/8/2020	1330	Gross Alpha

Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	4/9/2020 1100	Shyanna Dodson	4/14/20 9:20
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 509346 S-R-
Received By: JUR	Date Received: 4-14-20
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other 1Z 187 4Y4 12 9458 0747

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?* IR 4.14.20	✓			Preservation Method: Wet Ice Ice Packs Dry Ice (None) Other: *all temperatures are recorded in Celsius TEMP: 17C
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR3-19 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?				If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided?			✓	
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials NRG Date 4/15/20 Page 1 of 1

GL-CHL-SR-001 Rev 6

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 509346 Q2 Ground Water 2020
Client SDG: 509346
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 12-MAY-20
Package Due Date: 10-MAY-20
EDD Due Date: 12-MAY-20
Due Date: 12-MAY-20
SH2

Collector: C
Prelogin #: 20190487484
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
509346001	MW-02_04072020		07-APR-20 14:30	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346002	MW-05_04082020		08-APR-20 15:20	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346003	MW-11_04082020		08-APR-20 11:40	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346004	MW-12_04092020		09-APR-20 09:20	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346005	MW-14_04062020		06-APR-20 15:05	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346006	MW-15_04072020		07-APR-20 10:25	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346007	MW-25_04072020		07-APR-20 14:10	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346008	MW-26_04082020		08-APR-20 13:00	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346009	MW-27_04082020		08-APR-20 14:05	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346010	MW-29_04082020		08-APR-20 09:50	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346011	MW-30_04062020		06-APR-20 11:15	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346012	MW-31_04062020		06-APR-20 13:40	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346013	MW-32_04072020		07-APR-20 12:10	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346014	MW-35_04092020		09-APR-20 08:20	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346015	MW-36_04092020		09-APR-20 09:45	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346016	MW-65_04082020		08-APR-20 15:20	14-APR-20 09:20	-2	1	GROUND WATER		20		1		
509346017	TW4-24_04082020		08-APR-20 13:30	14-APR-20 09:20	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-02_04072020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-05_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-11_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004 MW-12_04092020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005 MW-14_04062020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006 MW-15_04072020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-007 MW-25_04072020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-008 MW-26_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

GEL Laboratories LLC - Login Review Report

-009	MW-27_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-010	MW-29_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-011	MW-30_04062020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-012	MW-31_04062020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-013	MW-32_04072020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-014	MW-35_04092020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-015	MW-36_04092020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-016	MW-65_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha
-017	TW4-24_04082020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha

Product: GFCTORAL **Workdef ID:** 1458614 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 903.0 **Path:** Drinking Water (903.0 or 9315)

Product Description: GFPC, Total Alpha Radium, Liquid **Product Reference:** Gross Alpha

Samples: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017 **Moisture Correction:** "As Received"

Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	No

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources
SDG #: 509346

Product: **GFPC, Total Alpha Radium, Liquid**
Analytical Method: EPA 903.0
Analytical Procedure: GL-RAD-A-044 REV# 10
Analytical Batch: 1990198

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
509346001	MW-02_04072020
509346002	MW-05_04082020
509346003	MW-11_04082020
509346004	MW-12_04092020
509346005	MW-14_04062020
509346006	MW-15_04072020
509346007	MW-25_04072020
509346008	MW-26_04082020
509346009	MW-27_04082020
509346010	MW-29_04082020
509346011	MW-30_04062020
509346012	MW-31_04062020
509346013	MW-32_04072020
509346014	MW-35_04092020
509346015	MW-36_04092020
509346016	MW-65_04082020
509346017	TW4-24_04082020
1204546593	Method Blank (MB)
1204546594	509346012(MW-31_04062020) Sample Duplicate (DUP)
1204546595	509346012(MW-31_04062020) Matrix Spike (MS)
1204546596	509346012(MW-31_04062020) Matrix Spike Duplicate (MSD)
1204546597	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Samples 1204546594 (MW-31_04062020DUP) and 509346012 (MW-31_04062020) were recounted due to high MDCs. The recounts are reported.

Miscellaneous Information

Additional Comments

The matrix spike and matrix spike duplicate, 1204546595 (MW-31_04062020MS) and 1204546596 (MW-31_04062020MSD), aliquots were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 509346 GEL Work Order: 509346

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Spencer Collins**

Date: 05 MAY 2020 **Title: Analyst I**

QC Summary

Report Date: May 5, 2020

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado
Contact: **Ms. Kathy Weinel**

Workorder: **509346**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1990198										
QC1204546594 509346012 DUP										
Gross Radium Alpha		1.07		1.45	pCi/L	30.3		(0% - 100%)	JXK3	05/04/20 14:21
	Uncertainty	+/-0.347		+/-0.401						
QC1204546597 LCS										
Gross Radium Alpha	570			548	pCi/L		96.2	(75%-125%)		04/29/20 13:25
	Uncertainty			+/-7.61						
QC1204546593 MB										
Gross Radium Alpha			U	0.431	pCi/L					04/29/20 13:32
	Uncertainty			+/-0.286						
QC1204546595 509346012 MS										
Gross Radium Alpha	4610	1.07		3580	pCi/L		77.6	(75%-125%)		04/29/20 13:24
	Uncertainty	+/-0.347		+/-57.1						
QC1204546596 509346012 MSD										
Gross Radium Alpha	4610	1.07		3570	pCi/L	0.0818	77.5	(0%-20%)		04/29/20 13:25
	Uncertainty	+/-0.347		+/-54.3						

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M if above MDC and less than LLD

QC Summary

Workorder: 509346

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
e Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than ... times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843 556 8171
F 843 766.1178

gel.com

May 12, 2020

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 509725

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 20, 2020. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Nina Gampe for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 509725

May 12, 2020

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on April 20, 2020 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
509725001	MW-01_04152020
509725002	MW-03A_04132020
509725003	MW-17_04132020
509725004	MW-18_04142020
509725005	MW-19_04132020
509725006	MW-22_04152020
509725007	MW-28_04152020
509725008	MW-39_04152020
509725009	MW-40_04142020
509725010	MW-24A_04142020
509725011	MW-70_04152020

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

Nina Gampe for
Julie Robinson
Project Manager

509725

ENERGY FUELS RESOURCES

CHAIN OF CUSTODY

Samples Shipped to: GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
(843) 556 8171

Contact: Tanner Holliday
Ph: 435 678 2221
tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Q2 Ground Water 2020	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-01_04152020	4/15/2020	1340	Gross Alpha
MW-03A_04132020	4/13/2020	700	Gross Alpha
MW-17_04132020	4/13/2020	1120	Gross Alpha
MW-18_04142020	4/14/2020	1240	Gross Alpha
MW-19_04132020	4/13/2020	1430	Gross Alpha
MW-22_04152020	4/15/2020	1120	Gross Alpha
MW-28_04152020	4/15/2020	1025	Gross Alpha
MW-39_04152020	4/15/2020	1530	Gross Alpha
MW-40_04142020	4/14/2020	1055	Gross Alpha
MW-24A_04142020	4/14/2020	1410	Gross Alpha
MW-70_04152020	4/15/2020	1530	Gross Alpha

Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	4/16/2020 1100		0850 4/20/20
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 509725
Received By: ZKW	**Date Received:** 4/20/20
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 12 9288 3798 3

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): (0) CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Wet Ice Ice Packs Dry ice (None) Other: *all temperatures are recorded in Celsius TEMP: 21C
4	Daily check performed and passed on IR temperature gun?	✓			**Temperature Device Serial #: IR3-18** Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials NRG Date 4/20/20 Page 1 of 1

GL-CHL-SR-001 Rev 6

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 509725 2nd Quarter GW 2020
Client SDG: 509725
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 18-MAY-20
Package Due Date: 16-MAY-20
EDD Due Date: 18-MAY-20
Due Date: 18-MAY-20
NG1

Collector: C
Prelogin #: 20190487484
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
509725001	MW-01_04152020		15-APR-20 13:40	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725002	MW-03A_04132020		13-APR-20 07:00	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725003	MW-17_04132020		13-APR-20 11:20	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725004	MW-18_04142020		14-APR-20 12:40	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725005	MW-19_04132020		13-APR-20 14:30	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725006	MW-22_04152020		15-APR-20 11:20	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725007	MW-28_04152020		15-APR-20 10:25	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725008	MW-39_04152020		15-APR-20 15:30	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725009	MW-40_04142020		14-APR-20 10:55	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725010	MW-24A_04142020		14-APR-20 14:10	20-APR-20 08:50	-2	1	GROUND WATER		20		1		
509725011	MW-70_04152020		15-APR-20 15:30	20-APR-20 08:50	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-01_04152020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-03A_04132020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-17_04132020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004 MW-18_04142020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005 MW-19_04132020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006 MW-22_04152020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-007 MW-28_04152020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-008 MW-39_04152020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-009 MW-40_04142020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-010 MW-24A_04142020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-011 MW-70_04152020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

GEL Laboratories LLC – Login Review Report

Product: GFCTORAL **Workdef ID:** 1458614 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 903.0
Path: Drinking Water (903.0 or 9315)
Product Description: GFPC, Total Alpha Radium, Liquid
Product Reference: Gross Alpha
Samples: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011
Moisture Correction: "As Received"
Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	No

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources
SDG #: 509725

Product: **GFPC, Total Alpha Radium, Liquid**
Analytical Method: EPA 903.0
Analytical Procedure: GL-RAD-A-044 REV# 10
Analytical Batch: 1991400

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
509725001	MW-01_04152020
509725002	MW-03A_04132020
509725003	MW-17_04132020
509725004	MW-18_04142020
509725005	MW-19_04132020
509725006	MW-22_04152020
509725007	MW-28_04152020
509725008	MW-39_04152020
509725009	MW-40_04142020
509725010	MW-24A_04142020
509725011	MW-70_04152020
1204549005	Method Blank (MB)
1204549006	509725005(MW-19_04132020) Sample Duplicate (DUP)
1204549007	509725005(MW-19_04132020) Matrix Spike (MS)
1204549008	509725005(MW-19_04132020) Matrix Spike Duplicate (MSD)
1204549009	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Aliquot Reduced
1204549006 (MW-19_04132020DUP) and 509725005 (MW-19_04132020) aliquots were reduced due to limited sample volume.

Technical Information

Recounts
Samples were recounted to decrease uncertainty. The recounts are reported.

Miscellaneous Information

Additional Comments
The matrix spike and matrix spike duplicate, 1204549007 (MW-19_04132020MS) and 1204549008

(MW-19_04132020MSD), aliquots were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 509725 GEL Work Order: 509725

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Theresa Austin**

Date: 12 MAY 2020 **Title: Group Leader**

QC Summary

Report Date: May 12, 2020

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **509725**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1991400										
QC1204549006 509725005 DUP										
Gross Radium Alpha	U	0.855	U	0.705	pCi/L	N/A		N/A	JXK3	05/06/20 17:13
	Uncertainty	+/-0.207		+/-0.169						
QC1204549009 LCS										
Gross Radium Alpha	570			546	pCi/L		95.8	(75%-125%)		05/06/20 15:01
	Uncertainty			+/-6.26						
QC1204549005 MB										
Gross Radium Alpha			U	0.191	pCi/L					05/06/20 17:13
	Uncertainty			+/-0.0803						
QC1204549007 509725005 MS										
Gross Radium Alpha	4610 U	0.855		3480	pCi/L		75.5	(75%-125%)		05/06/20 15:01
	Uncertainty	+/-0.207		+/-46.1						
QC1204549008 509725005 MSD										
Gross Radium Alpha	4610 U	0.855		3530	pCi/L	1.32	76.5	(0%-20%)		05/06/20 15:01
	Uncertainty	+/-0.207		+/-45.8						

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD

QC Summary

Workorder: 509725

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

May 21, 2020

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 510160

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 27, 2020. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 510160

May 21, 2020

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on April 27, 2020 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
510160001	MW-20_04212020
510160002	MW-23_04212020
510160003	MW-24_04222020
510160004	MW-37_04212020
510160005	MW-38_04222020

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

Julie Robinson
Project Manager

510160

ENERGY FUELS RESOURCES

CHAIN OF CUSTODY

Samples Shipped to: GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
(843) 556 8171

Contact: Tanner Holliday
Ph: 435 678 2221
tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Q2 Ground Water 2020	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-20_04212020	4/21/2020	1345	Gross Alpha
MW-23_04212020	4/21/2020	1230	Gross Alpha
MW-24_04222020	4/22/2020	840	Gross Alpha
MW-37_04212020	4/21/2020	1300	Gross Alpha
MW-38_04222020	4/22/2020	810	Gross Alpha

Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	4/22/2020 1100		4/24/20 8:50
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

JH

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 510160
Received By: JA	**Date Received:** 4/27/20
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 12 9622 0800

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	**Comments/Qualifiers (Required for Non-Conforming Items)**
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Wet Ice Ice Packs Dry ice (None) Other: *all temperatures are recorded in Celsius TEMP: 21°
4	Daily check performed and passed on IR temperature gun?	✓			**Temperature Device Serial #:** IR4-16 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

(SR) (or PMA) review: Initials NRG Date 4/28/20 Page 1 of 1

GEL Laboratories LLC − Login Review Report

GEL Work Order/SDG: 510160 Q2 Ground Water 2020
Client SDG: 510160
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 25−MAY−20
Package Due Date: 23−MAY−20
EDD Due Date: 25−MAY−20
Due Date: 25−MAY−20
SH2

Collector: C
Prelogin #: 20190487484
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
510160001	MW−20_04212020		21−APR−20 13:45	27−APR−20 08:50	−2	1	GROUND WATER		20		1		
510160002	MW−23_04212020		21−APR−20 12:30	27−APR−20 08:50	−2	1	GROUND WATER		20		1		
510160003	MW−24_04222020		22−APR−20 08:40	27−APR−20 08:50	−2	1	GROUND WATER		20		1		
510160004	MW−37_04212020		21−APR−20 13:00	27−APR−20 08:50	−2	1	GROUND WATER		20		1		
510160005	MW−38_04222020		22−APR−20 08:10	27−APR−20 08:50	−2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
−001 MW−20_04212020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
−002 MW−23_04212020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
−003 MW−24_04222020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
−004 MW−37_04212020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
−005 MW−38_04222020	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1458614 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 903.0
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004, 005
Parmname Check: All parmnames scheduled properly
Path: Drinking Water (903.0 or 9315)
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	No

Action	Product Name	Description	Samples

Contingent Tests

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Product: **GFPC, Total Alpha Radium, Liquid**
Analytical Method: EPA 903.0
Analytical Procedure: GL-RAD-A-044 REV# 10
Analytical Batch: 1994445

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
510160001	MW-20_04212020
510160002	MW-23_04212020
510160003	MW-24_04222020
510160004	MW-37_04212020
510160005	MW-38_04222020
1204555429	Method Blank (MB)
1204555430	510160004(MW-37_04212020) Sample Duplicate (DUP)
1204555431	510160004(MW-37_04212020) Matrix Spike (MS)
1204555432	510160004(MW-37_04212020) Matrix Spike Duplicate (MSD)
1204555433	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between MS and MSD
The Matrix Spike and Matrix Spike Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1204555431MS and 1204555432MSD (MW-37_04212020)	Gross Radium Alpha	RPD 36.3* (0%-20%) RER 2.91* (0-2)

Miscellaneous Information

Additional Comments
The matrix spike and matrix spike duplicate, 1204555431 (MW-37_04212020MS) and 1204555432 (MW-37_04212020MSD), aliquots were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 510160 GEL Work Order: 510160

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Theresa Austin**

Date: 14 MAY 2020 **Title: Group Leader**

QC Summary

Report Date: May 13, 2020

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **510160**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1994445										
QC1204555430 510160004 DUP										
Gross Radium Alpha		1.98		1.41	pCi/L	34		(0% - 100%)	JXK3	05/11/20 14:4
	Uncertainty	+/-0.419		+/-0.353						
QC1204555433 LCS										
Gross Radium Alpha	570			608	pCi/L		107	(75%-125%)		05/11/20 14:4
	Uncertainty			+/-7.82						
QC1204555429 MB										
Gross Radium Alpha			U	0.761	pCi/L					05/11/20 14:4
	Uncertainty			+/-0.319						
QC1204555431 510160004 MS										
Gross Radium Alpha	4600	1.98		5080	pCi/L		110	(75%-125%)		05/11/20 14:4
	Uncertainty	+/-0.419		+/-64.9						
QC1204555432 510160004 MSD										
Gross Radium Alpha	4600	1.98		3520	pCi/L	36.3*	76.4	(0%-20%)		05/11/20 14:4
	Uncertainty	+/-0.419		+/-53.5						

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD

QC Summary

Workorder: 510160

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

May 2020

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-001
Client Sample ID: MW-11_05052020
Collection Date: 5/5/2020 1155h
Received Date: 5/8/2020 1245h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	5/10/2020 924h	5/13/2020 1455h	E200.8	0.0100	**0.206**	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-001
Client Sample ID: MW-11_05052020
Collection Date: 5/5/2020 1155h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		5/19/2020 1850h	E300.0	1.00	**39.0**	
Sulfate	mg/L		5/19/2020 1545h	E300.0	75.0	**1,180**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-002
Client Sample ID: MW-14_05052020
Collection Date: 5/5/2020 1450h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		5/19/2020 2227h	E300.0	0.100	< 0.100	
Sulfate	mg/L		5/19/2020 1636h	E300.0	150	**2,150**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-003
Client Sample ID: MW-25_05062020
Collection Date: 5/6/2020 1115h
Received Date: 5/8/2020 1245h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	5/10/2020 924h	5/13/2020 1512h	E200.8	0.000500	**0.00152**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-004
Client Sample ID: MW-26_05062020
Collection Date: 5/6/2020 1230h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/13/2020 1033h	5/14/2020 857h	E350.1	0.0500	**0.542**	
Chloride	mg/L		5/19/2020 1906h	E300.0	1.00	**73.8**	
Nitrate/Nitrite (as N)	mg/L		5/11/2020 1330h	E353.2	0.100	**1.16**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-004A
Client Sample ID: MW-26_05062020
Collection Date: 5/6/2020 1230h
Received Date: 5/8/2020 1245h
Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 5/12/2020 1931h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,200**	~

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,010	1,000	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,020	1,000	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	980	1,000	98.0	72-135	
Surr: Toluene-d8	2037-26-5	1,020	1,000	102	80-124	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 5/12/2020 900h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**1.48**	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.1	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.9	72-135	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	80-124	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-005
Client Sample ID: MW-30_05062020
Collection Date: 5/6/2020 1040h
Received Date: 5/8/2020 1245h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	5/10/2020 924h	5/13/2020 1516h	E200.8	0.00500	**0.0515**	
Uranium	mg/L	5/10/2020 924h	5/13/2020 1533h	E200.8	0.000300	**0.00894**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-005
Client Sample ID: MW-30_05062020
Collection Date: 5/6/2020 1040h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		5/19/2020 1923h	E300.0	2.00	**177**	
Nitrate/Nitrite (as N)	mg/L		5/11/2020 1337h	E353.2	0.200	**18.6**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-006
Client Sample ID: MW-31_05052020
Collection Date: 5/5/2020 1325h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		5/19/2020 1759h	E300.0	10.0	**361**	
Nitrate/Nitrite (as N)	mg/L		5/11/2020 1338h	E353.2	0.200	**20.1**	
Sulfate	mg/L		5/19/2020 1759h	E300.0	75.0	**1,080**	
Total Dissolved Solids	mg/L		5/11/2020 1345h	SM2540C	20.0	**2,330**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-007
Client Sample ID: MW-36_05052020
Collection Date: 5/5/2020 1445h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		5/22/2020 1051h	E300.0	150	**2,480**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-008
Client Sample ID: MW-65_05062020
Collection Date: 5/6/2020 1040h
Received Date: 5/8/2020 1245h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	5/10/2020 924h	5/13/2020 1519h	E200.8	0.00500	**0.0505**	
Uranium	mg/L	5/10/2020 924h	5/13/2020 1537h	E200.8	0.000300	**0.00890**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-008
Client Sample ID: MW-65_05062020
Collection Date: 5/6/2020 1040h
Received Date: 5/8/2020 1245h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		5/19/2020 1940h	E300.0	2.00	**173**	
Nitrate/Nitrite (as N)	mg/L		5/11/2020 1419h	E353.2	0.200	**18.7**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Sample ID: 2005178-009A
Client Sample ID: Trip Blank
Collection Date: 5/6/2020 1230h
Received Date: 5/8/2020 1245h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 5/12/2020 920h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.8	50.00	99.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.5	50.00	97.0	72-135	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	80-124	

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Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: May Ground Water 2020

Dear Tanner Holliday: Lab Set ID: 2005178

American West Analytical Laboratories received sample(s) on 5/8/2020 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2020.05.29 07:37:47 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: May Ground Water 2020
Lab Set ID: 2005178
Date Received: 5/8/2020 1245h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2005178-001A	MW-11_05052020	5/5/2020	1155h	Aqueous	Anions, E300.0
2005178-001B	MW-11_05052020	5/5/2020	1155h	Aqueous	ICPMS Metals, Dissolved
2005178-002A	MW-14_05052020	5/5/2020	1450h	Aqueous	Anions, E300.0
2005178-003A	MW-25_05062020	5/6/2020	1115h	Aqueous	ICPMS Metals, Dissolved
2005178-004A	MW-26_05062020	5/6/2020	1230h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005178-004B	MW-26_05062020	5/6/2020	1230h	Aqueous	Anions, E300.0
2005178-004C	MW-26_05062020	5/6/2020	1230h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005178-004C	MW-26_05062020	5/6/2020	1230h	Aqueous	Ammonia, Aqueous
2005178-005A	MW-30_05062020	5/6/2020	1040h	Aqueous	Anions, E300.0
2005178-005B	MW-30_05062020	5/6/2020	1040h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005178-005C	MW-30_05062020	5/6/2020	1040h	Aqueous	ICPMS Metals, Dissolved
2005178-006A	MW-31_05052020	5/5/2020	1325h	Aqueous	Anions, E300.0
2005178-006B	MW-31_05052020	5/5/2020	1325h	Aqueous	Total Dissolved Solids, A2540C
2005178-006C	MW-31_05052020	5/5/2020	1325h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005178-007A	MW-36_05052020	5/5/2020	1445h	Aqueous	Anions, E300.0
2005178-008A	MW-65_05062020	5/6/2020	1040h	Aqueous	Anions, E300.0
2005178-008B	MW-65_05062020	5/6/2020	1040h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005178-008C	MW-65_05062020	5/6/2020	1040h	Aqueous	ICPMS Metals, Dissolved
2005178-009A	Trip Blank	5/6/2020	1230h	Aqueous	VOA by GC/MS Method 8260D/5030C

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Jose Rocha
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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	May Ground Water 2020
Lab Set ID:	2005178

Sample Receipt Information:

Date of Receipt:	5/8/2020
Date(s) of Collection:	5/5-5/6/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	May Ground Water 2020
Lab Set ID:	2005178

Sample Receipt Information:

Date of Receipt:	5/8/2020
Date(s) of Collection:	5/5-5/6/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260D/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met, with CCV exceptions noted on the reports. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-69734	Date Analyzed:	05/13/2020 1451h											
Test Code: 200.8-DIS	Date Prepared:	05/10/2020 924h											
Cadmium	0.196	mg/L	E200.8	0.0000742	0.000500	0.2000	0	98.0	85 - 115				
Manganese	0.197	mg/L	E200.8	0.000766	0.00200	0.2000	0	98.6	85 - 115				
Selenium	0.187	mg/L	E200.8	0.000508	0.00200	0.2000	0	93.7	85 - 115				
Uranium	0.191	mg/L	E200.8	0.000176	0.00200	0.2000	0	95.5	85 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-69734	Date Analyzed:	05/13/2020 1448h											
Test Code: 200.8-DIS	Date Prepared:	05/10/2020 924h											
Cadmium	< 0.0000500	mg/L	E200.8	0.00000742	0.0000500								
Manganese	< 0.000200	mg/L	E200.8	0.0000766	0.000200								
Selenium	< 0.000200	mg/L	E200.8	0.0000508	0.000200								
Uranium	< 0.000200	mg/L	E200.8	0.0000176	0.000200								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-001BMS	Date Analyzed:	05/13/2020 1505h											
Test Code: 200.8-DIS	Date Prepared:	05/10/2020 924h											
Cadmium	0.193	mg/L	E200.8	0.0000742	0.000500	0.2000	0.000157	96.5	75 - 125				
Manganese	0.398	mg/L	E200.8	0.000766	0.00200	0.2000	0.206	96.0	75 - 125				
Selenium	0.189	mg/L	E200.8	0.000508	0.00200	0.2000	0.00205	93.7	75 - 125				
Uranium	0.196	mg/L	E200.8	0.000176	0.00200	0.2000	0.00114	97.4	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-001BMSD	Date Analyzed:	05/13/2020 1509h											
Test Code: 200.8-DIS	Date Prepared:	05/10/2020 924h											
Cadmium	0.195	mg/L	E200.8	0.0000742	0.000500	0.2000	0.000157	97.2	75 - 125	0.193	0.749	20	
Manganese	0.402	mg/L	E200.8	0.000766	0.00200	0.2000	0.206	97.7	75 - 125	0.398	0.876	20	
Selenium	0.192	mg/L	E200.8	0.000508	0.00200	0.2000	0.00205	95.2	75 - 125	0.189	1.54	20	
Uranium	0.197	mg/L	E200.8	0.000176	0.00200	0.2000	0.00114	97.7	75 - 125	0.196	0.268	20	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-006BDUP Date Analyzed: 05/11/2020 1345h Test Code: TDS-W-2540C													
Total Dissolved Solids	2,370	mg/L	SM2540C	16.0	20.0					2330	1.87	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R139001 Date Analyzed: 05/19/2020 1422h													
Test Code: 300.0-W													
Chloride	5.03	mg/L	E300.0	0.0565	0.100	5.000	0	101	90 - 110				
Fluoride	5.15	mg/L	E300.0	0.0240	0.100	5.000	0	103	90 - 110				
Sulfate	5.25	mg/L	E300.0	0.136	0.750	5.000	0	105	90 - 110				
Lab Sample ID: LCS-R139212 Date Analyzed: 05/22/2020 1034h													
Test Code: 300.0-W													
Sulfate	5.40	mg/L	E300.0	0.136	0.750	5.000	0	108	90 - 110				
Lab Sample ID: LCS-69796 Date Analyzed: 05/14/2020 838h													
Test Code: NH3-W-350.1 Date Prepared: 05/13/2020 1033h													
Ammonia (as N)	2.03	mg/L	E350.1	0.0473	0.0500	2.000	0	102	90 - 110				
Lab Sample ID: LCS-R138664 Date Analyzed: 05/11/2020 1304h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.02	mg/L	E353.2	0.00494	0.0100	1.000	0	102	90 - 110				
Lab Sample ID: LCS-R138707 Date Analyzed: 05/11/2020 1345h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	184	mg/L	SM2540C	8.00	10.0	205.0	0	89.8	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R139001	Date Analyzed:	05/19/2020 1405h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R139212	Date Analyzed:	05/22/2020 1017h											
Test Code: 300.0-W													
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-69796	Date Analyzed:	05/14/2020 837h											
Test Code: NH3-W-350.1	Date Prepared:	05/13/2020 1033h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0473	0.0500								
Lab Sample ID: MB-R138664	Date Analyzed:	05/11/2020 1303h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								
Lab Sample ID: MB-R138707	Date Analyzed:	05/11/2020 1345h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-001AMS Date Analyzed: 05/19/2020 1602h													
Test Code: 300.0-W													
Chloride	1,040	mg/L	E300.0	11.3	20.0	1,000	39	99.9	90 - 110				
Fluoride	1,020	mg/L	E300.0	4.80	20.0	1,000	0	102	90 - 110				
Sulfate	2,210	mg/L	E300.0	27.2	150	1,000	1180	103	90 - 110				
Lab Sample ID: 2005178-006AMS Date Analyzed: 05/19/2020 1816h													
Test Code: 300.0-W													
Chloride	1,360	mg/L	E300.0	11.3	20.0	1,000	361	99.7	90 - 110				
Fluoride	1,010	mg/L	E300.0	4.80	20.0	1,000	0	101	90 - 110				
Sulfate	2,100	mg/L	E300.0	27.2	150	1,000	1080	102	90 - 110				
Lab Sample ID: 2005178-007AMS Date Analyzed: 05/22/2020 1107h													
Test Code: 300.0-W													
Sulfate	3,520	mg/L	E300.0	27.2	150	1,000	2480	104	90 - 110				
Lab Sample ID: 2005178-004CMS Date Analyzed: 05/14/2020 903h													
Test Code: NH3-W-350.1 Date Prepared: 05/13/2020 1033h													
Ammonia (as N)	2.71	mg/L	E350.1	0.0473	0.0500	2.000	0.542	109	90 - 110				
Lab Sample ID: 2005178-004CMS Date Analyzed: 05/11/2020 1335h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	6.48	mg/L	E353.2	0.0247	0.0500	5.000	1.16	106	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-001AMSD Date Analyzed: 05/19/2020 1619h													
Test Code: 300.0-W													
Chloride	1,040	mg/L	E300.0	11.3	20.0	1,000	39	99.8	90 - 110	1040	0.106	20	
Fluoride	1,010	mg/L	E300.0	4.80	20.0	1,000	0	101	90 - 110	1020	1.05	20	
Sulfate	2,200	mg/L	E300.0	27.2	150	1,000	1180	102	90 - 110	2210	0.217	20	
Lab Sample ID: 2005178-006AMSD Date Analyzed: 05/19/2020 1833h													
Test Code: 300.0-W													
Chloride	1,340	mg/L	E300.0	11.3	20.0	1,000	361	98.2	90 - 110	1360	1.05	20	
Fluoride	1,010	mg/L	E300.0	4.80	20.0	1,000	0	101	90 - 110	1010	0.154	20	
Sulfate	2,100	mg/L	E300.0	27.2	150	1,000	1080	102	90 - 110	2100	0.204	20	
Lab Sample ID: 2005178-007AMSD Date Analyzed: 05/22/2020 1124h													
Test Code: 300.0-W													
Sulfate	3,560	mg/L	E300.0	27.2	150	1,000	2480	108	90 - 110	3520	1.18	20	
Lab Sample ID: 2005178-004CMSD Date Analyzed: 05/14/2020 903h													
Test Code: NH3-W-350.1 Date Prepared: 05/13/2020 1033h													
Ammonia (as N)	2.66	mg/L	E350.1	0.0473	0.0500	2.000	0.542	106	90 - 110	2.71	2.16	10	
Lab Sample ID: 2005178-004CMSD Date Analyzed: 05/11/2020 1336h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	6.50	mg/L	E353.2	0.0247	0.0500	5.000	1.16	107	90 - 110	6.48	0.216	10	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-1 051220A Date Analyzed: 05/12/2020 750h													
Test Code: 8260D-W-DEN100													
Chloroform	19.5	µg/L	SW8260D	0.166	1.00	20.00	0	97.5	83 - 119				
Methylene chloride	19.2	µg/L	SW8260D	0.381	1.00	20.00	0	96.1	65 - 154				
Surr: 1,2-Dichloroethane-d4	49.4	µg/L	SW8260D			50.00		98.8	80 - 136				
Surr: 4-Bromofluorobenzene	52.1	µg/L	SW8260D			50.00		104	85 - 121				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260D			50.00		99.3	78 - 132				
Surr: Toluene-d8	50.9	µg/L	SW8260D			50.00		102	81 - 123				
Lab Sample ID: LCS VOC-1 051220B Date Analyzed: 05/12/2020 1830h													
Test Code: 8260D-W-DEN100													
Chloroform	22.0	µg/L	SW8260D	0.166	1.00	20.00	0	110	83 - 119				
Surr: 1,2-Dichloroethane-d4	49.4	µg/L	SW8260D			50.00		98.9	80 - 136				
Surr: 4-Bromofluorobenzene	51.6	µg/L	SW8260D			50.00		103	85 - 121				
Surr: Dibromofluoromethane	48.6	µg/L	SW8260D			50.00		97.2	78 - 132				
Surr: Toluene-d8	50.9	µg/L	SW8260D			50.00		102	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-1 051220A Date Analyzed: 05/12/2020 1203h													
Test Code: 8260D-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	49.6	µg/L	SW8260D			50.00		99.2	80 - 136				
Surr: 4-Bromofluorobenzene	52.2	µg/L	SW8260D			50.00		104	85 - 121				
Surr: Dibromofluoromethane	49.2	µg/L	SW8260D			50.00		98.3	78 - 132				
Surr: Toluene-d8	51.0	µg/L	SW8260D			50.00		102	81 - 123				
Lab Sample ID: MB VOC-1 051220B Date Analyzed: 05/12/2020 1911h													
Test Code: 8260D-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Surr: 1,2-Dichloroethane-d4	49.8	µg/L	SW8260D			50.00		99.5	80 - 136				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260D			50.00		105	85 - 121				
Surr: Dibromofluoromethane	48.1	µg/L	SW8260D			50.00		96.3	78 - 132				
Surr: Toluene-d8	50.8	µg/L	SW8260D			50.00		102	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-004AMS Date Analyzed: 05/12/2020 1952h Test Code: 8260D-W-DEN100													
Chloroform	1,650	µg/L	SW8260D	3.32	20.0	400.0	1200	112	83 - 119				
Surr: 1,2-Dichloroethane-d4	985	µg/L	SW8260D			1,000		98.5	80 - 136				
Surr: 4-Bromofluorobenzene	1,010	µg/L	SW8260D			1,000		101	85 - 121				
Surr: Dibromofluoromethane	959	µg/L	SW8260D			1,000		95.9	78 - 132				
Surr: Toluene-d8	1,020	µg/L	SW8260D			1,000		102	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005178
Project: May Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2005178-004AMSD Date Analyzed: 05/12/2020 2012h Test Code: 8260D-W-DEN100													
Chloroform	1,560	µg/L	SW8260D	3.32	20.0	400.0	1200	89.0	83 - 119	1650	5.72	35	
Surr: 1,2-Dichloroethane-d4	983	µg/L	SW8260D			1,000		98.3	80 - 136				
Surr: 4-Bromofluorobenzene	1,030	µg/L	SW8260D			1,000		103	85 - 121				
Surr: Dibromofluoromethane	969	µg/L	SW8260D			1,000		96.9	78 - 132				
Surr: Toluene-d8	1,020	µg/L	SW8260D			1,000		102	81 - 123				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **2005178**

Client: Energy Fuels Resources, Inc. Due Date: 5/22/2020

Client ID: ENE300 **Contact:** Tanner Holliday

Project: **May Ground Water 2020** **QC Level:** III WO Type: Project

Comments: QC 3 Samples were field filtered for metals. (no chromatograms). EDD-Denison. Email Group; (USE PROJECT for special DLs). Do not use "*R_" samples as MS/MSD.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2005178-001A	**MW-11_05052020**	5/5/2020 1155h	5/8/2020 1245h	**300.0-W**	Aqueous	☑	df - wc	1
				2 SEL Analytes: CL SO4				
2005178-001B				**200.8-DIS**		☑	df-met	
				1 SEL Analytes: MN				
				200.8-DIS-PR		☑	df-met	
2005178-002A	**MW-14_05052020**	5/5/2020 1450h	5/8/2020 1245h	**300.0-W**	Aqueous	☑	df - wc	1
				2 SEL Analytes: F SO4				
2005178-003A	**MW-25_05062020**	5/6/2020 1115h	5/8/2020 1245h	**200.8-DIS**	Aqueous	☑	df-met	1
				1 SEL Analytes: CD				
				200.8-DIS-PR		☑	df-met	
2005178-004A	**MW-26_05062020**	5/6/2020 1230h	5/8/2020 1245h	**8260D-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 2 / # of Surr: 4				
2005178-004B				**300.0-W**		☑	df - wc	1
				1 SEL Analytes: CL				
2005178-004C				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2005178-005A	**MW-30_05062020**	5/6/2020 1040h	5/8/2020 1245h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
2005178-005B				**NO2/NO3-W-353.2**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2005178-005C				**200.8-DIS**		☑	df-met	
				2 SEL Analytes: SE U				
				200.8-DIS-PR		☑	df-met	
2005178-006A	**MW-31_05052020**	5/5/2020 1325h	5/8/2020 1245h	**300.0-W**	Aqueous	☑	df - wc	1
				2 SEL Analytes: CL SO4				

WORK ORDER Summary

Work Order: **2005178**

Client: Energy Fuels Resources, Inc.

Due Date: 5/22/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2005178-006B	**MW-31_05052020**	5/5/2020 1325h	5/8/2020 1245h	**TDS-W-2540C**	Aqueous	✔	df - tds	1
				1 SEL Analytes: TDS				
2005178-006C				**NO2/NO3-W-353.2**		✔	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2005178-007A	**MW-36_05052020**	5/5/2020 1445h	5/8/2020 1245h	**300.0-W**	Aqueous	✔	df - wc	1
				1 SEL Analytes: SO4				
2005178-008A	**MW-65_05062020**	5/6/2020 1040h	5/8/2020 1245h	**300.0-W**	Aqueous	✔	df - wc	1
				1 SEL Analytes: CL				
2005178-008B				**NO2/NO3-W-353.2**		✔	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
2005178-008C				**200.8-DIS**		✔	df-met	
				2 SEL Analytes: SE U				
				200.8-DIS-PR		✔	df-met	
2005178-009A	**Trip Blank**	5/6/2020 1230h	5/8/2020 1245h	**8260D-W-DEN100**	Aqueous	✔	VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 2 / # of Surr: 4				

AWAL Use Only - Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	.24

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

2005178
AWAL Lab Sample Set #
Page 1 of 1

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		5/22/20

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Tanner Holliday**
Phone #: **(435) 678-2221** Cell #:
Email: **tholliday@energyfuels.com; kweinel@energyfuels.com;**
Project Name: **May Ground Water 2020**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Fluoride (A4500-F C or 300.0)	SO_4 (4500 or 300.0)	Ammonia as N (350.1)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_05052020	5/5/2020	1155	2	W		X	X						X			
2	MW-14_05052020	5/5/2020	1450	1	W								X	X			
3	MW-25_05062020	5/6/2020	1115	1	W						X						
4	MW-26_05062020	5/6/2020	1230	5	W	X		X							X	X	
5	MW-30_05062020	5/6/2020	1040	3	W	X		X		X		X					
6	MW-31_05052020	5/5/2020	1325	3	WW	X		X	X					X			
7	MW-36_05052020	5/5/2020	1445	1	W									X			
8	MW-65_05062020	5/6/2020	1040	3	W	X		X		X		X					
9	Trip Blank	5/6/2020	1230	3	W											X	
10																	
11																	
12																	
13																	

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered (UPS)
2 Ambient or Chilled
3 Temperature 0.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times (Y) N

1 Present on Outer Package Y (N) NA
2 Unbroken on Outer Package Y N (NA)
3 Present on Sample Y (N) NA
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name: Tanner Holliday	5/7/2020	1100	Print Name:		
Relinquished by: Signature: Tanner Holliday	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date: 5/8/20	Time: 1245
Print Name:			Print Name: Aimee Rust		

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1005178

pH Lot #: 6299

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	3	4	5	6	8												
Ammonia	pH <2 H_2SO_4			Yes			•												
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes		Yes		Yes												
NO_2/NO_3	pH <2 H_2SO_4			Yes	Yes	Yes	Yes												
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		
Cr VI+	pH >9 $(NH_4)_2SO_4$																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

June 2020

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-001
Client Sample ID: MW-11_06022020
Collection Date: 6/2/2020 1145h
Received Date: 6/5/2020 1230h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	6/14/2020 1109h	6/15/2020 1543h	E200.8	0.0100	**0.211**	

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Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-001
Client Sample ID: MW-11_06022020
Collection Date: 6/2/2020 1145h
Received Date: 6/5/2020 1230h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/11/2020 2155h	E300.0	1.00	**40.1**	
Sulfate	mg/L		6/11/2020 2031h	E300.0	150	**1,310**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-002
Client Sample ID: MW-14_06022020
Collection Date: 6/2/2020 1505h
Received Date: 6/5/2020 1230h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		6/11/2020 2212h	E300.0	0.100	< 0.100	
Sulfate	mg/L		6/11/2020 2048h	E300.0	150	**2,260**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-003
Client Sample ID: MW-25_06032020
Collection Date: 6/3/2020 1105h
Received Date: 6/5/2020 1230h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	6/14/2020 1109h	6/15/2020 1439h	E200.8	0.000500	**0.00146**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-004
Client Sample ID: MW-26_06032020
Collection Date: 6/3/2020 1345h
Received Date: 6/5/2020 1230h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	6/10/2020 1654h	6/14/2020 1427h	E350.1	0.0500	**0.143**	
Chloride	mg/L		6/11/2020 2228h	E300.0	1.00	**63.7**	
Nitrate/Nitrite (as N)	mg/L		6/11/2020 1655h	E353.2	0.100	**3.44**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-004C
Client Sample ID: MW-26_06032020
Collection Date: 6/3/2020 1345h
Received Date: 6/5/2020 1230h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/8/2020 1215h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,530**	~[2]

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,050	1,000	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,030	1,000	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	920	1,000	92.0	72-135	
Surr: Toluene-d8	2037-26-5	1,030	1,000	103	80-124	

[2] - *Analyte concentration is too high for accurate matrix spike recovery.*
~ - *The reporting limits were raised due to high analyte concentrations.*

Analyzed: 6/8/2020 931h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**2.35**	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.0	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.7	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.8	50.00	95.5	72-135	
Surr: Toluene-d8	2037-26-5	52.4	50.00	105	80-124	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-005
Client Sample ID: MW-30_06032020
Collection Date: 6/3/2020 1045h
Received Date: 6/5/2020 1230h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	6/14/2020 1109h	6/15/2020 1443h	E200.8	0.00500	**0.0505**	
Uranium	mg/L	6/14/2020 1109h	6/15/2020 1517h	E200.8	0.000300	**0.00928**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-005
Client Sample ID: MW-30_06032020
Collection Date: 6/3/2020 1045h
Received Date: 6/5/2020 1230h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/11/2020 2245h	E300.0	2.00	**180**	
Nitrate/Nitrite (as N)	mg/L		6/11/2020 1659h	E353.2	0.200	**18.3**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-006
Client Sample ID: MW-31_06022020
Collection Date: 6/2/2020 1310h
Received Date: 6/5/2020 1230h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/12/2020 2115h	E300.0	10.0	**377**	
Nitrate/Nitrite (as N)	mg/L		6/11/2020 1700h	E353.2	0.200	**18.7**	
Sulfate	mg/L		6/12/2020 2115h	E300.0	75.0	**1,130**	
Total Dissolved Solids	mg/L		6/8/2020 1310h	SM2540C	20.0	**2,440**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-007
Client Sample ID: MW-36_06022020
Collection Date: 6/2/2020 1435h
Received Date: 6/5/2020 1230h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		6/11/2020 1851h	E300.0	150	**2,770**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-008
Client Sample ID: MW-65_06032020
Collection Date: 6/3/2020 1105h
Received Date: 6/5/2020 1230h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	6/14/2020 1109h	6/15/2020 1446h	E200.8	0.000500	**0.00154**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Sample ID: 2006183-009A
Client Sample ID: Trip Blank
Collection Date: 6/3/2020 1345h
Received Date: 6/5/2020 1230h

Test Code: 8260D-W-DEN100

Analytical Results VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/8/2020 911h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate (Units: µg/L)	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.4	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.6	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.4	50.00	94.8	72-135	
Surr: Toluene-d8	2037-26-5	52.6	50.00	105	80-124	

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Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: June Ground Water 2020

Dear Tanner Holliday: Lab Set ID: 2006183

American West Analytical Laboratories received sample(s) on 6/5/2020 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha Digitally signed by Jose G. Rocha Date: 2020.06.22 13:43:43 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: June Ground Water 2020
Lab Set ID: 2006183
Date Received: 6/5/2020 1230h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
2006183-001A	MW-11_06022020	6/2/2020	1145h	Aqueous	Anions, E300.0
2006183-001B	MW-11_06022020	6/2/2020	1145h	Aqueous	ICPMS Metals, Dissolved
2006183-002A	MW-14_06022020	6/2/2020	1505h	Aqueous	Anions, E300.0
2006183-003A	MW-25_06032020	6/3/2020	1105h	Aqueous	ICPMS Metals, Dissolved
2006183-004A	MW-26_06032020	6/3/2020	1345h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006183-004A	MW-26_06032020	6/3/2020	1345h	Aqueous	Ammonia, Aqueous
2006183-004B	MW-26_06032020	6/3/2020	1345h	Aqueous	Anions, E300.0
2006183-004C	MW-26_06032020	6/3/2020	1345h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006183-005A	MW-30_06032020	6/3/2020	1045h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006183-005B	MW-30_06032020	6/3/2020	1045h	Aqueous	Anions, E300.0
2006183-005C	MW-30_06032020	6/3/2020	1045h	Aqueous	ICPMS Metals, Dissolved
2006183-006A	MW-31_06022020	6/2/2020	1310h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006183-006B	MW-31_06022020	6/2/2020	1310h	Aqueous	Anions, E300.0
2006183-006C	MW-31_06022020	6/2/2020	1310h	Aqueous	Total Dissolved Solids, A2540C
2006183-007A	MW-36_06022020	6/2/2020	1435h	Aqueous	Anions, E300.0
2006183-008A	MW-65_06032020	6/3/2020	1105h	Aqueous	ICPMS Metals, Dissolved
2006183-009A	Trip Blank	6/3/2020	1345h	Aqueous	VOA by GC/MS Method 8260D/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	2nd Quarter Chloroform 2020
Lab Set ID:	2006183

Sample Receipt Information:

Date of Receipt:	6/5/2020
Date(s) of Collection:	6/2-6/3/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Tanner Holliday
Project:	2nd Quarter Chloroform 2020
Lab Set ID:	2006183

Sample Receipt Information:

Date of Receipt:	6/5/2020
Date(s) of Collection:	6/2-6/3/2020
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260D/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: the MS and MSD percent recoveries for Chloroform on sample 2006183-004C were outside of the control limits due to high analyte concentration.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-70437	Date Analyzed:	06/15/2020 1336h											
Test Code: 200.8-DIS	Date Prepared:	06/14/2020 1109h											
Cadmium	0.195	mg/L	E200.8	0.0000742	0.000500	0.2000	0	97.5	85 - 115				
Manganese	0.196	mg/L	E200.8	0.000766	0.00200	0.2000	0	97.9	85 - 115				
Selenium	0.195	mg/L	E200.8	0.000508	0.00200	0.2000	0	97.5	85 - 115				
Uranium	0.192	mg/L	E200.8	0.000176	0.00200	0.2000	0	96.1	85 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-70437**	Date Analyzed:	06/15/2020 1333h											
Test Code:	200.8-DIS	Date Prepared:	06/14/2020 1109h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000742	0.000500								
Manganese		< 0.00200	mg/L	E200.8	0.000766	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.000508	0.00200								
Lab Sample ID:	**MB-70437**	Date Analyzed:	06/15/2020 1500h											
Test Code:	200.8-DIS	Date Prepared:	06/14/2020 1109h											
Uranium		< 0.000200	mg/L	E200.8	0.0000176	0.000200								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-001BMS	Date Analyzed:	06/15/2020 1547h											
Test Code: 200.8-DIS	Date Prepared:	06/14/2020 1109h											
Cadmium	0.190	mg/L	E200.8	0.0000742	0.000500	0.2000	0.000124	95.0	75 - 125				
Manganese	0.399	mg/L	E200.8	0.000766	0.00200	0.2000	0.211	93.6	75 - 125				
Selenium	0.184	mg/L	E200.8	0.000508	0.00200	0.2000	0.00209	90.9	75 - 125				
Uranium	0.192	mg/L	E200.8	0.000176	0.00200	0.2000	0.00119	95.5	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-001BMSD	Date Analyzed:	06/15/2020 1550h											
Test Code: 200.8-DIS	Date Prepared:	06/14/2020 1109h											
Cadmium	0.193	mg/L	E200.8	0.0000742	0.000500	0.2000	0.000124	96.6	75 - 125	0.19	1.67	20	
Manganese	0.397	mg/L	E200.8	0.000766	0.00200	0.2000	0.211	92.7	75 - 125	0.399	0.453	20	
Selenium	0.191	mg/L	E200.8	0.000508	0.00200	0.2000	0.00209	94.4	75 - 125	0.184	3.65	20	
Uranium	0.193	mg/L	E200.8	0.000176	0.00200	0.2000	0.00119	96.0	75 - 125	0.192	0.513	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-006CDUP Date Analyzed: 06/08/2020 1310h Test Code: TDS-W-2540C													
Total Dissolved Solids	2,460	mg/L	SM2540C	16.0	20.0					2440	0.980	5	

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R139730	Date Analyzed:	06/11/2020 1045h											
Test Code: 300.0-W													
Chloride	5.11	mg/L	E300.0	0.0565	0.100	5.000	0	102	90 - 110				
Fluoride	5.21	mg/L	E300.0	0.0240	0.100	5.000	0	104	90 - 110				
Sulfate	5.36	mg/L	E300.0	0.136	0.750	5.000	0	107	90 - 110				
Lab Sample ID: LCS-R139816	Date Analyzed:	06/12/2020 1524h											
Test Code: 300.0-W													
Chloride	5.12	mg/L	E300.0	0.0565	0.100	5.000	0	102	90 - 110				
Sulfate	5.06	mg/L	E300.0	0.136	0.750	5.000	0	101	90 - 110				
Lab Sample ID: LCS-70366	Date Analyzed:	06/14/2020 1426h											
Test Code: NH3-W-350.1	Date Prepared:	06/10/2020 1654h											
Ammonia (as N)	1.86	mg/L	E350.1	0.0473	0.0500	2.000	0	93.0	90 - 110				
Lab Sample ID: LCS-R139736	Date Analyzed:	06/11/2020 1625h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00494	0.0100	1.000	0	101	90 - 110				
Lab Sample ID: LCS-R139612	Date Analyzed:	06/08/2020 1310h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	188	mg/L	SM2540C	8.00	10.0	205.0	0	91.7	80 - 120				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: LCSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCSD-R139612 Date Analyzed: 06/08/2020 1310h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	222	mg/L	SM2540C	8.00	10.0	205.0	0	108	80 - 120	188	16.6	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R139730	Date Analyzed:	06/11/2020 1101h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0240	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-R139816	Date Analyzed:	06/12/2020 1507h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.136	0.750								
Lab Sample ID: MB-70366	Date Analyzed:	06/14/2020 1426h											
Test Code: NH3-W-350.1	Date Prepared:	06/10/2020 1654h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0473	0.0500								
Lab Sample ID: MB-R139736	Date Analyzed:	06/11/2020 1624h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								
Lab Sample ID: MB-R139612	Date Analyzed:	06/08/2020 1310h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.00	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-006BMS	Date Analyzed:	06/12/2020 2132h											
Test Code: 300.0-W													
Chloride	1,390	mg/L	E300.0	11.3	20.0	1,000	377	102	90 - 110				
Sulfate	2,170	mg/L	E300.0	27.2	150	1,000	1130	104	90 - 110				
Lab Sample ID: 2006183-004AMS	Date Analyzed:	06/14/2020 1428h											
Test Code: NH3-W-350.1	Date Prepared:	06/10/2020 1654h											
Ammonia (as N)	2.03	mg/L	E350.1	0.0473	0.0500	2.000	0.143	94.4	90 - 110				
Lab Sample ID: 2006182-001AMS	Date Analyzed:	06/11/2020 1653h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00494	0.0100	1.000	0.0104	102	90 - 110				
Lab Sample ID: 2006183-004AMS	Date Analyzed:	06/11/2020 1657h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	8.40	mg/L	E353.2	0.0247	0.0500	5.000	3.44	99.2	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-006BMSD Date Analyzed: 06/12/2020 2149h													
Test Code: 300.0-W													
Chloride	1,390	mg/L	E300.0	11.3	20.0	1,000	377	101	90 - 110	1390	0.0163	20	
Sulfate	2,160	mg/L	E300.0	27.2	150	1,000	1130	103	90 - 110	2170	0.652	20	
Lab Sample ID: 2006183-004AMSD Date Analyzed: 06/14/2020 1436h													
Test Code: NH3-W-350.1 Date Prepared: 06/10/2020 1654h													
Ammonia (as N)	1.94	mg/L	E350.1	0.0473	0.0500	2.000	0.143	90.0	90 - 110	2.03	4.43	10	
Lab Sample ID: 2006182-001AMSD Date Analyzed: 06/11/2020 1654h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00494	0.0100	1.000	0.0104	103	90 - 110	1.03	1.06	10	
Lab Sample ID: 2006183-004AMSD Date Analyzed: 06/11/2020 1658h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	8.46	mg/L	E353.2	0.0247	0.0500	5.000	3.44	100	90 - 110	8.4	0.688	10	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-1 060820A Date Analyzed: 06/08/2020 830h													
Test Code: 8260D-W-DEN100													
Chloroform	20.8	µg/L	SW8260D	0.166	1.00	20.00	0	104	83 - 119				
Methylene chloride	20.4	µg/L	SW8260D	0.381	1.00	20.00	0	102	65 - 154				
Surr: 1,2-Dichloroethane-d4	51.6	µg/L	SW8260D			50.00		103	80 - 136				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260D			50.00		102	85 - 121				
Surr: Dibromofluoromethane	47.4	µg/L	SW8260D			50.00		94.8	78 - 132				
Surr: Toluene-d8	52.5	µg/L	SW8260D			50.00		105	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-1 060820A Date Analyzed: 06/08/2020 850h													
Test Code: 8260D-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	51.4	µg/L	SW8260D			50.00		103	80 - 136				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260D			50.00		102	85 - 121				
Surr: Dibromofluoromethane	46.4	µg/L	SW8260D			50.00		92.9	78 - 132				
Surr: Toluene-d8	51.6	µg/L	SW8260D			50.00		103	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-004CMS Date Analyzed: 06/08/2020 1235h													
Test Code: 8260D-W-DEN100													
Chloroform	1,850	µg/L	SW8260D	3.32	20.0	400.0	1530	80.3	83 - 119				2
Methylene chloride	376	µg/L	SW8260D	7.62	20.0	400.0	2.35	93.4	65 - 154				
Surr: 1,2-Dichloroethane-d4	1,040	µg/L	SW8260D			1,000		104	80 - 136				
Surr: 4-Bromofluorobenzene	1,020	µg/L	SW8260D			1,000		102	85 - 121				
Surr: Dibromofluoromethane	912	µg/L	SW8260D			1,000		91.2	78 - 132				
Surr: Toluene-d8	1,050	µg/L	SW8260D			1,000		105	81 - 123				

[2] - Analyte concentration is too high for accurate matrix spike recovery.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006183
Project: June Ground Water 2020

Contact: Tanner Holliday
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 2006183-004CMSD Date Analyzed: 06/08/2020 1255h													
Test Code: 8260D-W-DEN100													
Chloroform	1,790	µg/L	SW8260D	3.32	20.0	400.0	1530	64.6	83 - 119	1850	3.44	35	2
Methylene chloride	358	µg/L	SW8260D	7.62	20.0	400.0	2.35	89.0	65 - 154	376	4.79	35	
Surr: 1,2-Dichloroethane-d4	1,030	µg/L	SW8260D			1,000		103	80 - 136				
Surr: 4-Bromofluorobenzene	1,010	µg/L	SW8260D			1,000		101	85 - 121				
Surr: Dibromofluoromethane	903	µg/L	SW8260D			1,000		90.3	78 - 132				
Surr: Toluene-d8	1,050	µg/L	SW8260D			1,000		105	81 - 123				

[2] - *Analyte concentration is too high for accurate matrix spike recovery.*

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **2006183**

Client: Energy Fuels Resources, Inc. Due Date: 6/19/2020

Client ID: ENE300 **Contact:** Tanner Holliday

Project: **June Ground Water 2020** **QC Level:** III WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. Email Group; (USE PROJECT for special DLs). Do not use "*R_" samples as MS/MSD.; DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006183-001A	**MW-11_06022020**	6/2/2020 1145h	6/5/2020 1230h	**300.0-W**	Aqueous		df - wc	1
				2 SEL Analytes: CL SO4				
2006183-001B				**200.8-DIS**			df - dis met	
				1 SEL Analytes: MN				
				200.8-DIS-PR			df - dis met	
2006183-002A	**MW-14_06022020**	6/2/2020 1505h	6/5/2020 1230h	**300.0-W**	Aqueous		df - wc	1
				2 SEL Analytes: F SO4				
2006183-003A	**MW-25_06032020**	6/3/2020 1105h	6/5/2020 1230h	**200.8-DIS**	Aqueous		df - dis met	1
				1 SEL Analytes: CD				
				200.8-DIS-PR			df - dis met	
2006183-004A	**MW-26_06032020**	6/3/2020 1345h	6/5/2020 1230h	**NH3-W-350.1**	Aqueous		df - no2/no3 / nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 / nh3	
				NO2/NO3-W-353.2			df - no2/no3 / nh3	
				1 SEL Analytes: NO3NO2N				
2006183-004B				**300.0-W**			df - wc	
				1 SEL Analytes: CL				
2006183-004C				**8260D-W-DEN100**			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 2 / # of Surr: 4				
2006183-005A	**MW-30_06032020**	6/3/2020 1045h	6/5/2020 1230h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NO3NO2N				
2006183-005B				**300.0-W**			df - wc	
				1 SEL Analytes: CL				
2006183-005C				**200.8-DIS**			df - dis met	
				2 SEL Analytes: SE U				
				200.8-DIS-PR			df - dis met	
2006183-006A	**MW-31_06022020**	6/2/2020 1310h	6/5/2020 1230h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **2006183**

Client: Energy Fuels Resources, Inc.

Due Date: 6/19/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006183-006B	**MW-31_06022020**	6/2/2020 1310h	6/5/2020 1230h	**300.0-W**	Aqueous		df - wc	1
				2 SEL Analytes: CL SO4				
2006183-006C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
2006183-007A	**MW-36_06022020**	6/2/2020 1435h	6/5/2020 1230h	**300.0-W**	Aqueous		df - so4	1
				1 SEL Analytes: SO4				
2006183-008A	**MW-65_06032020**	6/3/2020 1105h	6/5/2020 1230h	**200.8-DIS**	Aqueous		df - dis met	1
				1 SEL Analytes: CD				
				200.8-DIS-PR			df - dis met	
2006183-009A	**Trip Blank**	6/3/2020 1345h	6/5/2020 1230h	**8260D-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 2 / # of Surr: 4				

AWAL Use Only - Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	12

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

2006183
AWAL Lab Sample Set #
Page 1 of 1

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		6/19/20

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Tanner Holliday**
Phone #: **(435) 678-2221** Cell #:
Email: **tholliday@energyfuels.com; kweinel@energyfuels.com;**
Project Name: **June Ground Water 2020**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Fluoride (A4500-F C or 300.0)	SO_4 (4500 or 300.0)	Ammonia as N (350.1)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_06022020	6/2/2020	1145	2	W		X	X						X			
2	MW-14_06022020	6/2/2020	1505	1	W								X	X			
3	MW-25_06032020	6/3/2020	1105	1	W						X						
4	MW-26_06032020	6/3/2020	1345	5	W	X		X							X	X	
5	MW-30_06032020	6/3/2020	1045	3	W	X		X		X		X					
6	MW-31_06022020	6/2/2020	1310	3	W	X		X	X					X			
7	MW-36_06022020	6/2/2020	1435	1	W									X			
8	MW-65_06032020	6/3/2020	1105	1	W						X						
9	Trip Blank	6/3/2020	1345	3	W											X	
10																	
11																	
12																	
13																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.7 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 6/4/2020	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Denise Brown	Date: 6-5-20
Print Name:	Time:	Print Name: Denise Brown	Time: 12:30

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 2006183

pH Lot #: 6299

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-003	-004	-005	-006	-008												
Ammonia	pH <2 H_2SO_4			yes															
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes		yes		yes												
NO_2/NO_3	pH <2 H_2SO_4			yes	yes	yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		
Cr VI+	pH >9 $(NH_4)_2SO_4$																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

Tab G

Quality Assurance and Data Validation Tables

G1 A: Field QA/QC Evaluation

Location	1x Casing Volume	Volume Pumped	2x Casing Volume	Volume Check	Conductivity		RPD	pH		RPD	Temperature		RPD	Redox		RPD	Turbidity		RPD	Dissolved Oxygen		RPD
MW-01	19.49	39.06	38.98	okay	1798	1804	0.33	7.07	7.10	0.42	14.66	14.58	0.55	324	316	2.50	1.3	1.3	0.00	13.0	12.8	1.55
MW-02	12.42	26.04	24.84	okay	3684	3681	0.08	7.41	7.38	0.41	15.60	15.55	0.32	410	411	0.24	0	0	0.00	10.3	10.5	1.92
MW-03a	7.15	14.56	14.3	Pumped Dry	5911	5899	0.20	6.88	6.93	0.72	14.37	14.38	0.07	NM		NC	NM		NC	NM		NC
MW-05	21.52	43.40	43.04	okay	2780	2784	0.14	7.59	7.59	0.00	14.99	14.97	0.13	375	370	1.34	1.0	1.0	0.00	10.0	9.5	5.13
MW-11	29.11	58.59	58.22	okay	2918	2920	0.07	7.57	7.57	0.00	14.50	14.48	0.14	380	376	1.06	0	0	0.00	7.0	6.8	2.90
MW-12	14.70	30.38	29.4	okay	4064	4056	0.20	7.10	7.08	0.28	14.47	14.43	0.28	422	420	0.48	1.9	1.9	0.00	52.0	52.3	0.58
MW-14	17.43	35.80	34.86	okay	3846	3848	0.05	6.93	6.95	0.29	14.64	14.65	0.07	442	441	0.23	0	0	0.00	3.0	3.0	0.00
MW-15	20.43	41.23	40.86	okay	4212	4207	0.12	6.93	6.95	0.29	14.67	14.68	0.07	447	447	0.00	0	0	0.00	20.0	19.6	2.02
MW-17	26.18	53.16	52.36	okay	3630	3643	0.36	6.98	7.04	0.86	14.58	14.60	0.14	472	472	0.00	26.0	25.0	3.92	6.2	6.5	4.72
MW-18	39.40	79.20	78.8	okay	3404	3404	0.00	6.81	6.83	0.29	14.30	14.25	0.35	432	425	1.63	1.0	1.1	9.52	1.0	1.0	0.00
MW-19	54.78	110.67	109.56	okay	1308	1308	0.00	7.20	7.20	0.00	14.69	14.65	0.27	461	462	0.22	0	0	0.00	124.5	124.0	0.40
MW-20	4.47	7.00	8.94	Pumped Dry	5633	5645	0.21	7.35	7.39	0.54	14.10	14.05	0.36	NM		NC	NM		NC	NM		NC
MW-22	31.08	62.93	62.16	okay	7977	7971	0.08	5.15	5.15	0.00	14.59	14.60	0.07	528	530	0.38	1.0	1.0	0.00	9.0	8.9	1.12
MW-23	11.79	24.56	23.58	Pumped Dry	3879	3882	0.08	7.01	7.02	0.14	14.90	14.85	0.34	NM		NC	NM		NC	NM		NC
MW-24	5.92	11.00	11.84	Pumped Dry	4415	4426	0.25	5.58	5.60	0.36	14.10	14.08	0.14	NM		NC	NM		NC	NM		NC
MW-24A	6.49	14.56	12.98	okay	4341	4331	0.23	5.40	5.39	0.19	16.10	15.99	0.69	490	492	0.41	21.0	20.6	1.92	85.5	85.0	0.59
MW-25	22.62	45.57	45.24	okay	3137	3133	0.13	7.00	6.99	0.14	14.90	14.89	0.07	424	424	0.00	9.3	9.2	1.08	3.5	3.4	2.90
MW-26	NA	Continuously Pumped well	--		3522		NC	7.03		NC	17.20		NC	357		NC	0		NC	17.5		NC
MW-27	24.74	52.08	49.48	okay	1108	1108	0.00	7.46	7.47	0.13	15.30	15.25	0.33	443	442	0.23	0	0	0.00	96.5	96.5	0.00
MW-28	23.06	46.65	46.12	okay	3987	3988	0.03	6.66	6.68	0.30	14.39	14.40	0.07	502	500	0.40	0	0	0.00	25.0	24.5	2.02
MW-29	17.81	36.89	35.62	okay	4538	4537	0.02	6.76	6.76	0.00	14.35	14.33	0.14	285	280	1.77	10.0	10.2	1.98	9.0	9.3	3.28
MW-30	22.92	46.65	45.84	okay	2148	2147	0.05	7.17	7.19	0.28	14.56	14.55	0.07	463	463	0.00	0	0	0.00	53.3	52.9	0.75
MW-31	39.93	80.29	79.86	okay	3102	3106	0.13	7.23	7.25	0.28	14.88	14.85	0.20	446	445	0.22	0	0	0.00	110.0	110.0	0.00
MW-32	32.40	65.10	64.8	okay	3686	3689	0.08	6.70	6.70	0.00	14.80	14.78	0.14	228	225	1.32	14.5	15.0	3.39	7.8	7.5	3.92
MW-35	7.87	16.27	15.74	okay	4079	4080	0.02	6.99	6.98	0.14	14.05	14.03	0.14	364	357	1.94	0	0	0.00	8.2	8.0	2.47
MW-36	7.00	15.19	14	okay	785	790	0.63	7.28	7.28	0.00	14.09	14.10	0.07	435	435	0.00	0	0	0.00	73.8	74.0	0.27
MW-37	10.21	14.00	20.42	Pumped Dry	4305	4310	0.12	7.14	7.13	0.14	14.30	14.29	0.07	NM		NC	NM		NC	NM		NC
MW-38	2.70	5.00	5.4	Pumped Dry	4414	4410	0.09	7.18	7.18	0.00	15.16	15.13	0.20	NM		NC	NM		NC	NM		NC
MW-39	24.42	49.91	48.84	okay	4624	4627	0.06	4.54	4.53	0.22	14.70	14.75	0.34	449	458	1.98	1.0	1.0	0.00	8.0	7.9	1.26
MW-40	26.06	53.16	52.12	okay	3937	3934	0.08	7.07	7.06	0.14	14.60	14.50	0.69	456	457	0.22	0	0	0.00	107.8	107.6	0.19
TW4-24	NA	Continuously Pumped well	--		8002		NC	6.94		NC	16.63		NC	345		NC	23.0		NC	24.7		NC

MW-26, TW4-24 are continually pumped wells.

MW-03a, MW-20, MW-23, MW-24, MW-37, MW-38 were pumped dry and sampled after recovery.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

RPD = Relative Percent Difference

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

G-1B: Accelerated Field QA/QC Evaluation

Location	1x Casing Volume	Volume Pumped	2x Casing Volume	Volume Check	Conductivity		RPD	pH		RPD	Temperature		RPD	Redox		RPD	Turbidity		RPD	Dissolved Oxygen		RPD
Accelerated May Monthly																						
MW-11	29.05	58.59	58.1	okay	2947	2948	0.03	6.59	6.65	0.91	14.95	14.90	0.34	556	552	0.72	1.6	1.6	0.00	1.6	1.6	0.00
MW-14	17.20	34.72	34.4	okay	3853	3859	0.16	6.55	6.57	0.30	14.98	14.95	0.20	521	520	0.19	0	0	0.00	13.0	13.0	0.00
MW-25	22.54	52.08	45.08	okay	3130	3130	0.00	6.63	6.66	0.45	15.05	15.00	0.33	519	519	0.00	3.2	3.2	0.00	0	0	0.00
MW-26	NA	Continuously Pumped well	--		3562		NC	6.52		NC	16.50		NC	495		NC	0		NC	97.0		NC
MW-30	22.71	46.65	45.42	okay	2169	2176	0.32	6.50	6.51	0.15	15.11	15.10	0.07	526	526	0.00	0	0	0.00	54.6	54.4	0.37
MW-31	39.59	80.29	79.18	okay	3122	3119	0.10	6.55	6.60	0.76	15.15	15.16	0.07	529	526	0.57	0	0	0.00	110.0	110.0	0.00
MW-36	7.15	15.19	14.3	okay	4836	4839	0.06	6.63	6.67	0.60	15.10	15.00	0.66	535	534	0.19	1.0	1.0	0.00	75.6	74.3	1.73
Accelerated June Monthly																						
MW-11	29.07	58.59	58.14	okay	2954	2971	0.57	7.10	7.13	0.42	14.96	14.95	0.07	434	432	0.46	27.0	28.0	3.64	2.0	2.1	4.88
MW-14	17.30	39.06	34.6	okay	3881	3870	0.28	6.71	6.71	0.00	15.07	14.99	0.53	433	433	0.00	0	0	0.00	1.9	2.0	5.13
MW-25	21.89	46.65	43.78	okay	3157	3165	0.25	6.81	6.80	0.15	15.60	15.52	0.51	377	377	0.00	23.0	23.0	0.00	2.1	2.1	0.00
MW-26	NA	Continuously Pumped well	--		3543		NC	6.60		NC	18.90		NC	447		NC	1.0		NC	89.0		NC
MW-30	22.75	45.57	45.5	okay	2170	2170	0.00	6.65	6.58	1.06	14.96	14.95	0.07	480	481	0.21	0	0	0.00	40.0	39.0	2.53
MW-31	39.73	80.29	79.46	okay	3133	3137	0.13	6.80	6.84	0.59	15.50	15.51	0.06	426	425	0.24	0	0	0.00	111.0	110.0	0.90
MW-36	7.16	15.19	14.32	okay	4895	4871	0.49	6.80	6.83	0.44	15.16	15.18	0.13	436	435	0.23	0	0	0.00	78.0	78.0	0.00

MW-26 is a continuosly pumped well.

There are no wells that were pumped dry and sampled after recovery.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

RPD = Relative Percent Difference

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	2-Butanone	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Acetone	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Benzene	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Carbon tetrachloride	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Chloroform	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Chloromethane	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Methylene chloride	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Naphthalene	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Tetrahydrofuran	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Toluene	4/6/2020	4/13/2020	7	14	OK
Trip Blank	Xylenes, Total	4/6/2020	4/13/2020	7	14	OK
Trip Blank	2-Butanone	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Acetone	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Benzene	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Carbon tetrachloride	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Chloroform	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Chloromethane	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Methylene chloride	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Naphthalene	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Tetrahydrofuran	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Toluene	4/13/2020	4/20/2020	7	14	OK
Trip Blank	Xylenes, Total	4/13/2020	4/20/2020	7	14	OK
Trip Blank	2-Butanone	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Acetone	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Benzene	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Carbon tetrachloride	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Chloroform	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Chloromethane	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Methylene chloride	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Naphthalene	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Tetrahydrofuran	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Toluene	4/21/2020	4/23/2020	2	14	OK
Trip Blank	Xylenes, Total	4/21/2020	4/23/2020	2	14	OK
MW-01	2-Butanone	4/15/2020	4/17/2020	2	14	OK
MW-01	Acetone	4/15/2020	4/17/2020	2	14	OK
MW-01	Ammonia (as N)	4/15/2020	4/23/2020	8	28	OK
MW-01	Arsenic	4/15/2020	4/28/2020	13	180	OK
MW-01	Benzene	4/15/2020	4/17/2020	2	14	OK
MW-01	Beryllium	4/15/2020	4/28/2020	13	180	OK
MW-01	Bicarbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-01	Cadmium	4/15/2020	4/28/2020	13	180	OK
MW-01	Calcium	4/15/2020	5/1/2020	16	180	OK
MW-01	Carbon tetrachloride	4/15/2020	4/17/2020	2	14	OK
MW-01	Carbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-01	Chloride	4/15/2020	4/28/2020	13	28	OK
MW-01	Chloroform	4/15/2020	4/17/2020	2	14	OK
MW-01	Chloromethane	4/15/2020	4/17/2020	2	14	OK
MW-01	Chromium	4/15/2020	4/28/2020	13	180	OK
MW-01	Cobalt	4/15/2020	4/28/2020	13	180	OK
MW-01	Copper	4/15/2020	4/28/2020	13	180	OK
MW-01	Fluoride	4/15/2020	4/29/2020	14	28	OK
MW-01	Gross Radium Alpha	4/15/2020	5/6/2020	21	180	OK
MW-01	Iron	4/15/2020	4/28/2020	13	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-01	Lead	4/15/2020	4/28/2020	13	180	OK
MW-01	Magnesium	4/15/2020	5/1/2020	16	180	OK
MW-01	Manganese	4/15/2020	4/28/2020	13	180	OK
MW-01	Mercury	4/15/2020	4/22/2020	7	180	OK
MW-01	Methylene chloride	4/15/2020	4/17/2020	2	14	OK
MW-01	Molybdenum	4/15/2020	4/28/2020	13	180	OK
MW-01	Naphthalene	4/15/2020	4/17/2020	2	14	OK
MW-01	Nickel	4/15/2020	4/28/2020	13	180	OK
MW-01	Nitrate/Nitrite (as N)	4/15/2020	4/21/2020	6	28	OK
MW-01	Potassium	4/15/2020	5/1/2020	16	180	OK
MW-01	Selenium	4/15/2020	4/28/2020	13	180	OK
MW-01	Silver	4/15/2020	4/28/2020	13	180	OK
MW-01	Sodium	4/15/2020	5/1/2020	16	180	OK
MW-01	Sulfate	4/15/2020	4/28/2020	13	28	OK
MW-01	Tetrahydrofuran	4/15/2020	4/17/2020	2	14	OK
MW-01	Thallium	4/15/2020	4/28/2020	13	180	OK
MW-01	Tin	4/15/2020	4/28/2020	13	180	OK
MW-01	Toluene	4/15/2020	4/17/2020	2	14	OK
MW-01	Uranium	4/15/2020	4/28/2020	13	180	OK
MW-01	Vanadium	4/15/2020	5/1/2020	16	180	OK
MW-01	Xylenes, Total	4/15/2020	4/17/2020	2	14	OK
MW-01	Zinc	4/15/2020	4/28/2020	13	180	OK
MW-02	2-Butanone	4/7/2020	4/10/2020	3	14	OK
MW-02	Acetone	4/7/2020	4/10/2020	3	14	OK
MW-02	Ammonia (as N)	4/7/2020	4/20/2020	13	28	OK
MW-02	Arsenic	4/7/2020	4/23/2020	16	180	OK
MW-02	Benzene	4/7/2020	4/10/2020	3	14	OK
MW-02	Beryllium	4/7/2020	4/23/2020	16	180	OK
MW-02	Bicarbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-02	Cadmium	4/7/2020	4/23/2020	16	180	OK
MW-02	Calcium	4/7/2020	4/24/2020	17	180	OK
MW-02	Carbon tetrachloride	4/7/2020	4/10/2020	3	14	OK
MW-02	Carbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-02	Chloride	4/7/2020	4/20/2020	13	28	OK
MW-02	Chloroform	4/7/2020	4/10/2020	3	14	OK
MW-02	Chloromethane	4/7/2020	4/10/2020	3	14	OK
MW-02	Chromium	4/7/2020	4/23/2020	16	180	OK
MW-02	Cobalt	4/7/2020	4/23/2020	16	180	OK
MW-02	Copper	4/7/2020	4/23/2020	16	180	OK
MW-02	Fluoride	4/7/2020	4/20/2020	13	28	OK
MW-02	Gross Radium Alpha	4/7/2020	4/29/2020	22	180	OK
MW-02	Iron	4/7/2020	4/23/2020	16	180	OK
MW-02	Lead	4/7/2020	4/23/2020	16	180	OK
MW-02	Magnesium	4/7/2020	4/24/2020	17	180	OK
MW-02	Manganese	4/7/2020	4/23/2020	16	180	OK
MW-02	Mercury	4/7/2020	4/17/2020	10	180	OK
MW-02	Methylene chloride	4/7/2020	4/10/2020	3	14	OK
MW-02	Molybdenum	4/7/2020	4/23/2020	16	180	OK
MW-02	Naphthalene	4/7/2020	4/10/2020	3	14	OK
MW-02	Nickel	4/7/2020	4/23/2020	16	180	OK
MW-02	Nitrate/Nitrite (as N)	4/7/2020	4/14/2020	7	28	OK
MW-02	Potassium	4/7/2020	4/24/2020	17	180	OK
MW-02	Selenium	4/7/2020	4/23/2020	16	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-02	Silver	4/7/2020	4/24/2020	17	180	OK
MW-02	Sodium	4/7/2020	4/24/2020	17	180	OK
MW-02	Sulfate	4/7/2020	4/20/2020	13	28	OK
MW-02	Tetrahydrofuran	4/7/2020	4/10/2020	3	14	OK
MW-02	Thallium	4/7/2020	4/24/2020	17	180	OK
MW-02	Tin	4/7/2020	4/23/2020	16	180	OK
MW-02	Toluene	4/7/2020	4/10/2020	3	14	OK
MW-02	Uranium	4/7/2020	4/23/2020	16	180	OK
MW-02	Vanadium	4/7/2020	4/27/2020	20	180	OK
MW-02	Xylenes, Total	4/7/2020	4/10/2020	3	14	OK
MW-02	Zinc	4/7/2020	4/23/2020	16	180	OK
MW-03a	2-Butanone	4/13/2020	4/17/2020	4	14	OK
MW-03a	Acetone	4/13/2020	4/17/2020	4	14	OK
MW-03a	Ammonia (as N)	4/13/2020	4/23/2020	10	28	OK
MW-03a	Arsenic	4/13/2020	4/28/2020	15	180	OK
MW-03a	Benzene	4/13/2020	4/17/2020	4	14	OK
MW-03a	Beryllium	4/13/2020	4/28/2020	15	180	OK
MW-03a	Bicarbonate (as CaCO3)	4/13/2020	4/20/2020	7	14	OK
MW-03a	Cadmium	4/13/2020	4/28/2020	15	180	OK
MW-03a	Calcium	4/13/2020	5/1/2020	18	180	OK
MW-03a	Carbon tetrachloride	4/13/2020	4/17/2020	4	14	OK
MW-03a	Carbonate (as CaCO3)	4/13/2020	4/20/2020	7	14	OK
MW-03a	Chloride	4/13/2020	4/28/2020	15	28	OK
MW-03a	Chloroform	4/13/2020	4/17/2020	4	14	OK
MW-03a	Chloromethane	4/13/2020	4/17/2020	4	14	OK
MW-03a	Chromium	4/13/2020	4/28/2020	15	180	OK
MW-03a	Cobalt	4/13/2020	4/28/2020	15	180	OK
MW-03a	Copper	4/13/2020	4/28/2020	15	180	OK
MW-03a	Fluoride	4/13/2020	5/6/2020	23	28	OK
MW-03a	Gross Radium Alpha	4/13/2020	5/6/2020	23	180	OK
MW-03a	Iron	4/13/2020	4/28/2020	15	180	OK
MW-03a	Lead	4/13/2020	4/28/2020	15	180	OK
MW-03a	Magnesium	4/13/2020	5/1/2020	18	180	OK
MW-03a	Manganese	4/13/2020	4/28/2020	15	180	OK
MW-03a	Mercury	4/13/2020	4/22/2020	9	180	OK
MW-03a	Methylene chloride	4/13/2020	4/17/2020	4	14	OK
MW-03a	Molybdenum	4/13/2020	4/28/2020	15	180	OK
MW-03a	Naphthalene	4/13/2020	4/17/2020	4	14	OK
MW-03a	Nickel	4/13/2020	4/28/2020	15	180	OK
MW-03a	Nitrate/Nitrite (as N)	4/13/2020	4/21/2020	8	28	OK
MW-03a	Potassium	4/13/2020	5/1/2020	18	180	OK
MW-03a	Selenium	4/13/2020	4/28/2020	15	180	OK
MW-03a	Silver	4/13/2020	4/28/2020	15	180	OK
MW-03a	Sodium	4/13/2020	5/1/2020	18	180	OK
MW-03a	Sulfate	4/13/2020	4/28/2020	15	28	OK
MW-03a	Tetrahydrofuran	4/13/2020	4/17/2020	4	14	OK
MW-03a	Thallium	4/13/2020	4/28/2020	15	180	OK
MW-03a	Tin	4/13/2020	4/28/2020	15	180	OK
MW-03a	Toluene	4/13/2020	4/17/2020	4	14	OK
MW-03a	Uranium	4/13/2020	4/28/2020	15	180	OK
MW-03a	Vanadium	4/13/2020	5/1/2020	18	180	OK
MW-03a	Xylenes, Total	4/13/2020	4/17/2020	4	14	OK
MW-03a	Zinc	4/13/2020	4/28/2020	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-05	2-Butanone	4/8/2020	4/10/2020	2	14	OK
MW-05	Acetone	4/8/2020	4/10/2020	2	14	OK
MW-05	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
MW-05	Arsenic	4/8/2020	4/23/2020	15	180	OK
MW-05	Benzene	4/8/2020	4/10/2020	2	14	OK
MW-05	Beryllium	4/8/2020	4/23/2020	15	180	OK
MW-05	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-05	Cadmium	4/8/2020	4/23/2020	15	180	OK
MW-05	Calcium	4/8/2020	4/24/2020	16	180	OK
MW-05	Carbon tetrachloride	4/8/2020	4/10/2020	2	14	OK
MW-05	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-05	Chloride	4/8/2020	4/20/2020	12	28	OK
MW-05	Chloroform	4/8/2020	4/10/2020	2	14	OK
MW-05	Chloromethane	4/8/2020	4/10/2020	2	14	OK
MW-05	Chromium	4/8/2020	4/23/2020	15	180	OK
MW-05	Cobalt	4/8/2020	4/23/2020	15	180	OK
MW-05	Copper	4/8/2020	4/23/2020	15	180	OK
MW-05	Fluoride	4/8/2020	4/21/2020	13	28	OK
MW-05	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
MW-05	Iron	4/8/2020	4/23/2020	15	180	OK
MW-05	Lead	4/8/2020	4/23/2020	15	180	OK
MW-05	Magnesium	4/8/2020	4/24/2020	16	180	OK
MW-05	Manganese	4/8/2020	4/23/2020	15	180	OK
MW-05	Mercury	4/8/2020	4/17/2020	9	180	OK
MW-05	Methylene chloride	4/8/2020	4/10/2020	2	14	OK
MW-05	Molybdenum	4/8/2020	4/23/2020	15	180	OK
MW-05	Naphthalene	4/8/2020	4/10/2020	2	14	OK
MW-05	Nickel	4/8/2020	4/23/2020	15	180	OK
MW-05	Nitrate/Nitrite (as N)	4/8/2020	4/14/2020	6	28	OK
MW-05	Potassium	4/8/2020	4/24/2020	16	180	OK
MW-05	Selenium	4/8/2020	4/23/2020	15	180	OK
MW-05	Silver	4/8/2020	4/24/2020	16	180	OK
MW-05	Sodium	4/8/2020	4/24/2020	16	180	OK
MW-05	Sulfate	4/8/2020	4/29/2020	21	28	OK
MW-05	Tetrahydrofuran	4/8/2020	4/10/2020	2	14	OK
MW-05	Thallium	4/8/2020	4/24/2020	16	180	OK
MW-05	Tin	4/8/2020	4/23/2020	15	180	OK
MW-05	Toluene	4/8/2020	4/10/2020	2	14	OK
MW-05	Uranium	4/8/2020	4/23/2020	15	180	OK
MW-05	Vanadium	4/8/2020	4/27/2020	19	180	OK
MW-05	Xylenes, Total	4/8/2020	4/10/2020	2	14	OK
MW-05	Zinc	4/8/2020	4/23/2020	15	180	OK
MW-11	2-Butanone	4/8/2020	4/10/2020	2	14	OK
MW-11	Acetone	4/8/2020	4/10/2020	2	14	OK
MW-11	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
MW-11	Arsenic	4/8/2020	4/23/2020	15	180	OK
MW-11	Benzene	4/8/2020	4/10/2020	2	14	OK
MW-11	Beryllium	4/8/2020	4/23/2020	15	180	OK
MW-11	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-11	Cadmium	4/8/2020	4/23/2020	15	180	OK
MW-11	Calcium	4/8/2020	4/24/2020	16	180	OK
MW-11	Carbon tetrachloride	4/8/2020	4/10/2020	2	14	OK
MW-11	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-11	Chloride	4/8/2020	4/20/2020	12	28	OK
MW-11	Chloroform	4/8/2020	4/10/2020	2	14	OK
MW-11	Chloromethane	4/8/2020	4/10/2020	2	14	OK
MW-11	Chromium	4/8/2020	4/23/2020	15	180	OK
MW-11	Cobalt	4/8/2020	4/23/2020	15	180	OK
MW-11	Copper	4/8/2020	4/23/2020	15	180	OK
MW-11	Fluoride	4/8/2020	4/21/2020	13	28	OK
MW-11	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
MW-11	Iron	4/8/2020	4/23/2020	15	180	OK
MW-11	Lead	4/8/2020	4/23/2020	15	180	OK
MW-11	Magnesium	4/8/2020	4/24/2020	16	180	OK
MW-11	Manganese	4/8/2020	4/23/2020	15	180	OK
MW-11	Mercury	4/8/2020	4/17/2020	9	180	OK
MW-11	Methylene chloride	4/8/2020	4/10/2020	2	14	OK
MW-11	Molybdenum	4/8/2020	4/23/2020	15	180	OK
MW-11	Naphthalene	4/8/2020	4/10/2020	2	14	OK
MW-11	Nickel	4/8/2020	4/23/2020	15	180	OK
MW-11	Nitrate/Nitrite (as N)	4/8/2020	4/14/2020	6	28	OK
MW-11	Potassium	4/8/2020	4/24/2020	16	180	OK
MW-11	Selenium	4/8/2020	4/23/2020	15	180	OK
MW-11	Silver	4/8/2020	4/24/2020	16	180	OK
MW-11	Sodium	4/8/2020	4/24/2020	16	180	OK
MW-11	Sulfate	4/8/2020	4/20/2020	12	28	OK
MW-11	Tetrahydrofuran	4/8/2020	4/10/2020	2	14	OK
MW-11	Thallium	4/8/2020	4/24/2020	16	180	OK
MW-11	Tin	4/8/2020	4/23/2020	15	180	OK
MW-11	Toluene	4/8/2020	4/10/2020	2	14	OK
MW-11	Uranium	4/8/2020	4/23/2020	15	180	OK
MW-11	Vanadium	4/8/2020	4/27/2020	19	180	OK
MW-11	Xylenes, Total	4/8/2020	4/10/2020	2	14	OK
MW-11	Zinc	4/8/2020	4/23/2020	15	180	OK
MW-12	2-Butanone	4/9/2020	4/10/2020	1	14	OK
MW-12	Acetone	4/9/2020	4/10/2020	1	14	OK
MW-12	Ammonia (as N)	4/9/2020	4/20/2020	11	28	OK
MW-12	Arsenic	4/9/2020	4/23/2020	14	180	OK
MW-12	Benzene	4/9/2020	4/10/2020	1	14	OK
MW-12	Beryllium	4/9/2020	4/23/2020	14	180	OK
MW-12	Bicarbonate (as CaCO3)	4/9/2020	4/13/2020	4	14	OK
MW-12	Cadmium	4/9/2020	4/23/2020	14	180	OK
MW-12	Calcium	4/9/2020	4/24/2020	15	180	OK
MW-12	Carbon tetrachloride	4/9/2020	4/10/2020	1	14	OK
MW-12	Carbonate (as CaCO3)	4/9/2020	4/13/2020	4	14	OK
MW-12	Chloride	4/9/2020	4/20/2020	11	28	OK
MW-12	Chloroform	4/9/2020	4/10/2020	1	14	OK
MW-12	Chloromethane	4/9/2020	4/10/2020	1	14	OK
MW-12	Chromium	4/9/2020	4/23/2020	14	180	OK
MW-12	Cobalt	4/9/2020	4/23/2020	14	180	OK
MW-12	Copper	4/9/2020	4/23/2020	14	180	OK
MW-12	Fluoride	4/9/2020	4/21/2020	12	28	OK
MW-12	Gross Radium Alpha	4/9/2020	4/29/2020	20	180	OK
MW-12	Iron	4/9/2020	4/23/2020	14	180	OK
MW-12	Lead	4/9/2020	4/23/2020	14	180	OK
MW-12	Magnesium	4/9/2020	4/24/2020	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-12	Manganese	4/9/2020	4/23/2020	14	180	OK
MW-12	Mercury	4/9/2020	4/17/2020	8	180	OK
MW-12	Methylene chloride	4/9/2020	4/10/2020	1	14	OK
MW-12	Molybdenum	4/9/2020	4/23/2020	14	180	OK
MW-12	Naphthalene	4/9/2020	4/10/2020	1	14	OK
MW-12	Nickel	4/9/2020	4/23/2020	14	180	OK
MW-12	Nitrate/Nitrite (as N)	4/9/2020	4/14/2020	5	28	OK
MW-12	Potassium	4/9/2020	4/24/2020	15	180	OK
MW-12	Selenium	4/9/2020	4/23/2020	14	180	OK
MW-12	Silver	4/9/2020	4/24/2020	15	180	OK
MW-12	Sodium	4/9/2020	4/24/2020	15	180	OK
MW-12	Sulfate	4/9/2020	4/20/2020	11	28	OK
MW-12	Tetrahydrofuran	4/9/2020	4/10/2020	1	14	OK
MW-12	Thallium	4/9/2020	4/24/2020	15	180	OK
MW-12	Tin	4/9/2020	4/23/2020	14	180	OK
MW-12	Toluene	4/9/2020	4/10/2020	1	14	OK
MW-12	Uranium	4/9/2020	4/23/2020	14	180	OK
MW-12	Vanadium	4/9/2020	4/27/2020	18	180	OK
MW-12	Xylenes, Total	4/9/2020	4/10/2020	1	14	OK
MW-12	Zinc	4/9/2020	4/23/2020	14	180	OK
MW-14	2-Butanone	4/6/2020	4/10/2020	4	14	OK
MW-14	Acetone	4/6/2020	4/10/2020	4	14	OK
MW-14	Ammonia (as N)	4/6/2020	4/20/2020	14	28	OK
MW-14	Arsenic	4/6/2020	4/23/2020	17	180	OK
MW-14	Benzene	4/6/2020	4/10/2020	4	14	OK
MW-14	Beryllium	4/6/2020	4/23/2020	17	180	OK
MW-14	Bicarbonate (as CaCO3)	4/6/2020	4/13/2020	7	14	OK
MW-14	Cadmium	4/6/2020	4/23/2020	17	180	OK
MW-14	Calcium	4/6/2020	4/24/2020	18	180	OK
MW-14	Carbon tetrachloride	4/6/2020	4/10/2020	4	14	OK
MW-14	Carbonate (as CaCO3)	4/6/2020	4/13/2020	7	14	OK
MW-14	Chloride	4/6/2020	4/20/2020	14	28	OK
MW-14	Chloroform	4/6/2020	4/10/2020	4	14	OK
MW-14	Chloromethane	4/6/2020	4/10/2020	4	14	OK
MW-14	Chromium	4/6/2020	4/23/2020	17	180	OK
MW-14	Cobalt	4/6/2020	4/23/2020	17	180	OK
MW-14	Copper	4/6/2020	4/23/2020	17	180	OK
MW-14	Fluoride	4/6/2020	4/21/2020	15	28	OK
MW-14	Gross Radium Alpha	4/6/2020	4/29/2020	23	180	OK
MW-14	Iron	4/6/2020	4/23/2020	17	180	OK
MW-14	Lead	4/6/2020	4/23/2020	17	180	OK
MW-14	Magnesium	4/6/2020	4/24/2020	18	180	OK
MW-14	Manganese	4/6/2020	4/24/2020	18	180	OK
MW-14	Mercury	4/6/2020	4/17/2020	11	180	OK
MW-14	Methylene chloride	4/6/2020	4/10/2020	4	14	OK
MW-14	Molybdenum	4/6/2020	4/23/2020	17	180	OK
MW-14	Naphthalene	4/6/2020	4/10/2020	4	14	OK
MW-14	Nickel	4/6/2020	4/23/2020	17	180	OK
MW-14	Nitrate/Nitrite (as N)	4/6/2020	4/14/2020	8	28	OK
MW-14	Potassium	4/6/2020	4/24/2020	18	180	OK
MW-14	Selenium	4/6/2020	4/23/2020	17	180	OK
MW-14	Silver	4/6/2020	4/24/2020	18	180	OK
MW-14	Sodium	4/6/2020	4/24/2020	18	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-14	Sulfate	4/6/2020	4/20/2020	14	28	OK
MW-14	Tetrahydrofuran	4/6/2020	4/10/2020	4	14	OK
MW-14	Thallium	4/6/2020	4/24/2020	18	180	OK
MW-14	Tin	4/6/2020	4/23/2020	17	180	OK
MW-14	Toluene	4/6/2020	4/10/2020	4	14	OK
MW-14	Uranium	4/6/2020	4/23/2020	17	180	OK
MW-14	Vanadium	4/6/2020	4/27/2020	21	180	OK
MW-14	Xylenes, Total	4/6/2020	4/10/2020	4	14	OK
MW-14	Zinc	4/6/2020	4/23/2020	17	180	OK
MW-15	2-Butanone	4/7/2020	4/10/2020	3	14	OK
MW-15	Acetone	4/7/2020	4/10/2020	3	14	OK
MW-15	Ammonia (as N)	4/7/2020	4/20/2020	13	28	OK
MW-15	Arsenic	4/7/2020	4/23/2020	16	180	OK
MW-15	Benzene	4/7/2020	4/10/2020	3	14	OK
MW-15	Beryllium	4/7/2020	4/23/2020	16	180	OK
MW-15	Bicarbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-15	Cadmium	4/7/2020	4/23/2020	16	180	OK
MW-15	Calcium	4/7/2020	4/24/2020	17	180	OK
MW-15	Carbon tetrachloride	4/7/2020	4/10/2020	3	14	OK
MW-15	Carbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-15	Chloride	4/7/2020	4/21/2020	14	28	OK
MW-15	Chloroform	4/7/2020	4/10/2020	3	14	OK
MW-15	Chloromethane	4/7/2020	4/10/2020	3	14	OK
MW-15	Chromium	4/7/2020	4/23/2020	16	180	OK
MW-15	Cobalt	4/7/2020	4/23/2020	16	180	OK
MW-15	Copper	4/7/2020	4/23/2020	16	180	OK
MW-15	Fluoride	4/7/2020	4/21/2020	14	28	OK
MW-15	Gross Radium Alpha	4/7/2020	4/29/2020	22	180	OK
MW-15	Iron	4/7/2020	4/23/2020	16	180	OK
MW-15	Lead	4/7/2020	4/23/2020	16	180	OK
MW-15	Magnesium	4/7/2020	4/24/2020	17	180	OK
MW-15	Manganese	4/7/2020	4/23/2020	16	180	OK
MW-15	Mercury	4/7/2020	4/17/2020	10	180	OK
MW-15	Methylene chloride	4/7/2020	4/10/2020	3	14	OK
MW-15	Molybdenum	4/7/2020	4/23/2020	16	180	OK
MW-15	Naphthalene	4/7/2020	4/10/2020	3	14	OK
MW-15	Nickel	4/7/2020	4/23/2020	16	180	OK
MW-15	Nitrate/Nitrite (as N)	4/7/2020	4/14/2020	7	28	OK
MW-15	Potassium	4/7/2020	4/24/2020	17	180	OK
MW-15	Selenium	4/7/2020	4/23/2020	16	180	OK
MW-15	Silver	4/7/2020	4/24/2020	17	180	OK
MW-15	Sodium	4/7/2020	4/24/2020	17	180	OK
MW-15	Sulfate	4/7/2020	4/20/2020	13	28	OK
MW-15	Tetrahydrofuran	4/7/2020	4/10/2020	3	14	OK
MW-15	Thallium	4/7/2020	4/24/2020	17	180	OK
MW-15	Tin	4/7/2020	4/23/2020	16	180	OK
MW-15	Toluene	4/7/2020	4/10/2020	3	14	OK
MW-15	Uranium	4/7/2020	4/23/2020	16	180	OK
MW-15	Vanadium	4/7/2020	4/27/2020	20	180	OK
MW-15	Xylenes, Total	4/7/2020	4/10/2020	3	14	OK
MW-15	Zinc	4/7/2020	4/23/2020	16	180	OK
MW-17	2-Butanone	4/13/2020	4/17/2020	4	14	OK
MW-17	Acetone	4/13/2020	4/17/2020	4	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-17	Ammonia (as N)	4/13/2020	4/23/2020	10	28	OK
MW-17	Arsenic	4/13/2020	4/28/2020	15	180	OK
MW-17	Benzene	4/13/2020	4/17/2020	4	14	OK
MW-17	Beryllium	4/13/2020	4/28/2020	15	180	OK
MW-17	Bicarbonate (as CaCO3)	4/13/2020	4/20/2020	7	14	OK
MW-17	Cadmium	4/13/2020	4/28/2020	15	180	OK
MW-17	Calcium	4/13/2020	5/1/2020	18	180	OK
MW-17	Carbon tetrachloride	4/13/2020	4/17/2020	4	14	OK
MW-17	Carbonate (as CaCO3)	4/13/2020	4/20/2020	7	14	OK
MW-17	Chloride	4/13/2020	4/28/2020	15	28	OK
MW-17	Chloroform	4/13/2020	4/17/2020	4	14	OK
MW-17	Chloromethane	4/13/2020	4/17/2020	4	14	OK
MW-17	Chromium	4/13/2020	4/28/2020	15	180	OK
MW-17	Cobalt	4/13/2020	4/28/2020	15	180	OK
MW-17	Copper	4/13/2020	4/28/2020	15	180	OK
MW-17	Fluoride	4/13/2020	4/29/2020	16	28	OK
MW-17	Gross Radium Alpha	4/13/2020	5/6/2020	23	180	OK
MW-17	Iron	4/13/2020	4/28/2020	15	180	OK
MW-17	Lead	4/13/2020	4/28/2020	15	180	OK
MW-17	Magnesium	4/13/2020	5/1/2020	18	180	OK
MW-17	Manganese	4/13/2020	4/28/2020	15	180	OK
MW-17	Mercury	4/13/2020	4/22/2020	9	180	OK
MW-17	Methylene chloride	4/13/2020	4/17/2020	4	14	OK
MW-17	Molybdenum	4/13/2020	4/28/2020	15	180	OK
MW-17	Naphthalene	4/13/2020	4/17/2020	4	14	OK
MW-17	Nickel	4/13/2020	4/28/2020	15	180	OK
MW-17	Nitrate/Nitrite (as N)	4/13/2020	4/21/2020	8	28	OK
MW-17	Potassium	4/13/2020	5/1/2020	18	180	OK
MW-17	Selenium	4/13/2020	4/28/2020	15	180	OK
MW-17	Silver	4/13/2020	4/28/2020	15	180	OK
MW-17	Sodium	4/13/2020	5/1/2020	18	180	OK
MW-17	Sulfate	4/13/2020	4/28/2020	15	28	OK
MW-17	Tetrahydrofuran	4/13/2020	4/17/2020	4	14	OK
MW-17	Thallium	4/13/2020	4/28/2020	15	180	OK
MW-17	Tin	4/13/2020	4/28/2020	15	180	OK
MW-17	Toluene	4/13/2020	4/17/2020	4	14	OK
MW-17	Uranium	4/13/2020	4/28/2020	15	180	OK
MW-17	Vanadium	4/13/2020	5/1/2020	18	180	OK
MW-17	Xylenes, Total	4/13/2020	4/17/2020	4	14	OK
MW-17	Zinc	4/13/2020	4/28/2020	15	180	OK
MW-18	2-Butanone	4/14/2020	4/17/2020	3	14	OK
MW-18	Acetone	4/14/2020	4/17/2020	3	14	OK
MW-18	Ammonia (as N)	4/14/2020	4/23/2020	9	28	OK
MW-18	Arsenic	4/14/2020	4/28/2020	14	180	OK
MW-18	Benzene	4/14/2020	4/17/2020	3	14	OK
MW-18	Beryllium	4/14/2020	4/28/2020	14	180	OK
MW-18	Bicarbonate (as CaCO3)	4/14/2020	4/20/2020	6	14	OK
MW-18	Cadmium	4/14/2020	4/28/2020	14	180	OK
MW-18	Calcium	4/14/2020	5/1/2020	17	180	OK
MW-18	Carbon tetrachloride	4/14/2020	4/17/2020	3	14	OK
MW-18	Carbonate (as CaCO3)	4/14/2020	4/20/2020	6	14	OK
MW-18	Chloride	4/14/2020	4/28/2020	14	28	OK
MW-18	Chloroform	4/14/2020	4/17/2020	3	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-18	Chloromethane	4/14/2020	4/17/2020	3	14	OK
MW-18	Chromium	4/14/2020	4/28/2020	14	180	OK
MW-18	Cobalt	4/14/2020	4/28/2020	14	180	OK
MW-18	Copper	4/14/2020	4/28/2020	14	180	OK
MW-18	Fluoride	4/14/2020	4/29/2020	15	28	OK
MW-18	Gross Radium Alpha	4/14/2020	5/6/2020	22	180	OK
MW-18	Iron	4/14/2020	4/28/2020	14	180	OK
MW-18	Lead	4/14/2020	4/28/2020	14	180	OK
MW-18	Magnesium	4/14/2020	5/1/2020	17	180	OK
MW-18	Manganese	4/14/2020	4/28/2020	14	180	OK
MW-18	Mercury	4/14/2020	4/22/2020	8	180	OK
MW-18	Methylene chloride	4/14/2020	4/17/2020	3	14	OK
MW-18	Molybdenum	4/14/2020	4/28/2020	14	180	OK
MW-18	Naphthalene	4/14/2020	4/17/2020	3	14	OK
MW-18	Nickel	4/14/2020	4/28/2020	14	180	OK
MW-18	Nitrate/Nitrite (as N)	4/14/2020	4/21/2020	7	28	OK
MW-18	Potassium	4/14/2020	5/1/2020	17	180	OK
MW-18	Selenium	4/14/2020	4/28/2020	14	180	OK
MW-18	Silver	4/14/2020	4/28/2020	14	180	OK
MW-18	Sodium	4/14/2020	5/1/2020	17	180	OK
MW-18	Sulfate	4/14/2020	4/28/2020	14	28	OK
MW-18	Tetrahydrofuran	4/14/2020	4/17/2020	3	14	OK
MW-18	Thallium	4/14/2020	4/28/2020	14	180	OK
MW-18	Tin	4/14/2020	4/28/2020	14	180	OK
MW-18	Toluene	4/14/2020	4/17/2020	3	14	OK
MW-18	Uranium	4/14/2020	4/28/2020	14	180	OK
MW-18	Vanadium	4/14/2020	5/1/2020	17	180	OK
MW-18	Xylenes, Total	4/14/2020	4/17/2020	3	14	OK
MW-18	Zinc	4/14/2020	4/28/2020	14	180	OK
MW-19	2-Butanone	4/13/2020	4/17/2020	4	14	OK
MW-19	Acetone	4/13/2020	4/17/2020	4	14	OK
MW-19	Ammonia (as N)	4/13/2020	4/23/2020	10	28	OK
MW-19	Arsenic	4/13/2020	4/28/2020	15	180	OK
MW-19	Benzene	4/13/2020	4/17/2020	4	14	OK
MW-19	Beryllium	4/13/2020	4/28/2020	15	180	OK
MW-19	Bicarbonate (as CaCO3)	4/13/2020	4/20/2020	7	14	OK
MW-19	Cadmium	4/13/2020	4/28/2020	15	180	OK
MW-19	Calcium	4/13/2020	5/1/2020	18	180	OK
MW-19	Carbon tetrachloride	4/13/2020	4/17/2020	4	14	OK
MW-19	Carbonate (as CaCO3)	4/13/2020	4/20/2020	7	14	OK
MW-19	Chloride	4/13/2020	4/28/2020	15	28	OK
MW-19	Chloroform	4/13/2020	4/17/2020	4	14	OK
MW-19	Chloromethane	4/13/2020	4/17/2020	4	14	OK
MW-19	Chromium	4/13/2020	4/28/2020	15	180	OK
MW-19	Cobalt	4/13/2020	4/28/2020	15	180	OK
MW-19	Copper	4/13/2020	4/28/2020	15	180	OK
MW-19	Fluoride	4/13/2020	4/29/2020	16	28	OK
MW-19	Gross Radium Alpha	4/13/2020	5/6/2020	23	180	OK
MW-19	Iron	4/13/2020	4/28/2020	15	180	OK
MW-19	Lead	4/13/2020	4/28/2020	15	180	OK
MW-19	Magnesium	4/13/2020	5/1/2020	18	180	OK
MW-19	Manganese	4/13/2020	4/28/2020	15	180	OK
MW-19	Mercury	4/13/2020	4/22/2020	9	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-19	Methylene chloride	4/13/2020	4/17/2020	4	14	OK
MW-19	Molybdenum	4/13/2020	4/28/2020	15	180	OK
MW-19	Naphthalene	4/13/2020	4/17/2020	4	14	OK
MW-19	Nickel	4/13/2020	4/28/2020	15	180	OK
MW-19	Nitrate/Nitrite (as N)	4/13/2020	4/21/2020	8	28	OK
MW-19	Potassium	4/13/2020	5/1/2020	18	180	OK
MW-19	Selenium	4/13/2020	4/28/2020	15	180	OK
MW-19	Silver	4/13/2020	4/28/2020	15	180	OK
MW-19	Sodium	4/13/2020	5/1/2020	18	180	OK
MW-19	Sulfate	4/13/2020	4/28/2020	15	28	OK
MW-19	Tetrahydrofuran	4/13/2020	4/17/2020	4	14	OK
MW-19	Thallium	4/13/2020	4/28/2020	15	180	OK
MW-19	Tin	4/13/2020	4/28/2020	15	180	OK
MW-19	Toluene	4/13/2020	4/17/2020	4	14	OK
MW-19	Uranium	4/13/2020	4/28/2020	15	180	OK
MW-19	Vanadium	4/13/2020	5/1/2020	18	180	OK
MW-19	Xylenes, Total	4/13/2020	4/17/2020	4	14	OK
MW-19	Zinc	4/13/2020	4/28/2020	15	180	OK
MW-20	2-Butanone	4/21/2020	4/23/2020	2	14	OK
MW-20	Acetone	4/21/2020	4/23/2020	2	14	OK
MW-20	Ammonia (as N)	4/21/2020	5/4/2020	13	28	OK
MW-20	Arsenic	4/21/2020	4/28/2020	7	180	OK
MW-20	Benzene	4/21/2020	4/23/2020	2	14	OK
MW-20	Beryllium	4/21/2020	4/28/2020	7	180	OK
MW-20	Bicarbonate (as CaCO3)	4/21/2020	4/24/2020	3	14	OK
MW-20	Cadmium	4/21/2020	4/28/2020	7	180	OK
MW-20	Calcium	4/21/2020	5/4/2020	13	180	OK
MW-20	Carbon tetrachloride	4/21/2020	4/23/2020	2	14	OK
MW-20	Carbonate (as CaCO3)	4/21/2020	4/24/2020	3	14	OK
MW-20	Chloride	4/21/2020	5/1/2020	10	28	OK
MW-20	Chloroform	4/21/2020	4/23/2020	2	14	OK
MW-20	Chloromethane	4/21/2020	4/23/2020	2	14	OK
MW-20	Chromium	4/21/2020	4/28/2020	7	180	OK
MW-20	Cobalt	4/21/2020	4/28/2020	7	180	OK
MW-20	Copper	4/21/2020	4/28/2020	7	180	OK
MW-20	Fluoride	4/21/2020	5/2/2020	11	28	OK
MW-20	Gross Radium Alpha	4/21/2020	5/11/2020	20	180	OK
MW-20	Iron	4/21/2020	4/28/2020	7	180	OK
MW-20	Lead	4/21/2020	4/28/2020	7	180	OK
MW-20	Magnesium	4/21/2020	5/4/2020	13	180	OK
MW-20	Manganese	4/21/2020	4/28/2020	7	180	OK
MW-20	Mercury	4/21/2020	4/27/2020	6	180	OK
MW-20	Methylene chloride	4/21/2020	4/23/2020	2	14	OK
MW-20	Molybdenum	4/21/2020	4/28/2020	7	180	OK
MW-20	Naphthalene	4/21/2020	4/23/2020	2	14	OK
MW-20	Nickel	4/21/2020	4/28/2020	7	180	OK
MW-20	Nitrate/Nitrite (as N)	4/21/2020	4/24/2020	3	28	OK
MW-20	Potassium	4/21/2020	5/4/2020	13	180	OK
MW-20	Selenium	4/21/2020	4/28/2020	7	180	OK
MW-20	Silver	4/21/2020	4/28/2020	7	180	OK
MW-20	Sodium	4/21/2020	5/4/2020	13	180	OK
MW-20	Sulfate	4/21/2020	5/1/2020	10	28	OK
MW-20	Tetrahydrofuran	4/21/2020	4/23/2020	2	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-20	Thallium	4/21/2020	4/28/2020	7	180	OK
MW-20	Tin	4/21/2020	4/28/2020	7	180	OK
MW-20	Toluene	4/21/2020	4/23/2020	2	14	OK
MW-20	Uranium	4/21/2020	4/30/2020	9	180	OK
MW-20	Vanadium	4/21/2020	5/4/2020	13	180	OK
MW-20	Xylenes, Total	4/21/2020	4/23/2020	2	14	OK
MW-20	Zinc	4/21/2020	5/7/2020	16	180	OK
MW-22	2-Butanone	4/15/2020	4/17/2020	2	14	OK
MW-22	Acetone	4/15/2020	4/17/2020	2	14	OK
MW-22	Ammonia (as N)	4/15/2020	4/23/2020	8	28	OK
MW-22	Arsenic	4/15/2020	4/28/2020	13	180	OK
MW-22	Benzene	4/15/2020	4/17/2020	2	14	OK
MW-22	Beryllium	4/15/2020	4/28/2020	13	180	OK
MW-22	Bicarbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-22	Cadmium	4/15/2020	4/28/2020	13	180	OK
MW-22	Calcium	4/15/2020	5/1/2020	16	180	OK
MW-22	Carbon tetrachloride	4/15/2020	4/17/2020	2	14	OK
MW-22	Carbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-22	Chloride	4/15/2020	4/28/2020	13	28	OK
MW-22	Chloroform	4/15/2020	4/17/2020	2	14	OK
MW-22	Chloromethane	4/15/2020	4/17/2020	2	14	OK
MW-22	Chromium	4/15/2020	4/28/2020	13	180	OK
MW-22	Cobalt	4/15/2020	4/28/2020	13	180	OK
MW-22	Copper	4/15/2020	4/28/2020	13	180	OK
MW-22	Fluoride	4/15/2020	4/28/2020	13	28	OK
MW-22	Gross Radium Alpha	4/15/2020	5/6/2020	21	180	OK
MW-22	Iron	4/15/2020	4/28/2020	13	180	OK
MW-22	Lead	4/15/2020	4/28/2020	13	180	OK
MW-22	Magnesium	4/15/2020	5/1/2020	16	180	OK
MW-22	Manganese	4/15/2020	4/28/2020	13	180	OK
MW-22	Mercury	4/15/2020	4/22/2020	7	180	OK
MW-22	Methylene chloride	4/15/2020	4/17/2020	2	14	OK
MW-22	Molybdenum	4/15/2020	4/28/2020	13	180	OK
MW-22	Naphthalene	4/15/2020	4/17/2020	2	14	OK
MW-22	Nickel	4/15/2020	4/28/2020	13	180	OK
MW-22	Nitrate/Nitrite (as N)	4/15/2020	4/21/2020	6	28	OK
MW-22	Potassium	4/15/2020	5/1/2020	16	180	OK
MW-22	Selenium	4/15/2020	4/28/2020	13	180	OK
MW-22	Silver	4/15/2020	4/28/2020	13	180	OK
MW-22	Sodium	4/15/2020	5/1/2020	16	180	OK
MW-22	Sulfate	4/15/2020	4/28/2020	13	28	OK
MW-22	Tetrahydrofuran	4/15/2020	4/17/2020	2	14	OK
MW-22	Thallium	4/15/2020	4/28/2020	13	180	OK
MW-22	Tin	4/15/2020	4/28/2020	13	180	OK
MW-22	Toluene	4/15/2020	4/17/2020	2	14	OK
MW-22	Uranium	4/15/2020	4/28/2020	13	180	OK
MW-22	Vanadium	4/15/2020	5/1/2020	16	180	OK
MW-22	Xylenes, Total	4/15/2020	4/17/2020	2	14	OK
MW-22	Zinc	4/15/2020	4/28/2020	13	180	OK
MW-23	2-Butanone	4/21/2020	4/23/2020	2	14	OK
MW-23	Acetone	4/21/2020	4/23/2020	2	14	OK
MW-23	Ammonia (as N)	4/21/2020	5/4/2020	13	28	OK
MW-23	Arsenic	4/21/2020	4/28/2020	7	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-23	Benzene	4/21/2020	4/23/2020	2	14	OK
MW-23	Beryllium	4/21/2020	4/28/2020	7	180	OK
MW-23	Bicarbonate (as CaCO3)	4/21/2020	4/24/2020	3	14	OK
MW-23	Cadmium	4/21/2020	4/28/2020	7	180	OK
MW-23	Calcium	4/21/2020	5/4/2020	13	180	OK
MW-23	Carbon tetrachloride	4/21/2020	4/23/2020	2	14	OK
MW-23	Carbonate (as CaCO3)	4/21/2020	4/24/2020	3	14	OK
MW-23	Chloride	4/21/2020	5/2/2020	11	28	OK
MW-23	Chloroform	4/21/2020	4/23/2020	2	14	OK
MW-23	Chloromethane	4/21/2020	4/23/2020	2	14	OK
MW-23	Chromium	4/21/2020	4/28/2020	7	180	OK
MW-23	Cobalt	4/21/2020	4/28/2020	7	180	OK
MW-23	Copper	4/21/2020	4/28/2020	7	180	OK
MW-23	Fluoride	4/21/2020	5/2/2020	11	28	OK
MW-23	Gross Radium Alpha	4/21/2020	5/11/2020	20	180	OK
MW-23	Iron	4/21/2020	4/28/2020	7	180	OK
MW-23	Lead	4/21/2020	4/28/2020	7	180	OK
MW-23	Magnesium	4/21/2020	5/4/2020	13	180	OK
MW-23	Manganese	4/21/2020	4/28/2020	7	180	OK
MW-23	Mercury	4/21/2020	4/27/2020	6	180	OK
MW-23	Methylene chloride	4/21/2020	4/23/2020	2	14	OK
MW-23	Molybdenum	4/21/2020	4/28/2020	7	180	OK
MW-23	Naphthalene	4/21/2020	4/23/2020	2	14	OK
MW-23	Nickel	4/21/2020	4/28/2020	7	180	OK
MW-23	Nitrate/Nitrite (as N)	4/21/2020	4/24/2020	3	28	OK
MW-23	Potassium	4/21/2020	5/4/2020	13	180	OK
MW-23	Selenium	4/21/2020	4/28/2020	7	180	OK
MW-23	Silver	4/21/2020	4/28/2020	7	180	OK
MW-23	Sodium	4/21/2020	5/4/2020	13	180	OK
MW-23	Sulfate	4/21/2020	5/1/2020	10	28	OK
MW-23	Tetrahydrofuran	4/21/2020	4/23/2020	2	14	OK
MW-23	Thallium	4/21/2020	4/28/2020	7	180	OK
MW-23	Tin	4/21/2020	4/28/2020	7	180	OK
MW-23	Toluene	4/21/2020	4/23/2020	2	14	OK
MW-23	Uranium	4/21/2020	4/30/2020	9	180	OK
MW-23	Vanadium	4/21/2020	5/4/2020	13	180	OK
MW-23	Xylenes, Total	4/21/2020	4/23/2020	2	14	OK
MW-23	Zinc	4/21/2020	4/28/2020	7	180	OK
MW-24	2-Butanone	4/22/2020	4/23/2020	1	14	OK
MW-24	Acetone	4/22/2020	4/23/2020	1	14	OK
MW-24	Ammonia (as N)	4/22/2020	5/4/2020	12	28	OK
MW-24	Arsenic	4/22/2020	4/28/2020	6	180	OK
MW-24	Benzene	4/22/2020	4/23/2020	1	14	OK
MW-24	Beryllium	4/22/2020	4/28/2020	6	180	OK
MW-24	Bicarbonate (as CaCO3)	4/22/2020	4/24/2020	2	14	OK
MW-24	Cadmium	4/22/2020	4/28/2020	6	180	OK
MW-24	Calcium	4/22/2020	5/4/2020	12	180	OK
MW-24	Carbon tetrachloride	4/22/2020	4/23/2020	1	14	OK
MW-24	Carbonate (as CaCO3)	4/22/2020	4/24/2020	2	14	OK
MW-24	Chloride	4/22/2020	5/2/2020	10	28	OK
MW-24	Chloroform	4/22/2020	4/23/2020	1	14	OK
MW-24	Chloromethane	4/22/2020	4/23/2020	1	14	OK
MW-24	Chromium	4/22/2020	4/28/2020	6	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-24	Cobalt	4/22/2020	4/28/2020	6	180	OK
MW-24	Copper	4/22/2020	4/28/2020	6	180	OK
MW-24	Fluoride	4/22/2020	5/2/2020	10	28	OK
MW-24	Gross Radium Alpha	4/22/2020	5/11/2020	19	180	OK
MW-24	Iron	4/22/2020	4/28/2020	6	180	OK
MW-24	Lead	4/22/2020	4/28/2020	6	180	OK
MW-24	Magnesium	4/22/2020	5/4/2020	12	180	OK
MW-24	Manganese	4/22/2020	4/28/2020	6	180	OK
MW-24	Mercury	4/22/2020	4/27/2020	5	180	OK
MW-24	Methylene chloride	4/22/2020	4/23/2020	1	14	OK
MW-24	Molybdenum	4/22/2020	4/28/2020	6	180	OK
MW-24	Naphthalene	4/22/2020	4/23/2020	1	14	OK
MW-24	Nickel	4/22/2020	4/28/2020	6	180	OK
MW-24	Nitrate/Nitrite (as N)	4/22/2020	4/24/2020	2	28	OK
MW-24	Potassium	4/22/2020	5/4/2020	12	180	OK
MW-24	Selenium	4/22/2020	4/28/2020	6	180	OK
MW-24	Silver	4/22/2020	4/28/2020	6	180	OK
MW-24	Sodium	4/22/2020	5/4/2020	12	180	OK
MW-24	Sulfate	4/22/2020	5/1/2020	9	28	OK
MW-24	Tetrahydrofuran	4/22/2020	4/23/2020	1	14	OK
MW-24	Thallium	4/22/2020	4/28/2020	6	180	OK
MW-24	Tin	4/22/2020	4/28/2020	6	180	OK
MW-24	Toluene	4/22/2020	4/23/2020	1	14	OK
MW-24	Uranium	4/22/2020	4/30/2020	8	180	OK
MW-24	Vanadium	4/22/2020	5/4/2020	12	180	OK
MW-24	Xylenes, Total	4/22/2020	4/23/2020	1	14	OK
MW-24	Zinc	4/22/2020	4/28/2020	6	180	OK
MW-24A	2-Butanone	4/14/2020	4/17/2020	3	14	OK
MW-24A	Acetone	4/14/2020	4/17/2020	3	14	OK
MW-24A	Ammonia (as N)	4/14/2020	4/23/2020	9	28	OK
MW-24A	Arsenic	4/14/2020	4/28/2020	14	180	OK
MW-24A	Benzene	4/14/2020	4/17/2020	3	14	OK
MW-24A	Beryllium	4/14/2020	4/28/2020	14	180	OK
MW-24A	Bicarbonate (as CaCO3)	4/14/2020	4/20/2020	6	14	OK
MW-24A	Cadmium	4/14/2020	4/28/2020	14	180	OK
MW-24A	Calcium	4/14/2020	5/1/2020	17	180	OK
MW-24A	Carbon tetrachloride	4/14/2020	4/17/2020	3	14	OK
MW-24A	Carbonate (as CaCO3)	4/14/2020	4/20/2020	6	14	OK
MW-24A	Chloride	4/14/2020	4/28/2020	14	28	OK
MW-24A	Chloroform	4/14/2020	4/17/2020	3	14	OK
MW-24A	Chloromethane	4/14/2020	4/17/2020	3	14	OK
MW-24A	Chromium	4/14/2020	4/28/2020	14	180	OK
MW-24A	Cobalt	4/14/2020	4/28/2020	14	180	OK
MW-24A	Copper	4/14/2020	4/28/2020	14	180	OK
MW-24A	Fluoride	4/14/2020	4/29/2020	15	28	OK
MW-24A	Gross Radium Alpha	4/14/2020	5/6/2020	22	180	OK
MW-24A	Iron	4/14/2020	4/28/2020	14	180	OK
MW-24A	Lead	4/14/2020	4/28/2020	14	180	OK
MW-24A	Magnesium	4/14/2020	5/1/2020	17	180	OK
MW-24A	Manganese	4/14/2020	4/28/2020	14	180	OK
MW-24A	Mercury	4/14/2020	4/22/2020	8	180	OK
MW-24A	Methylene chloride	4/14/2020	4/17/2020	3	14	OK
MW-24A	Molybdenum	4/14/2020	4/28/2020	14	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-24A	Naphthalene	4/14/2020	4/17/2020	3	14	OK
MW-24A	Nickel	4/14/2020	4/28/2020	14	180	OK
MW-24A	Nitrate/Nitrite (as N)	4/14/2020	4/21/2020	7	28	OK
MW-24A	Potassium	4/14/2020	5/1/2020	17	180	OK
MW-24A	Selenium	4/14/2020	4/28/2020	14	180	OK
MW-24A	Silver	4/14/2020	4/28/2020	14	180	OK
MW-24A	Sodium	4/14/2020	5/1/2020	17	180	OK
MW-24A	Sulfate	4/14/2020	4/28/2020	14	28	OK
MW-24A	Tetrahydrofuran	4/14/2020	4/17/2020	3	14	OK
MW-24A	Thallium	4/14/2020	4/28/2020	14	180	OK
MW-24A	Tin	4/14/2020	4/28/2020	14	180	OK
MW-24A	Toluene	4/14/2020	4/17/2020	3	14	OK
MW-24A	Uranium	4/14/2020	4/28/2020	14	180	OK
MW-24A	Vanadium	4/14/2020	5/1/2020	17	180	OK
MW-24A	Xylenes, Total	4/14/2020	4/17/2020	3	14	OK
MW-24A	Zinc	4/14/2020	4/28/2020	14	180	OK
MW-25	2-Butanone	4/7/2020	4/10/2020	3	14	OK
MW-25	Acetone	4/7/2020	4/10/2020	3	14	OK
MW-25	Ammonia (as N)	4/7/2020	4/20/2020	13	28	OK
MW-25	Arsenic	4/7/2020	4/23/2020	16	180	OK
MW-25	Benzene	4/7/2020	4/10/2020	3	14	OK
MW-25	Beryllium	4/7/2020	4/23/2020	16	180	OK
MW-25	Bicarbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-25	Cadmium	4/7/2020	4/23/2020	16	180	OK
MW-25	Calcium	4/7/2020	4/24/2020	17	180	OK
MW-25	Carbon tetrachloride	4/7/2020	4/10/2020	3	14	OK
MW-25	Carbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-25	Chloride	4/7/2020	4/21/2020	14	28	OK
MW-25	Chloroform	4/7/2020	4/10/2020	3	14	OK
MW-25	Chloromethane	4/7/2020	4/10/2020	3	14	OK
MW-25	Chromium	4/7/2020	4/23/2020	16	180	OK
MW-25	Cobalt	4/7/2020	4/23/2020	16	180	OK
MW-25	Copper	4/7/2020	4/23/2020	16	180	OK
MW-25	Fluoride	4/7/2020	4/21/2020	14	28	OK
MW-25	Gross Radium Alpha	4/7/2020	4/29/2020	22	180	OK
MW-25	Iron	4/7/2020	4/23/2020	16	180	OK
MW-25	Lead	4/7/2020	4/23/2020	16	180	OK
MW-25	Magnesium	4/7/2020	4/24/2020	17	180	OK
MW-25	Manganese	4/7/2020	4/24/2020	17	180	OK
MW-25	Mercury	4/7/2020	4/17/2020	10	180	OK
MW-25	Methylene chloride	4/7/2020	4/10/2020	3	14	OK
MW-25	Molybdenum	4/7/2020	4/23/2020	16	180	OK
MW-25	Naphthalene	4/7/2020	4/10/2020	3	14	OK
MW-25	Nickel	4/7/2020	4/23/2020	16	180	OK
MW-25	Nitrate/Nitrite (as N)	4/7/2020	4/14/2020	7	28	OK
MW-25	Potassium	4/7/2020	4/24/2020	17	180	OK
MW-25	Selenium	4/7/2020	4/23/2020	16	180	OK
MW-25	Silver	4/7/2020	4/24/2020	17	180	OK
MW-25	Sodium	4/7/2020	4/24/2020	17	180	OK
MW-25	Sulfate	4/7/2020	4/20/2020	13	28	OK
MW-25	Tetrahydrofuran	4/7/2020	4/10/2020	3	14	OK
MW-25	Thallium	4/7/2020	4/24/2020	17	180	OK
MW-25	Tin	4/7/2020	4/23/2020	16	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-25	Toluene	4/7/2020	4/10/2020	3	14	OK
MW-25	Uranium	4/7/2020	4/23/2020	16	180	OK
MW-25	Vanadium	4/7/2020	4/27/2020	20	180	OK
MW-25	Xylenes, Total	4/7/2020	4/10/2020	3	14	OK
MW-25	Zinc	4/7/2020	4/23/2020	16	180	OK
MW-26	2-Butanone	4/8/2020	4/10/2020	2	14	OK
MW-26	Acetone	4/8/2020	4/10/2020	2	14	OK
MW-26	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
MW-26	Arsenic	4/8/2020	4/23/2020	15	180	OK
MW-26	Benzene	4/8/2020	4/10/2020	2	14	OK
MW-26	Beryllium	4/8/2020	4/23/2020	15	180	OK
MW-26	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-26	Cadmium	4/8/2020	4/23/2020	15	180	OK
MW-26	Calcium	4/8/2020	4/24/2020	16	180	OK
MW-26	Carbon tetrachloride	4/8/2020	4/10/2020	2	14	OK
MW-26	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-26	Chloride	4/8/2020	4/21/2020	13	28	OK
MW-26	Chloroform	4/8/2020	4/13/2020	5	14	OK
MW-26	Chloromethane	4/8/2020	4/10/2020	2	14	OK
MW-26	Chromium	4/8/2020	4/23/2020	15	180	OK
MW-26	Cobalt	4/8/2020	4/23/2020	15	180	OK
MW-26	Copper	4/8/2020	4/23/2020	15	180	OK
MW-26	Fluoride	4/8/2020	4/21/2020	13	28	OK
MW-26	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
MW-26	Iron	4/8/2020	4/24/2020	16	180	OK
MW-26	Lead	4/8/2020	4/23/2020	15	180	OK
MW-26	Magnesium	4/8/2020	4/24/2020	16	180	OK
MW-26	Manganese	4/8/2020	4/24/2020	16	180	OK
MW-26	Mercury	4/8/2020	4/17/2020	9	180	OK
MW-26	Methylene chloride	4/8/2020	4/10/2020	2	14	OK
MW-26	Molybdenum	4/8/2020	4/23/2020	15	180	OK
MW-26	Naphthalene	4/8/2020	4/10/2020	2	14	OK
MW-26	Nickel	4/8/2020	4/23/2020	15	180	OK
MW-26	Nitrate/Nitrite (as N)	4/8/2020	4/14/2020	6	28	OK
MW-26	Potassium	4/8/2020	4/24/2020	16	180	OK
MW-26	Selenium	4/8/2020	4/23/2020	15	180	OK
MW-26	Silver	4/8/2020	4/24/2020	16	180	OK
MW-26	Sodium	4/8/2020	4/27/2020	19	180	OK
MW-26	Sulfate	4/8/2020	4/21/2020	13	28	OK
MW-26	Tetrahydrofuran	4/8/2020	4/10/2020	2	14	OK
MW-26	Thallium	4/8/2020	4/24/2020	16	180	OK
MW-26	Tin	4/8/2020	4/23/2020	15	180	OK
MW-26	Toluene	4/8/2020	4/10/2020	2	14	OK
MW-26	Uranium	4/8/2020	4/23/2020	15	180	OK
MW-26	Vanadium	4/8/2020	4/27/2020	19	180	OK
MW-26	Xylenes, Total	4/8/2020	4/10/2020	2	14	OK
MW-26	Zinc	4/8/2020	4/23/2020	15	180	OK
MW-27	2-Butanone	4/8/2020	4/10/2020	2	14	OK
MW-27	Acetone	4/8/2020	4/10/2020	2	14	OK
MW-27	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
MW-27	Arsenic	4/8/2020	4/23/2020	15	180	OK
MW-27	Benzene	4/8/2020	4/10/2020	2	14	OK
MW-27	Beryllium	4/8/2020	4/23/2020	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-27	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-27	Cadmium	4/8/2020	4/23/2020	15	180	OK
MW-27	Calcium	4/8/2020	4/24/2020	16	180	OK
MW-27	Carbon tetrachloride	4/8/2020	4/10/2020	2	14	OK
MW-27	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-27	Chloride	4/8/2020	4/21/2020	13	28	OK
MW-27	Chloroform	4/8/2020	4/10/2020	2	14	OK
MW-27	Chloromethane	4/8/2020	4/10/2020	2	14	OK
MW-27	Chromium	4/8/2020	4/23/2020	15	180	OK
MW-27	Cobalt	4/8/2020	4/23/2020	15	180	OK
MW-27	Copper	4/8/2020	4/23/2020	15	180	OK
MW-27	Fluoride	4/8/2020	4/21/2020	13	28	OK
MW-27	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
MW-27	Iron	4/8/2020	4/23/2020	15	180	OK
MW-27	Lead	4/8/2020	4/23/2020	15	180	OK
MW-27	Magnesium	4/8/2020	4/24/2020	16	180	OK
MW-27	Manganese	4/8/2020	4/23/2020	15	180	OK
MW-27	Mercury	4/8/2020	4/17/2020	9	180	OK
MW-27	Methylene chloride	4/8/2020	4/10/2020	2	14	OK
MW-27	Molybdenum	4/8/2020	4/23/2020	15	180	OK
MW-27	Naphthalene	4/8/2020	4/10/2020	2	14	OK
MW-27	Nickel	4/8/2020	4/23/2020	15	180	OK
MW-27	Nitrate/Nitrite (as N)	4/8/2020	4/14/2020	6	28	OK
MW-27	Potassium	4/8/2020	4/24/2020	16	180	OK
MW-27	Selenium	4/8/2020	4/23/2020	15	180	OK
MW-27	Silver	4/8/2020	4/24/2020	16	180	OK
MW-27	Sodium	4/8/2020	4/27/2020	19	180	OK
MW-27	Sulfate	4/8/2020	4/21/2020	13	28	OK
MW-27	Tetrahydrofuran	4/8/2020	4/10/2020	2	14	OK
MW-27	Thallium	4/8/2020	4/24/2020	16	180	OK
MW-27	Tin	4/8/2020	4/23/2020	15	180	OK
MW-27	Toluene	4/8/2020	4/10/2020	2	14	OK
MW-27	Uranium	4/8/2020	4/23/2020	15	180	OK
MW-27	Vanadium	4/8/2020	4/27/2020	19	180	OK
MW-27	Xylenes, Total	4/8/2020	4/10/2020	2	14	OK
MW-27	Zinc	4/8/2020	4/23/2020	15	180	OK
MW-28	2-Butanone	4/15/2020	4/17/2020	2	14	OK
MW-28	Acetone	4/15/2020	4/17/2020	2	14	OK
MW-28	Ammonia (as N)	4/15/2020	4/23/2020	8	28	OK
MW-28	Arsenic	4/15/2020	4/28/2020	13	180	OK
MW-28	Benzene	4/15/2020	4/17/2020	2	14	OK
MW-28	Beryllium	4/15/2020	4/28/2020	13	180	OK
MW-28	Bicarbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-28	Cadmium	4/15/2020	5/5/2020	20	180	OK
MW-28	Calcium	4/15/2020	5/1/2020	16	180	OK
MW-28	Carbon tetrachloride	4/15/2020	4/17/2020	2	14	OK
MW-28	Carbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-28	Chloride	4/15/2020	4/28/2020	13	28	OK
MW-28	Chloroform	4/15/2020	4/17/2020	2	14	OK
MW-28	Chloromethane	4/15/2020	4/17/2020	2	14	OK
MW-28	Chromium	4/15/2020	4/28/2020	13	180	OK
MW-28	Cobalt	4/15/2020	4/28/2020	13	180	OK
MW-28	Copper	4/15/2020	4/28/2020	13	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-28	Fluoride	4/15/2020	4/29/2020	14	28	OK
MW-28	Gross Radium Alpha	4/15/2020	5/6/2020	21	180	OK
MW-28	Iron	4/15/2020	4/28/2020	13	180	OK
MW-28	Lead	4/15/2020	4/28/2020	13	180	OK
MW-28	Magnesium	4/15/2020	5/1/2020	16	180	OK
MW-28	Manganese	4/15/2020	4/28/2020	13	180	OK
MW-28	Mercury	4/15/2020	4/22/2020	7	180	OK
MW-28	Methylene chloride	4/15/2020	4/17/2020	2	14	OK
MW-28	Molybdenum	4/15/2020	4/28/2020	13	180	OK
MW-28	Naphthalene	4/15/2020	4/17/2020	2	14	OK
MW-28	Nickel	4/15/2020	4/28/2020	13	180	OK
MW-28	Nitrate/Nitrite (as N)	4/15/2020	4/21/2020	6	28	OK
MW-28	Potassium	4/15/2020	5/1/2020	16	180	OK
MW-28	Selenium	4/15/2020	4/28/2020	13	180	OK
MW-28	Silver	4/15/2020	4/28/2020	13	180	OK
MW-28	Sodium	4/15/2020	5/1/2020	16	180	OK
MW-28	Sulfate	4/15/2020	4/28/2020	13	28	OK
MW-28	Tetrahydrofuran	4/15/2020	4/17/2020	2	14	OK
MW-28	Thallium	4/15/2020	4/28/2020	13	180	OK
MW-28	Tin	4/15/2020	4/28/2020	13	180	OK
MW-28	Toluene	4/15/2020	4/17/2020	2	14	OK
MW-28	Uranium	4/15/2020	4/28/2020	13	180	OK
MW-28	Vanadium	4/15/2020	5/1/2020	16	180	OK
MW-28	Xylenes, Total	4/15/2020	4/17/2020	2	14	OK
MW-28	Zinc	4/15/2020	4/28/2020	13	180	OK
MW-29	2-Butanone	4/8/2020	4/10/2020	2	14	OK
MW-29	Acetone	4/8/2020	4/10/2020	2	14	OK
MW-29	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
MW-29	Arsenic	4/8/2020	4/23/2020	15	180	OK
MW-29	Benzene	4/8/2020	4/10/2020	2	14	OK
MW-29	Beryllium	4/8/2020	4/23/2020	15	180	OK
MW-29	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-29	Cadmium	4/8/2020	4/23/2020	15	180	OK
MW-29	Calcium	4/8/2020	4/24/2020	16	180	OK
MW-29	Carbon tetrachloride	4/8/2020	4/10/2020	2	14	OK
MW-29	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-29	Chloride	4/8/2020	4/21/2020	13	28	OK
MW-29	Chloroform	4/8/2020	4/10/2020	2	14	OK
MW-29	Chloromethane	4/8/2020	4/10/2020	2	14	OK
MW-29	Chromium	4/8/2020	4/23/2020	15	180	OK
MW-29	Cobalt	4/8/2020	4/23/2020	15	180	OK
MW-29	Copper	4/8/2020	4/23/2020	15	180	OK
MW-29	Fluoride	4/8/2020	4/21/2020	13	28	OK
MW-29	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
MW-29	Iron	4/8/2020	4/24/2020	16	180	OK
MW-29	Lead	4/8/2020	4/23/2020	15	180	OK
MW-29	Magnesium	4/8/2020	4/24/2020	16	180	OK
MW-29	Manganese	4/8/2020	4/24/2020	16	180	OK
MW-29	Mercury	4/8/2020	4/17/2020	9	180	OK
MW-29	Methylene chloride	4/8/2020	4/10/2020	2	14	OK
MW-29	Molybdenum	4/8/2020	4/23/2020	15	180	OK
MW-29	Naphthalene	4/8/2020	4/10/2020	2	14	OK
MW-29	Nickel	4/8/2020	4/23/2020	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-29	Nitrate/Nitrite (as N)	4/8/2020	4/14/2020	6	28	OK
MW-29	Potassium	4/8/2020	4/24/2020	16	180	OK
MW-29	Selenium	4/8/2020	4/23/2020	15	180	OK
MW-29	Silver	4/8/2020	4/24/2020	16	180	OK
MW-29	Sodium	4/8/2020	4/24/2020	16	180	OK
MW-29	Sulfate	4/8/2020	4/20/2020	12	28	OK
MW-29	Tetrahydrofuran	4/8/2020	4/10/2020	2	14	OK
MW-29	Thallium	4/8/2020	4/24/2020	16	180	OK
MW-29	Tin	4/8/2020	4/23/2020	15	180	OK
MW-29	Toluene	4/8/2020	4/10/2020	2	14	OK
MW-29	Uranium	4/8/2020	4/24/2020	16	180	OK
MW-29	Vanadium	4/8/2020	4/27/2020	19	180	OK
MW-29	Xylenes, Total	4/8/2020	4/10/2020	2	14	OK
MW-29	Zinc	4/8/2020	4/23/2020	15	180	OK
MW-30	2-Butanone	4/6/2020	4/13/2020	7	14	OK
MW-30	Acetone	4/6/2020	4/13/2020	7	14	OK
MW-30	Ammonia (as N)	4/6/2020	4/20/2020	14	28	OK
MW-30	Arsenic	4/6/2020	4/23/2020	17	180	OK
MW-30	Benzene	4/6/2020	4/13/2020	7	14	OK
MW-30	Beryllium	4/6/2020	4/23/2020	17	180	OK
MW-30	Bicarbonate (as CaCO3)	4/6/2020	4/13/2020	7	14	OK
MW-30	Cadmium	4/6/2020	4/23/2020	17	180	OK
MW-30	Calcium	4/6/2020	4/24/2020	18	180	OK
MW-30	Carbon tetrachloride	4/6/2020	4/13/2020	7	14	OK
MW-30	Carbonate (as CaCO3)	4/6/2020	4/13/2020	7	14	OK
MW-30	Chloride	4/6/2020	4/20/2020	14	28	OK
MW-30	Chloroform	4/6/2020	4/13/2020	7	14	OK
MW-30	Chloromethane	4/6/2020	4/13/2020	7	14	OK
MW-30	Chromium	4/6/2020	4/23/2020	17	180	OK
MW-30	Cobalt	4/6/2020	4/23/2020	17	180	OK
MW-30	Copper	4/6/2020	4/23/2020	17	180	OK
MW-30	Fluoride	4/6/2020	4/21/2020	15	28	OK
MW-30	Gross Radium Alpha	4/6/2020	4/29/2020	23	180	OK
MW-30	Iron	4/6/2020	4/23/2020	17	180	OK
MW-30	Lead	4/6/2020	4/23/2020	17	180	OK
MW-30	Magnesium	4/6/2020	4/27/2020	21	180	OK
MW-30	Manganese	4/6/2020	4/23/2020	17	180	OK
MW-30	Mercury	4/6/2020	4/17/2020	11	180	OK
MW-30	Methylene chloride	4/6/2020	4/13/2020	7	14	OK
MW-30	Molybdenum	4/6/2020	4/23/2020	17	180	OK
MW-30	Naphthalene	4/6/2020	4/13/2020	7	14	OK
MW-30	Nickel	4/6/2020	4/23/2020	17	180	OK
MW-30	Nitrate/Nitrite (as N)	4/6/2020	4/14/2020	8	28	OK
MW-30	Potassium	4/6/2020	4/27/2020	21	180	OK
MW-30	Selenium	4/6/2020	4/23/2020	17	180	OK
MW-30	Silver	4/6/2020	4/24/2020	18	180	OK
MW-30	Sodium	4/6/2020	4/27/2020	21	180	OK
MW-30	Sulfate	4/6/2020	4/20/2020	14	28	OK
MW-30	Tetrahydrofuran	4/6/2020	4/13/2020	7	14	OK
MW-30	Thallium	4/6/2020	4/24/2020	18	180	OK
MW-30	Tin	4/6/2020	4/23/2020	17	180	OK
MW-30	Toluene	4/6/2020	4/13/2020	7	14	OK
MW-30	Uranium	4/6/2020	4/24/2020	18	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-30	Vanadium	4/6/2020	4/27/2020	21	180	OK
MW-30	Xylenes, Total	4/6/2020	4/13/2020	7	14	OK
MW-30	Zinc	4/6/2020	4/23/2020	17	180	OK
MW-31	2-Butanone	4/6/2020	4/13/2020	7	14	OK
MW-31	Acetone	4/6/2020	4/13/2020	7	14	OK
MW-31	Ammonia (as N)	4/6/2020	4/20/2020	14	28	OK
MW-31	Arsenic	4/6/2020	4/23/2020	17	180	OK
MW-31	Benzene	4/6/2020	4/13/2020	7	14	OK
MW-31	Beryllium	4/6/2020	4/23/2020	17	180	OK
MW-31	Bicarbonate (as CaCO3)	4/6/2020	4/13/2020	7	14	OK
MW-31	Cadmium	4/6/2020	4/23/2020	17	180	OK
MW-31	Calcium	4/6/2020	4/24/2020	18	180	OK
MW-31	Carbon tetrachloride	4/6/2020	4/13/2020	7	14	OK
MW-31	Carbonate (as CaCO3)	4/6/2020	4/13/2020	7	14	OK
MW-31	Chloride	4/6/2020	4/21/2020	15	28	OK
MW-31	Chloroform	4/6/2020	4/13/2020	7	14	OK
MW-31	Chloromethane	4/6/2020	4/13/2020	7	14	OK
MW-31	Chromium	4/6/2020	4/23/2020	17	180	OK
MW-31	Cobalt	4/6/2020	4/23/2020	17	180	OK
MW-31	Copper	4/6/2020	4/23/2020	17	180	OK
MW-31	Fluoride	4/6/2020	4/21/2020	15	28	OK
MW-31	Gross Radium Alpha	4/6/2020	5/4/2020	28	180	OK
MW-31	Iron	4/6/2020	4/23/2020	17	180	OK
MW-31	Lead	4/6/2020	4/23/2020	17	180	OK
MW-31	Magnesium	4/6/2020	4/27/2020	21	180	OK
MW-31	Manganese	4/6/2020	4/23/2020	17	180	OK
MW-31	Mercury	4/6/2020	4/17/2020	11	180	OK
MW-31	Methylene chloride	4/6/2020	4/13/2020	7	14	OK
MW-31	Molybdenum	4/6/2020	4/23/2020	17	180	OK
MW-31	Naphthalene	4/6/2020	4/13/2020	7	14	OK
MW-31	Nickel	4/6/2020	4/23/2020	17	180	OK
MW-31	Nitrate/Nitrite (as N)	4/6/2020	4/14/2020	8	28	OK
MW-31	Potassium	4/6/2020	4/27/2020	21	180	OK
MW-31	Selenium	4/6/2020	4/23/2020	17	180	OK
MW-31	Silver	4/6/2020	4/24/2020	18	180	OK
MW-31	Sodium	4/6/2020	4/27/2020	21	180	OK
MW-31	Sulfate	4/6/2020	4/21/2020	15	28	OK
MW-31	Tetrahydrofuran	4/6/2020	4/13/2020	7	14	OK
MW-31	Thallium	4/6/2020	4/24/2020	18	180	OK
MW-31	Tin	4/6/2020	4/23/2020	17	180	OK
MW-31	Toluene	4/6/2020	4/13/2020	7	14	OK
MW-31	Uranium	4/6/2020	4/24/2020	18	180	OK
MW-31	Vanadium	4/6/2020	4/27/2020	21	180	OK
MW-31	Xylenes, Total	4/6/2020	4/13/2020	7	14	OK
MW-31	Zinc	4/6/2020	4/23/2020	17	180	OK
MW-32	2-Butanone	4/7/2020	4/13/2020	6	14	OK
MW-32	Acetone	4/7/2020	4/13/2020	6	14	OK
MW-32	Ammonia (as N)	4/7/2020	4/20/2020	13	28	OK
MW-32	Arsenic	4/7/2020	4/23/2020	16	180	OK
MW-32	Benzene	4/7/2020	4/13/2020	6	14	OK
MW-32	Beryllium	4/7/2020	4/23/2020	16	180	OK
MW-32	Bicarbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-32	Cadmium	4/7/2020	4/23/2020	16	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-32	Calcium	4/7/2020	4/24/2020	17	180	OK
MW-32	Carbon tetrachloride	4/7/2020	4/13/2020	6	14	OK
MW-32	Carbonate (as CaCO3)	4/7/2020	4/13/2020	6	14	OK
MW-32	Chloride	4/7/2020	4/21/2020	14	28	OK
MW-32	Chloroform	4/7/2020	4/13/2020	6	14	OK
MW-32	Chloromethane	4/7/2020	4/13/2020	6	14	OK
MW-32	Chromium	4/7/2020	4/23/2020	16	180	OK
MW-32	Cobalt	4/7/2020	4/23/2020	16	180	OK
MW-32	Copper	4/7/2020	4/23/2020	16	180	OK
MW-32	Fluoride	4/7/2020	4/21/2020	14	28	OK
MW-32	Gross Radium Alpha	4/7/2020	4/29/2020	22	180	OK
MW-32	Iron	4/7/2020	4/24/2020	17	180	OK
MW-32	Lead	4/7/2020	4/23/2020	16	180	OK
MW-32	Magnesium	4/7/2020	4/27/2020	20	180	OK
MW-32	Manganese	4/7/2020	4/24/2020	17	180	OK
MW-32	Mercury	4/7/2020	4/17/2020	10	180	OK
MW-32	Methylene chloride	4/7/2020	4/13/2020	6	14	OK
MW-32	Molybdenum	4/7/2020	4/24/2020	17	180	OK
MW-32	Naphthalene	4/7/2020	4/13/2020	6	14	OK
MW-32	Nickel	4/7/2020	4/23/2020	16	180	OK
MW-32	Nitrate/Nitrite (as N)	4/7/2020	4/14/2020	7	28	OK
MW-32	Potassium	4/7/2020	4/27/2020	20	180	OK
MW-32	Selenium	4/7/2020	4/23/2020	16	180	OK
MW-32	Silver	4/7/2020	4/24/2020	17	180	OK
MW-32	Sodium	4/7/2020	4/27/2020	20	180	OK
MW-32	Sulfate	4/7/2020	4/20/2020	13	28	OK
MW-32	Tetrahydrofuran	4/7/2020	4/13/2020	6	14	OK
MW-32	Thallium	4/7/2020	4/24/2020	17	180	OK
MW-32	Tin	4/7/2020	4/23/2020	16	180	OK
MW-32	Toluene	4/7/2020	4/13/2020	6	14	OK
MW-32	Uranium	4/7/2020	4/24/2020	17	180	OK
MW-32	Vanadium	4/7/2020	4/27/2020	20	180	OK
MW-32	Xylenes, Total	4/7/2020	4/13/2020	6	14	OK
MW-32	Zinc	4/7/2020	4/23/2020	16	180	OK
MW-35	2-Butanone	4/9/2020	4/13/2020	4	14	OK
MW-35	Acetone	4/9/2020	4/13/2020	4	14	OK
MW-35	Ammonia (as N)	4/9/2020	4/20/2020	11	28	OK
MW-35	Arsenic	4/9/2020	4/23/2020	14	180	OK
MW-35	Benzene	4/9/2020	4/13/2020	4	14	OK
MW-35	Beryllium	4/9/2020	4/23/2020	14	180	OK
MW-35	Bicarbonate (as CaCO3)	4/9/2020	4/13/2020	4	14	OK
MW-35	Cadmium	4/9/2020	4/23/2020	14	180	OK
MW-35	Calcium	4/9/2020	4/24/2020	15	180	OK
MW-35	Carbon tetrachloride	4/9/2020	4/13/2020	4	14	OK
MW-35	Carbonate (as CaCO3)	4/9/2020	4/13/2020	4	14	OK
MW-35	Chloride	4/9/2020	4/22/2020	13	28	OK
MW-35	Chloroform	4/9/2020	4/13/2020	4	14	OK
MW-35	Chloromethane	4/9/2020	4/13/2020	4	14	OK
MW-35	Chromium	4/9/2020	4/23/2020	14	180	OK
MW-35	Cobalt	4/9/2020	4/23/2020	14	180	OK
MW-35	Copper	4/9/2020	4/23/2020	14	180	OK
MW-35	Fluoride	4/9/2020	4/22/2020	13	28	OK
MW-35	Gross Radium Alpha	4/9/2020	4/29/2020	20	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Iron	4/9/2020	4/23/2020	14	180	OK
MW-35	Lead	4/9/2020	4/23/2020	14	180	OK
MW-35	Magnesium	4/9/2020	4/27/2020	18	180	OK
MW-35	Manganese	4/9/2020	4/23/2020	14	180	OK
MW-35	Mercury	4/9/2020	4/17/2020	8	180	OK
MW-35	Methylene chloride	4/9/2020	4/13/2020	4	14	OK
MW-35	Molybdenum	4/9/2020	4/24/2020	15	180	OK
MW-35	Naphthalene	4/9/2020	4/13/2020	4	14	OK
MW-35	Nickel	4/9/2020	4/23/2020	14	180	OK
MW-35	Nitrate/Nitrite (as N)	4/9/2020	4/14/2020	5	28	OK
MW-35	Potassium	4/9/2020	4/27/2020	18	180	OK
MW-35	Selenium	4/9/2020	4/23/2020	14	180	OK
MW-35	Silver	4/9/2020	4/24/2020	15	180	OK
MW-35	Sodium	4/9/2020	4/24/2020	15	180	OK
MW-35	Sulfate	4/9/2020	4/21/2020	12	28	OK
MW-35	Tetrahydrofuran	4/9/2020	4/13/2020	4	14	OK
MW-35	Thallium	4/9/2020	4/24/2020	15	180	OK
MW-35	Tin	4/9/2020	4/23/2020	14	180	OK
MW-35	Toluene	4/9/2020	4/13/2020	4	14	OK
MW-35	Uranium	4/9/2020	4/24/2020	15	180	OK
MW-35	Vanadium	4/9/2020	4/27/2020	18	180	OK
MW-35	Xylenes, Total	4/9/2020	4/13/2020	4	14	OK
MW-35	Zinc	4/9/2020	4/23/2020	14	180	OK
MW-36	2-Butanone	4/9/2020	4/13/2020	4	14	OK
MW-36	Acetone	4/9/2020	4/13/2020	4	14	OK
MW-36	Ammonia (as N)	4/9/2020	4/20/2020	11	28	OK
MW-36	Arsenic	4/9/2020	4/23/2020	14	180	OK
MW-36	Benzene	4/9/2020	4/13/2020	4	14	OK
MW-36	Beryllium	4/9/2020	4/23/2020	14	180	OK
MW-36	Bicarbonate (as CaCO3)	4/9/2020	4/13/2020	4	14	OK
MW-36	Cadmium	4/9/2020	4/23/2020	14	180	OK
MW-36	Calcium	4/9/2020	4/24/2020	15	180	OK
MW-36	Carbon tetrachloride	4/9/2020	4/13/2020	4	14	OK
MW-36	Carbonate (as CaCO3)	4/9/2020	4/13/2020	4	14	OK
MW-36	Chloride	4/9/2020	4/22/2020	13	28	OK
MW-36	Chloroform	4/9/2020	4/13/2020	4	14	OK
MW-36	Chloromethane	4/9/2020	4/13/2020	4	14	OK
MW-36	Chromium	4/9/2020	4/23/2020	14	180	OK
MW-36	Cobalt	4/9/2020	4/23/2020	14	180	OK
MW-36	Copper	4/9/2020	4/23/2020	14	180	OK
MW-36	Fluoride	4/9/2020	4/22/2020	13	28	OK
MW-36	Gross Radium Alpha	4/9/2020	4/29/2020	20	180	OK
MW-36	Iron	4/9/2020	4/23/2020	14	180	OK
MW-36	Lead	4/9/2020	4/23/2020	14	180	OK
MW-36	Magnesium	4/9/2020	4/27/2020	18	180	OK
MW-36	Manganese	4/9/2020	4/23/2020	14	180	OK
MW-36	Mercury	4/9/2020	4/17/2020	8	180	OK
MW-36	Methylene chloride	4/9/2020	4/13/2020	4	14	OK
MW-36	Molybdenum	4/9/2020	4/24/2020	15	180	OK
MW-36	Naphthalene	4/9/2020	4/13/2020	4	14	OK
MW-36	Nickel	4/9/2020	4/23/2020	14	180	OK
MW-36	Nitrate/Nitrite (as N)	4/9/2020	4/14/2020	5	28	OK
MW-36	Potassium	4/9/2020	4/27/2020	18	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-36	Selenium	4/9/2020	4/23/2020	14	180	OK
MW-36	Silver	4/9/2020	4/24/2020	15	180	OK
MW-36	Sodium	4/9/2020	4/24/2020	15	180	OK
MW-36	Sulfate	4/9/2020	4/21/2020	12	28	OK
MW-36	Tetrahydrofuran	4/9/2020	4/13/2020	4	14	OK
MW-36	Thallium	4/9/2020	4/24/2020	15	180	OK
MW-36	Tin	4/9/2020	4/23/2020	14	180	OK
MW-36	Toluene	4/9/2020	4/13/2020	4	14	OK
MW-36	Uranium	4/9/2020	4/24/2020	15	180	OK
MW-36	Vanadium	4/9/2020	4/27/2020	18	180	OK
MW-36	Xylenes, Total	4/9/2020	4/13/2020	4	14	OK
MW-36	Zinc	4/9/2020	4/23/2020	14	180	OK
MW-37	2-Butanone	4/21/2020	4/23/2020	2	14	OK
MW-37	Acetone	4/21/2020	4/23/2020	2	14	OK
MW-37	Ammonia (as N)	4/21/2020	5/4/2020	13	28	OK
MW-37	Arsenic	4/21/2020	4/28/2020	7	180	OK
MW-37	Benzene	4/21/2020	4/23/2020	2	14	OK
MW-37	Beryllium	4/21/2020	4/28/2020	7	180	OK
MW-37	Bicarbonate (as CaCO3)	4/21/2020	4/24/2020	3	14	OK
MW-37	Cadmium	4/21/2020	4/28/2020	7	180	OK
MW-37	Calcium	4/21/2020	5/4/2020	13	180	OK
MW-37	Carbon tetrachloride	4/21/2020	4/23/2020	2	14	OK
MW-37	Carbonate (as CaCO3)	4/21/2020	4/24/2020	3	14	OK
MW-37	Chloride	4/21/2020	5/2/2020	11	28	OK
MW-37	Chloroform	4/21/2020	4/23/2020	2	14	OK
MW-37	Chloromethane	4/21/2020	4/23/2020	2	14	OK
MW-37	Chromium	4/21/2020	4/28/2020	7	180	OK
MW-37	Cobalt	4/21/2020	4/28/2020	7	180	OK
MW-37	Copper	4/21/2020	4/28/2020	7	180	OK
MW-37	Fluoride	4/21/2020	5/2/2020	11	28	OK
MW-37	Gross Radium Alpha	4/21/2020	5/11/2020	20	180	OK
MW-37	Iron	4/21/2020	4/28/2020	7	180	OK
MW-37	Lead	4/21/2020	4/28/2020	7	180	OK
MW-37	Magnesium	4/21/2020	5/4/2020	13	180	OK
MW-37	Manganese	4/21/2020	4/28/2020	7	180	OK
MW-37	Mercury	4/21/2020	4/27/2020	6	180	OK
MW-37	Methylene chloride	4/21/2020	4/23/2020	2	14	OK
MW-37	Molybdenum	4/21/2020	4/28/2020	7	180	OK
MW-37	Naphthalene	4/21/2020	4/23/2020	2	14	OK
MW-37	Nickel	4/21/2020	4/28/2020	7	180	OK
MW-37	Nitrate/Nitrite (as N)	4/21/2020	4/24/2020	3	28	OK
MW-37	Potassium	4/21/2020	5/4/2020	13	180	OK
MW-37	Selenium	4/21/2020	4/28/2020	7	180	OK
MW-37	Silver	4/21/2020	4/28/2020	7	180	OK
MW-37	Sodium	4/21/2020	5/4/2020	13	180	OK
MW-37	Sulfate	4/21/2020	5/1/2020	10	28	OK
MW-37	Tetrahydrofuran	4/21/2020	4/23/2020	2	14	OK
MW-37	Thallium	4/21/2020	4/28/2020	7	180	OK
MW-37	Tin	4/21/2020	4/28/2020	7	180	OK
MW-37	Toluene	4/21/2020	4/23/2020	2	14	OK
MW-37	Uranium	4/21/2020	4/30/2020	9	180	OK
MW-37	Vanadium	4/21/2020	5/4/2020	13	180	OK
MW-37	Xylenes, Total	4/21/2020	4/23/2020	2	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-37	Zinc	4/21/2020	4/28/2020	7	180	OK
MW-38	2-Butanone	4/22/2020	4/23/2020	1	14	OK
MW-38	Acetone	4/22/2020	4/23/2020	1	14	OK
MW-38	Ammonia (as N)	4/22/2020	5/4/2020	12	28	OK
MW-38	Arsenic	4/22/2020	4/28/2020	6	180	OK
MW-38	Benzene	4/22/2020	4/23/2020	1	14	OK
MW-38	Beryllium	4/22/2020	4/28/2020	6	180	OK
MW-38	Bicarbonate (as CaCO3)	4/22/2020	4/24/2020	2	14	OK
MW-38	Cadmium	4/22/2020	4/28/2020	6	180	OK
MW-38	Calcium	4/22/2020	5/4/2020	12	180	OK
MW-38	Carbon tetrachloride	4/22/2020	4/23/2020	1	14	OK
MW-38	Carbonate (as CaCO3)	4/22/2020	4/24/2020	2	14	OK
MW-38	Chloride	4/22/2020	5/2/2020	10	28	OK
MW-38	Chloroform	4/22/2020	4/23/2020	1	14	OK
MW-38	Chloromethane	4/22/2020	4/23/2020	1	14	OK
MW-38	Chromium	4/22/2020	4/28/2020	6	180	OK
MW-38	Cobalt	4/22/2020	4/28/2020	6	180	OK
MW-38	Copper	4/22/2020	4/28/2020	6	180	OK
MW-38	Fluoride	4/22/2020	5/2/2020	10	28	OK
MW-38	Gross Radium Alpha	4/22/2020	5/11/2020	19	180	OK
MW-38	Iron	4/22/2020	4/28/2020	6	180	OK
MW-38	Lead	4/22/2020	4/28/2020	6	180	OK
MW-38	Magnesium	4/22/2020	5/4/2020	12	180	OK
MW-38	Manganese	4/22/2020	4/28/2020	6	180	OK
MW-38	Mercury	4/22/2020	4/27/2020	5	180	OK
MW-38	Methylene chloride	4/22/2020	4/23/2020	1	14	OK
MW-38	Molybdenum	4/22/2020	4/28/2020	6	180	OK
MW-38	Naphthalene	4/22/2020	4/23/2020	1	14	OK
MW-38	Nickel	4/22/2020	4/28/2020	6	180	OK
MW-38	Nitrate/Nitrite (as N)	4/22/2020	4/24/2020	2	28	OK
MW-38	Potassium	4/22/2020	5/4/2020	12	180	OK
MW-38	Selenium	4/22/2020	4/28/2020	6	180	OK
MW-38	Silver	4/22/2020	4/28/2020	6	180	OK
MW-38	Sodium	4/22/2020	5/4/2020	12	180	OK
MW-38	Sulfate	4/22/2020	5/1/2020	9	28	OK
MW-38	Tetrahydrofuran	4/22/2020	4/23/2020	1	14	OK
MW-38	Thallium	4/22/2020	4/28/2020	6	180	OK
MW-38	Tin	4/22/2020	4/28/2020	6	180	OK
MW-38	Toluene	4/22/2020	4/23/2020	1	14	OK
MW-38	Uranium	4/22/2020	4/30/2020	8	180	OK
MW-38	Vanadium	4/22/2020	5/4/2020	12	180	OK
MW-38	Xylenes, Total	4/22/2020	4/23/2020	1	14	OK
MW-38	Zinc	4/22/2020	4/28/2020	6	180	OK
MW-39	2-Butanone	4/15/2020	4/17/2020	2	14	OK
MW-39	Acetone	4/15/2020	4/17/2020	2	14	OK
MW-39	Ammonia (as N)	4/15/2020	4/23/2020	8	28	OK
MW-39	Arsenic	4/15/2020	4/28/2020	13	180	OK
MW-39	Benzene	4/15/2020	4/17/2020	2	14	OK
MW-39	Beryllium	4/15/2020	4/28/2020	13	180	OK
MW-39	Bicarbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-39	Cadmium	4/15/2020	4/28/2020	13	180	OK
MW-39	Calcium	4/15/2020	5/1/2020	16	180	OK
MW-39	Carbon tetrachloride	4/15/2020	4/17/2020	2	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-39	Carbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-39	Chloride	4/15/2020	4/28/2020	13	28	OK
MW-39	Chloroform	4/15/2020	4/17/2020	2	14	OK
MW-39	Chloromethane	4/15/2020	4/17/2020	2	14	OK
MW-39	Chromium	4/15/2020	4/28/2020	13	180	OK
MW-39	Cobalt	4/15/2020	4/28/2020	13	180	OK
MW-39	Copper	4/15/2020	4/28/2020	13	180	OK
MW-39	Fluoride	4/15/2020	4/29/2020	14	28	OK
MW-39	Gross Radium Alpha	4/15/2020	5/6/2020	21	180	OK
MW-39	Iron	4/15/2020	4/28/2020	13	180	OK
MW-39	Lead	4/15/2020	4/28/2020	13	180	OK
MW-39	Magnesium	4/15/2020	5/1/2020	16	180	OK
MW-39	Manganese	4/15/2020	4/28/2020	13	180	OK
MW-39	Mercury	4/15/2020	4/22/2020	7	180	OK
MW-39	Methylene chloride	4/15/2020	4/17/2020	2	14	OK
MW-39	Molybdenum	4/15/2020	4/28/2020	13	180	OK
MW-39	Naphthalene	4/15/2020	4/17/2020	2	14	OK
MW-39	Nickel	4/15/2020	4/28/2020	13	180	OK
MW-39	Nitrate/Nitrite (as N)	4/15/2020	4/21/2020	6	28	OK
MW-39	Potassium	4/15/2020	5/1/2020	16	180	OK
MW-39	Selenium	4/15/2020	4/28/2020	13	180	OK
MW-39	Silver	4/15/2020	4/28/2020	13	180	OK
MW-39	Sodium	4/15/2020	5/1/2020	16	180	OK
MW-39	Sulfate	4/15/2020	4/28/2020	13	28	OK
MW-39	Tetrahydrofuran	4/15/2020	4/17/2020	2	14	OK
MW-39	Thallium	4/15/2020	4/28/2020	13	180	OK
MW-39	Tin	4/15/2020	4/28/2020	13	180	OK
MW-39	Toluene	4/15/2020	4/17/2020	2	14	OK
MW-39	Uranium	4/15/2020	4/28/2020	13	180	OK
MW-39	Vanadium	4/15/2020	5/1/2020	16	180	OK
MW-39	Xylenes, Total	4/15/2020	4/17/2020	2	14	OK
MW-39	Zinc	4/15/2020	4/28/2020	13	180	OK
MW-40	2-Butanone	4/14/2020	4/17/2020	3	14	OK
MW-40	Acetone	4/14/2020	4/17/2020	3	14	OK
MW-40	Ammonia (as N)	4/14/2020	4/23/2020	9	28	OK
MW-40	Arsenic	4/14/2020	4/28/2020	14	180	OK
MW-40	Benzene	4/14/2020	4/17/2020	3	14	OK
MW-40	Beryllium	4/14/2020	4/28/2020	14	180	OK
MW-40	Bicarbonate (as CaCO3)	4/14/2020	4/20/2020	6	14	OK
MW-40	Cadmium	4/14/2020	4/28/2020	14	180	OK
MW-40	Calcium	4/14/2020	5/1/2020	17	180	OK
MW-40	Carbon tetrachloride	4/14/2020	4/17/2020	3	14	OK
MW-40	Carbonate (as CaCO3)	4/14/2020	4/20/2020	6	14	OK
MW-40	Chloride	4/14/2020	4/28/2020	14	28	OK
MW-40	Chloroform	4/14/2020	4/17/2020	3	14	OK
MW-40	Chloromethane	4/14/2020	4/17/2020	3	14	OK
MW-40	Chromium	4/14/2020	4/28/2020	14	180	OK
MW-40	Cobalt	4/14/2020	4/28/2020	14	180	OK
MW-40	Copper	4/14/2020	4/28/2020	14	180	OK
MW-40	Fluoride	4/14/2020	5/6/2020	22	28	OK
MW-40	Gross Radium Alpha	4/14/2020	5/6/2020	22	180	OK
MW-40	Iron	4/14/2020	4/28/2020	14	180	OK
MW-40	Lead	4/14/2020	4/28/2020	14	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-40	Magnesium	4/14/2020	5/1/2020	17	180	OK
MW-40	Manganese	4/14/2020	4/28/2020	14	180	OK
MW-40	Mercury	4/14/2020	4/22/2020	8	180	OK
MW-40	Methylene chloride	4/14/2020	4/17/2020	3	14	OK
MW-40	Molybdenum	4/14/2020	4/28/2020	14	180	OK
MW-40	Naphthalene	4/14/2020	4/17/2020	3	14	OK
MW-40	Nickel	4/14/2020	4/28/2020	14	180	OK
MW-40	Nitrate/Nitrite (as N)	4/14/2020	4/21/2020	7	28	OK
MW-40	Potassium	4/14/2020	5/1/2020	17	180	OK
MW-40	Selenium	4/14/2020	4/28/2020	14	180	OK
MW-40	Silver	4/14/2020	4/28/2020	14	180	OK
MW-40	Sodium	4/14/2020	5/1/2020	17	180	OK
MW-40	Sulfate	4/14/2020	4/28/2020	14	28	OK
MW-40	Tetrahydrofuran	4/14/2020	4/17/2020	3	14	OK
MW-40	Thallium	4/14/2020	4/28/2020	14	180	OK
MW-40	Tin	4/14/2020	4/28/2020	14	180	OK
MW-40	Toluene	4/14/2020	4/17/2020	3	14	OK
MW-40	Uranium	4/14/2020	4/28/2020	14	180	OK
MW-40	Vanadium	4/14/2020	5/1/2020	17	180	OK
MW-40	Xylenes, Total	4/14/2020	4/17/2020	3	14	OK
MW-40	Zinc	4/14/2020	4/28/2020	14	180	OK
MW-65	2-Butanone	4/8/2020	4/13/2020	5	14	OK
MW-65	Acetone	4/8/2020	4/13/2020	5	14	OK
MW-65	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
MW-65	Arsenic	4/8/2020	4/23/2020	15	180	OK
MW-65	Benzene	4/8/2020	4/13/2020	5	14	OK
MW-65	Beryllium	4/8/2020	4/23/2020	15	180	OK
MW-65	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-65	Cadmium	4/8/2020	4/23/2020	15	180	OK
MW-65	Calcium	4/8/2020	4/24/2020	16	180	OK
MW-65	Carbon tetrachloride	4/8/2020	4/13/2020	5	14	OK
MW-65	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
MW-65	Chloride	4/8/2020	4/22/2020	14	28	OK
MW-65	Chloroform	4/8/2020	4/13/2020	5	14	OK
MW-65	Chloromethane	4/8/2020	4/13/2020	5	14	OK
MW-65	Chromium	4/8/2020	4/23/2020	15	180	OK
MW-65	Cobalt	4/8/2020	4/23/2020	15	180	OK
MW-65	Copper	4/8/2020	4/23/2020	15	180	OK
MW-65	Fluoride	4/8/2020	4/22/2020	14	28	OK
MW-65	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
MW-65	Iron	4/8/2020	4/23/2020	15	180	OK
MW-65	Lead	4/8/2020	4/23/2020	15	180	OK
MW-65	Magnesium	4/8/2020	4/24/2020	16	180	OK
MW-65	Manganese	4/8/2020	4/23/2020	15	180	OK
MW-65	Mercury	4/8/2020	4/17/2020	9	180	OK
MW-65	Methylene chloride	4/8/2020	4/13/2020	5	14	OK
MW-65	Molybdenum	4/8/2020	4/24/2020	16	180	OK
MW-65	Naphthalene	4/8/2020	4/13/2020	5	14	OK
MW-65	Nickel	4/8/2020	4/23/2020	15	180	OK
MW-65	Nitrate/Nitrite (as N)	4/8/2020	4/14/2020	6	28	OK
MW-65	Potassium	4/8/2020	4/24/2020	16	180	OK
MW-65	Selenium	4/8/2020	4/23/2020	15	180	OK
MW-65	Silver	4/8/2020	4/24/2020	16	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-65	Sodium	4/8/2020	4/24/2020	16	180	OK
MW-65	Sulfate	4/8/2020	4/21/2020	13	28	OK
MW-65	Tetrahydrofuran	4/8/2020	4/13/2020	5	14	OK
MW-65	Thallium	4/8/2020	4/24/2020	16	180	OK
MW-65	Tin	4/8/2020	4/23/2020	15	180	OK
MW-65	Toluene	4/8/2020	4/13/2020	5	14	OK
MW-65	Uranium	4/8/2020	4/24/2020	16	180	OK
MW-65	Vanadium	4/8/2020	4/27/2020	19	180	OK
MW-65	Xylenes, Total	4/8/2020	4/13/2020	5	14	OK
MW-65	Zinc	4/8/2020	4/23/2020	15	180	OK
MW-70	2-Butanone	4/15/2020	4/20/2020	5	14	OK
MW-70	Acetone	4/15/2020	4/20/2020	5	14	OK
MW-70	Ammonia (as N)	4/15/2020	4/23/2020	8	28	OK
MW-70	Arsenic	4/15/2020	4/28/2020	13	180	OK
MW-70	Benzene	4/15/2020	4/20/2020	5	14	OK
MW-70	Beryllium	4/15/2020	4/28/2020	13	180	OK
MW-70	Bicarbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-70	Cadmium	4/15/2020	4/28/2020	13	180	OK
MW-70	Calcium	4/15/2020	5/1/2020	16	180	OK
MW-70	Carbon tetrachloride	4/15/2020	4/20/2020	5	14	OK
MW-70	Carbonate (as CaCO3)	4/15/2020	4/20/2020	5	14	OK
MW-70	Chloride	4/15/2020	4/28/2020	13	28	OK
MW-70	Chloroform	4/15/2020	4/20/2020	5	14	OK
MW-70	Chloromethane	4/15/2020	4/20/2020	5	14	OK
MW-70	Chromium	4/15/2020	4/28/2020	13	180	OK
MW-70	Cobalt	4/15/2020	4/28/2020	13	180	OK
MW-70	Copper	4/15/2020	4/28/2020	13	180	OK
MW-70	Fluoride	4/15/2020	4/29/2020	14	28	OK
MW-70	Gross Radium Alpha	4/15/2020	5/6/2020	21	180	OK
MW-70	Iron	4/15/2020	4/28/2020	13	180	OK
MW-70	Lead	4/15/2020	4/28/2020	13	180	OK
MW-70	Magnesium	4/15/2020	5/1/2020	16	180	OK
MW-70	Manganese	4/15/2020	4/28/2020	13	180	OK
MW-70	Mercury	4/15/2020	4/22/2020	7	180	OK
MW-70	Methylene chloride	4/15/2020	4/20/2020	5	14	OK
MW-70	Molybdenum	4/15/2020	4/28/2020	13	180	OK
MW-70	Naphthalene	4/15/2020	4/20/2020	5	14	OK
MW-70	Nickel	4/15/2020	4/28/2020	13	180	OK
MW-70	Nitrate/Nitrite (as N)	4/15/2020	4/21/2020	6	28	OK
MW-70	Potassium	4/15/2020	5/1/2020	16	180	OK
MW-70	Selenium	4/15/2020	4/28/2020	13	180	OK
MW-70	Silver	4/15/2020	4/28/2020	13	180	OK
MW-70	Sodium	4/15/2020	5/1/2020	16	180	OK
MW-70	Sulfate	4/15/2020	4/28/2020	13	28	OK
MW-70	Tetrahydrofuran	4/15/2020	4/20/2020	5	14	OK
MW-70	Thallium	4/15/2020	4/28/2020	13	180	OK
MW-70	Tin	4/15/2020	4/28/2020	13	180	OK
MW-70	Toluene	4/15/2020	4/20/2020	5	14	OK
MW-70	Uranium	4/15/2020	4/28/2020	13	180	OK
MW-70	Vanadium	4/15/2020	5/1/2020	16	180	OK
MW-70	Xylenes, Total	4/15/2020	4/20/2020	5	14	OK
MW-70	Zinc	4/15/2020	4/28/2020	13	180	OK
TW4-24	2-Butanone	4/8/2020	4/13/2020	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-24	Acetone	4/8/2020	4/13/2020	5	14	OK
TW4-24	Ammonia (as N)	4/8/2020	4/20/2020	12	28	OK
TW4-24	Arsenic	4/8/2020	4/23/2020	15	180	OK
TW4-24	Benzene	4/8/2020	4/13/2020	5	14	OK
TW4-24	Beryllium	4/8/2020	4/23/2020	15	180	OK
TW4-24	Bicarbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
TW4-24	Cadmium	4/8/2020	4/23/2020	15	180	OK
TW4-24	Calcium	4/8/2020	4/27/2020	19	180	OK
TW4-24	Carbon tetrachloride	4/8/2020	4/13/2020	5	14	OK
TW4-24	Carbonate (as CaCO3)	4/8/2020	4/13/2020	5	14	OK
TW4-24	Chloride	4/8/2020	4/20/2020	12	28	OK
TW4-24	Chloroform	4/8/2020	4/13/2020	5	14	OK
TW4-24	Chloromethane	4/8/2020	4/13/2020	5	14	OK
TW4-24	Chromium	4/8/2020	4/23/2020	15	180	OK
TW4-24	Cobalt	4/8/2020	4/23/2020	15	180	OK
TW4-24	Copper	4/8/2020	4/23/2020	15	180	OK
TW4-24	Fluoride	4/8/2020	4/22/2020	14	28	OK
TW4-24	Gross Radium Alpha	4/8/2020	4/29/2020	21	180	OK
TW4-24	Iron	4/8/2020	4/23/2020	15	180	OK
TW4-24	Lead	4/8/2020	4/23/2020	15	180	OK
TW4-24	Magnesium	4/8/2020	4/27/2020	19	180	OK
TW4-24	Manganese	4/8/2020	4/24/2020	16	180	OK
TW4-24	Mercury	4/8/2020	4/17/2020	9	180	OK
TW4-24	Methylene chloride	4/8/2020	4/13/2020	5	14	OK
TW4-24	Molybdenum	4/8/2020	4/24/2020	16	180	OK
TW4-24	Naphthalene	4/8/2020	4/13/2020	5	14	OK
TW4-24	Nickel	4/8/2020	4/23/2020	15	180	OK
TW4-24	Nitrate/Nitrite (as N)	4/8/2020	5/1/2020	23	28	OK
TW4-24	Potassium	4/8/2020	4/27/2020	19	180	OK
TW4-24	Selenium	4/8/2020	4/23/2020	15	180	OK
TW4-24	Silver	4/8/2020	4/24/2020	16	180	OK
TW4-24	Sodium	4/8/2020	4/24/2020	16	180	OK
TW4-24	Sulfate	4/8/2020	4/20/2020	12	28	OK
TW4-24	Tetrahydrofuran	4/8/2020	4/13/2020	5	14	OK
TW4-24	Thallium	4/8/2020	4/24/2020	16	180	OK
TW4-24	Tin	4/8/2020	4/23/2020	15	180	OK
TW4-24	Toluene	4/8/2020	4/13/2020	5	14	OK
TW4-24	Uranium	4/8/2020	4/24/2020	16	180	OK
TW4-24	Vanadium	4/8/2020	4/27/2020	19	180	OK
TW4-24	Xylenes, Total	4/8/2020	4/13/2020	5	14	OK
TW4-24	Zinc	4/8/2020	4/23/2020	15	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Chloroform	5/6/2020	5/12/2020	6	14	OK
Trip Blank	Methylene chloride	5/6/2020	5/12/2020	6	14	OK
Trip Blank	Chloroform	6/3/2020	6/8/2020	5	14	OK
Trip Blank	Methylene chloride	6/3/2020	6/8/2020	5	14	OK
MW-11	Sulfate	5/5/2020	5/19/2020	14	28	OK
MW-11	Chloride	5/5/2020	5/19/2020	14	28	OK
MW-11	Manganese	5/5/2020	5/13/2020	8	180	OK
MW-11	Sulfate	6/2/2020	6/11/2020	9	28	OK
MW-11	Chloride	6/2/2020	6/11/2020	9	28	OK
MW-11	Manganese	6/2/2020	6/15/2020	13	180	OK
MW-14	Sulfate	5/5/2020	5/19/2020	14	28	OK
MW-14	Fluoride	5/5/2020	5/19/2020	14	27	OK
MW-14	Sulfate	6/2/2020	6/11/2020	9	28	OK
MW-14	Fluoride	6/2/2020	6/11/2020	9	27	OK
MW-25	Cadmium	5/6/2020	5/13/2020	7	180	OK
MW-25	Cadmium	6/3/2020	6/15/2020	12	180	OK
MW-26	Chloride	5/6/2020	5/19/2020	13	28	OK
MW-26	Chloroform	5/6/2020	5/12/2020	6	14	OK
MW-26	Methylene chloride	5/6/2020	5/12/2020	6	14	OK
MW-26	Ammonia (as N)	5/6/2020	5/14/2020	8	28	OK
MW-26	Nitrate/Nitrite (as N)	5/6/2020	5/11/2020	5	28	OK
MW-26	Chloride	6/3/2020	6/11/2020	8	28	OK
MW-26	Chloroform	6/3/2020	6/8/2020	5	14	OK
MW-26	Methylene chloride	6/3/2020	6/8/2020	5	14	OK
MW-26	Ammonia (as N)	6/3/2020	6/14/2020	11	28	OK
MW-26	Nitrate/Nitrite (as N)	6/3/2020	6/11/2020	8	28	OK
MW-30	Chloride	5/6/2020	5/19/2020	13	28	OK
MW-30	Uranium	5/6/2020	5/13/2020	7	180	OK
MW-30	Selenium	5/6/2020	5/13/2020	7	180	OK
MW-30	Nitrate/Nitrite (as N)	5/6/2020	5/11/2020	5	28	OK
MW-30	Chloride	6/3/2020	6/11/2020	8	28	OK
MW-30	Uranium	6/3/2020	6/15/2020	12	180	OK
MW-30	Selenium	6/3/2020	6/15/2020	12	180	OK
MW-30	Nitrate/Nitrite (as N)	6/3/2020	6/11/2020	8	28	OK
MW-31	Sulfate	5/5/2020	5/19/2020	14	28	OK
MW-31	Chloride	5/5/2020	5/19/2020	14	28	OK
MW-31	Nitrate/Nitrite (as N)	5/5/2020	5/11/2020	6	28	OK
MW-31	Total Dissolved Solids	5/5/2020	5/11/2020	6	7	OK
MW-31	Sulfate	6/2/2020	6/12/2020	10	28	OK
MW-31	Chloride	6/2/2020	6/12/2020	10	28	OK
MW-31	Nitrate/Nitrite (as N)	6/2/2020	6/11/2020	9	28	OK
MW-31	Total Dissolved Solids	6/2/2020	6/8/2020	6	7	OK
MW-36	Sulfate	5/5/2020	5/22/2020	17	28	OK
MW-36	Sulfate	6/2/2020	6/11/2020	9	28	OK
MW-65	Chloride	5/6/2020	5/19/2020	13	28	OK
MW-65	Uranium	5/6/2020	5/13/2020	7	180	OK
MW-65	Selenium	5/6/2020	5/13/2020	7	180	OK
MW-65	Nitrate/Nitrite (as N)	5/6/2020	5/11/2020	5	28	OK
MW-65	Cadmium	6/3/2020	6/15/2020	12	180	OK

G-3A: Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
AWAL 2004292	MW-02, MW-05, MW-11, MW-12, MW-14, MW-15, MW-25, MW-26, MW-27, MW-29, MW-30, MW-31, MW-32, MW-35, MW-36, MW-65, TW4-24, Trip Blank	0.4 °C
AWAL 2004452	MW-01, MW-03A, MW-17, MW-18, MW-19, MW-22, MW-24A, MW-28, MW-39, MW-40, MW-70, Trip Blank	0.7 °C
AWAL 2004553	MW-20, MW-23, MW-24, MW-37, MW-38, Trip Blank	1.5 °C
GEL 509346	MW-02, MW-05, MW-11, MW-12, MW-14, MW-15, MW-25, MW-26, MW-27, MW-29, MW-30, MW-31, MW-32, MW-35, MW-36, MW-65, TW4-24	N/A
GEL 509725	MW-01, MW-03A, MW-17, MW-18, MW-19, MW-22, MW-24A, MW-28, MW-39, MW-40, MW-70	N/A
GEL 510160	MW-20, MW-23, MW-24, MW-37, MW-38	N/A

N/A = These shipments contained samples for the analysis of gross alpha or metals only. Per Table 1 in the approved QAP, samples submitted for gross alpha and metals analyses do not have a sample temperature requirement.

G-3B: Laboratory Receipt Temperature Check - Accelerated Samples

Sample Batch	Wells in Batch	Temperature
AWAL 2005178	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-36, MW-65, Trip Blank	0.4°C
AWAL 2006183	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-36, MW-65, Trip Blank	2.7 °C

G-4A: Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 and E200.8
Gross Alpha	E900.0 or E900.1 or E903.0	E903.0
VOCs	SW8260B or SW8260C or SW8260D	SW8260D
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Fluoride	A4500-F C or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540C
Carbonate as CO3, Bicarbonate as HCO3	A2320 B	A2320B
Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-4B: Analytical Method Check - Accelerated Samples

Parameter	QAP Method*	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 or E200.8
VOCs	SW8260B or SW8260C or SW8260D	SW8260D
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C
Fluoride	A4500-F C or E300.0	E300.0

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
MW-01	2-Butanone	20	ug/L	U	1	20	OK
MW-01	Acetone	20	ug/L	U	1	20	OK
MW-01	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-01	Arsenic	5	ug/L	U	20	5	OK
MW-01	Benzene	1	ug/L	U	1	1	OK
MW-01	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-01	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-01	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-01	Calcium	20	mg/L		20	0.5	OK
MW-01	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-01	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-01	Chloride	1	mg/L		5	1	OK
MW-01	Chloroform	1	ug/L	U	1	1	OK
MW-01	Chloromethane	1	ug/L	U	1	1	OK
MW-01	Chromium	25	ug/L	U	20	25	OK
MW-01	Cobalt	10	ug/L	U	20	10	OK
MW-01	Copper	10	ug/L	U	20	10	OK
MW-01	Fluoride	0.2	mg/L		2	0.1	OK
MW-01	Gross Radium Alpha	0.276	pCi/L	U	1	1	OK
MW-01	Iron	30	ug/L		5	30	OK
MW-01	Lead	1	ug/L	U	5	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-01	Magnesium	20	mg/L		20	0.5	OK
MW-01	Manganese	10	ug/L		20	10	OK
MW-01	Mercury	0.5	ug/L	U	1	0.5	OK
MW-01	Methylene chloride	1	ug/L	U	1	1	OK
MW-01	Molybdenum	10	ug/L	U	20	10	OK
MW-01	Naphthalene	1	ug/L	U	1	1	OK
MW-01	Nickel	20	ug/L	U	20	20	OK
MW-01	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-01	Potassium	1	mg/L		1	0.5	OK
MW-01	Selenium	5	ug/L	U	20	5	OK
MW-01	Silver	10	ug/L	U	20	10	OK
MW-01	Sodium	20	mg/L		20	0.5	OK
MW-01	Sulfate	75	mg/L		100	1	OK
MW-01	Tetrahydrofuran	1	ug/L		1	1	OK
MW-01	Thallium	0.5	ug/L	U	5	0.5	OK
MW-01	Tin	100	ug/L	U	20	100	OK
MW-01	Toluene	1	ug/L	U	1	1	OK
MW-01	Uranium	0.3	ug/L	U	2	0.3	OK
MW-01	Vanadium	15	ug/L	U	1	15	OK
MW-01	Xylenes, Total	1	ug/L	U	1	1	OK
MW-01	Zinc	10	ug/L	U	20	10	OK
MW-02	2-Butanone	20	ug/L	U	1	20	OK
MW-02	Acetone	20	ug/L	U	1	20	OK
MW-02	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-02	Arsenic	5	ug/L	U	5	5	OK
MW-02	Benzene	1	ug/L	U	1	1	OK
MW-02	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-02	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-02	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-02	Calcium	10	mg/L		10	0.5	OK
MW-02	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-02	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-02	Chloride	1	mg/L		1	1	OK
MW-02	Chloroform	1	ug/L	U	1	1	OK
MW-02	Chloromethane	1	ug/L	U	1	1	OK
MW-02	Chromium	25	ug/L	U	5	25	OK
MW-02	Cobalt	10	ug/L	U	5	10	OK
MW-02	Copper	10	ug/L	U	5	10	OK
MW-02	Fluoride	0.1	mg/L		1	0.1	OK
MW-02	Gross Radium Alpha	0.994	pCi/L		1	1	OK
MW-02	Iron	30	ug/L	U	5	30	OK
MW-02	Lead	1	ug/L	U	5	1	OK
MW-02	Magnesium	5	mg/L		5	0.5	OK
MW-02	Manganese	10	ug/L	U	5	10	OK
MW-02	Mercury	0.5	ug/L	U	1	0.5	OK
MW-02	Methylene chloride	1	ug/L	U	1	1	OK
MW-02	Molybdenum	10	ug/L	U	5	10	OK
MW-02	Naphthalene	1	ug/L	U	1	1	OK
MW-02	Nickel	20	ug/L	U	5	20	OK
MW-02	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-02	Potassium	5	mg/L		5	0.5	OK
MW-02	Selenium	5	ug/L		5	5	OK
MW-02	Silver	10	ug/L	U	5	10	OK
MW-02	Sodium	20	mg/L		20	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-02	Sulfate	150	mg/L		200	1	OK
MW-02	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-02	Thallium	0.5	ug/L	U	5	0.5	OK
MW-02	Tin	100	ug/L	U	5	100	OK
MW-02	Toluene	1	ug/L	U	1	1	OK
MW-02	Uranium	0.3	ug/L		2	0.3	OK
MW-02	Vanadium	15	ug/L	U	1	15	OK
MW-02	Xylenes, Total	1	ug/L	U	1	1	OK
MW-02	Zinc	10	ug/L	U	5	10	OK
MW-03a	2-Butanone	20	ug/L	U	1	20	OK
MW-03a	Acetone	20	ug/L	U	1	20	OK
MW-03a	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-03a	Arsenic	5	ug/L	U	20	5	OK
MW-03a	Benzene	1	ug/L	U	1	1	OK
MW-03a	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-03a	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03a	Cadmium	0.5	ug/L		20	0.5	OK
MW-03a	Calcium	20	mg/L		20	0.5	OK
MW-03a	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03a	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03a	Chloride	1	mg/L		10	1	OK
MW-03a	Chloroform	1	ug/L	U	1	1	OK
MW-03a	Chloromethane	1	ug/L	U	1	1	OK
MW-03a	Chromium	25	ug/L	U	20	25	OK
MW-03a	Cobalt	10	ug/L	U	20	10	OK
MW-03a	Copper	10	ug/L	U	20	10	OK
MW-03a	Fluoride	0.4	mg/L		4	0.1	OK
MW-03a	Gross Radium Alpha	0.242	pCi/L	U	1	1	OK
MW-03a	Iron	30	ug/L	U	5	30	OK
MW-03a	Lead	1	ug/L	U	5	1	OK
MW-03a	Magnesium	20	mg/L		20	0.5	OK
MW-03a	Manganese	10	ug/L		20	10	OK
MW-03a	Mercury	0.5	ug/L	U	1	0.5	OK
MW-03a	Methylene chloride	1	ug/L	U	1	1	OK
MW-03a	Molybdenum	10	ug/L	U	20	10	OK
MW-03a	Naphthalene	1	ug/L	U	1	1	OK
MW-03a	Nickel	20	ug/L	U	20	20	OK
MW-03a	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-03a	Potassium	1	mg/L		1	0.5	OK
MW-03a	Selenium	5	ug/L		20	5	OK
MW-03a	Silver	10	ug/L	U	20	10	OK
MW-03a	Sodium	20	mg/L		20	0.5	OK
MW-03a	Sulfate	375	mg/L		500	1	OK
MW-03a	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-03a	Thallium	0.5	ug/L	U	5	0.5	OK
MW-03a	Tin	100	ug/L	U	20	100	OK
MW-03a	Toluene	1	ug/L	U	1	1	OK
MW-03a	Uranium	0.3	ug/L		2	0.3	OK
MW-03a	Vanadium	15	ug/L	U	1	15	OK
MW-03a	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03a	Zinc	10	ug/L		20	10	OK
MW-05	2-Butanone	20	ug/L	U	1	20	OK
MW-05	Acetone	20	ug/L	U	1	20	OK
MW-05	Ammonia (as N)	0.05	mg/L		1	0.05	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-05	Arsenic	5	ug/L	U	5	5	OK
MW-05	Benzene	1	ug/L	U	1	1	OK
MW-05	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-05	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-05	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-05	Calcium	5	mg/L		5	0.5	OK
MW-05	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-05	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-05	Chloride	1	mg/L		10	1	OK
MW-05	Chloroform	1	ug/L	U	1	1	OK
MW-05	Chloromethane	1	ug/L	U	1	1	OK
MW-05	Chromium	25	ug/L	U	5	25	OK
MW-05	Cobalt	10	ug/L	U	5	10	OK
MW-05	Copper	10	ug/L	U	5	10	OK
MW-05	Fluoride	0.1	mg/L		1	0.1	OK
MW-05	Gross Radium Alpha	0.971	pCi/L	U	1	1	OK
MW-05	Iron	30	ug/L		5	30	OK
MW-05	Lead	1	ug/L	U	5	1	OK
MW-05	Magnesium	5	mg/L		5	0.5	OK
MW-05	Manganese	10	ug/L		5	10	OK
MW-05	Mercury	0.5	ug/L	U	1	0.5	OK
MW-05	Methylene chloride	1	ug/L	U	1	1	OK
MW-05	Molybdenum	10	ug/L	U	5	10	OK
MW-05	Naphthalene	1	ug/L	U	1	1	OK
MW-05	Nickel	20	ug/L	U	5	20	OK
MW-05	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-05	Potassium	5	mg/L		5	0.5	OK
MW-05	Selenium	5	ug/L	U	5	5	OK
MW-05	Silver	10	ug/L	U	5	10	OK
MW-05	Sodium	20	mg/L		20	0.5	OK
MW-05	Sulfate	75	mg/L		100	1	OK
MW-05	Tetrahydrofuran	1	ug/L		1	1	OK
MW-05	Thallium	0.5	ug/L	U	5	0.5	OK
MW-05	Tin	100	ug/L	U	5	100	OK
MW-05	Toluene	1	ug/L	U	1	1	OK
MW-05	Uranium	0.3	ug/L		2	0.3	OK
MW-05	Vanadium	15	ug/L	U	1	15	OK
MW-05	Xylenes, Total	1	ug/L	U	1	1	OK
MW-05	Zinc	10	ug/L	U	5	10	OK
MW-11	2-Butanone	20	ug/L	U	1	20	OK
MW-11	Acetone	20	ug/L	U	1	20	OK
MW-11	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-11	Arsenic	5	ug/L	U	5	5	OK
MW-11	Benzene	1	ug/L	U	1	1	OK
MW-11	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-11	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-11	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-11	Calcium	5	mg/L		5	0.5	OK
MW-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-11	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-11	Chloride	1	mg/L		10	1	OK
MW-11	Chloroform	1	ug/L	U	1	1	OK
MW-11	Chloromethane	1	ug/L	U	1	1	OK
MW-11	Chromium	25	ug/L	U	5	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-11	Cobalt	10	ug/L	U	5	10	OK
MW-11	Copper	10	ug/L	U	5	10	OK
MW-11	Fluoride	0.1	mg/L		1	0.1	OK
MW-11	Gross Radium Alpha	0.984	pCi/L	U	1	1	OK
MW-11	Iron	30	ug/L	U	5	30	OK
MW-11	Lead	1	ug/L	U	5	1	OK
MW-11	Magnesium	5	mg/L		5	0.5	OK
MW-11	Manganese	10	ug/L		5	10	OK
MW-11	Mercury	0.5	ug/L	U	1	0.5	OK
MW-11	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Molybdenum	10	ug/L	U	5	10	OK
MW-11	Naphthalene	1	ug/L	U	1	1	OK
MW-11	Nickel	20	ug/L	U	5	20	OK
MW-11	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-11	Potassium	5	mg/L		5	0.5	OK
MW-11	Selenium	5	ug/L	U	5	5	OK
MW-11	Silver	10	ug/L	U	5	10	OK
MW-11	Sodium	20	mg/L		20	0.5	OK
MW-11	Sulfate	75	mg/L		100	1	OK
MW-11	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-11	Thallium	0.5	ug/L	U	5	0.5	OK
MW-11	Tin	100	ug/L	U	5	100	OK
MW-11	Toluene	1	ug/L	U	1	1	OK
MW-11	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Vanadium	15	ug/L	U	1	15	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Zinc	10	ug/L	U	5	10	OK
MW-12	2-Butanone	20	ug/L	U	1	20	OK
MW-12	Acetone	20	ug/L	U	1	20	OK
MW-12	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-12	Arsenic	5	ug/L	U	5	5	OK
MW-12	Benzene	1	ug/L	U	1	1	OK
MW-12	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-12	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-12	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-12	Calcium	10	mg/L		10	0.5	OK
MW-12	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-12	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-12	Chloride	1	mg/L		10	1	OK
MW-12	Chloroform	1	ug/L	U	1	1	OK
MW-12	Chloromethane	1	ug/L	U	1	1	OK
MW-12	Chromium	25	ug/L	U	5	25	OK
MW-12	Cobalt	10	ug/L	U	5	10	OK
MW-12	Copper	10	ug/L	U	5	10	OK
MW-12	Fluoride	0.1	mg/L	U	1	0.1	OK
MW-12	Gross Radium Alpha	0.971	pCi/L	U	1	1	OK
MW-12	Iron	30	ug/L		5	30	OK
MW-12	Lead	1	ug/L	U	5	1	OK
MW-12	Magnesium	5	mg/L		5	0.5	OK
MW-12	Manganese	10	ug/L		5	10	OK
MW-12	Mercury	0.5	ug/L	U	1	0.5	OK
MW-12	Methylene chloride	1	ug/L	U	1	1	OK
MW-12	Molybdenum	10	ug/L	U	5	10	OK
MW-12	Naphthalene	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-12	Nickel	20	ug/L	U	5	20	OK
MW-12	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-12	Potassium	5	mg/L		5	0.5	OK
MW-12	Selenium	5	ug/L		5	5	OK
MW-12	Silver	10	ug/L	U	5	10	OK
MW-12	Sodium	10	mg/L		10	0.5	OK
MW-12	Sulfate	150	mg/L		200	1	OK
MW-12	Tetrahydrofuran	1	ug/L		1	1	OK
MW-12	Thallium	0.5	ug/L	U	5	0.5	OK
MW-12	Tin	100	ug/L	U	5	100	OK
MW-12	Toluene	1	ug/L	U	1	1	OK
MW-12	Uranium	0.3	ug/L		2	0.3	OK
MW-12	Vanadium	15	ug/L	U	1	15	OK
MW-12	Xylenes, Total	1	ug/L	U	1	1	OK
MW-12	Zinc	10	ug/L	U	5	10	OK
MW-14	2-Butanone	20	ug/L	U	1	20	OK
MW-14	Acetone	20	ug/L	U	1	20	OK
MW-14	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-14	Arsenic	5	ug/L	U	5	5	OK
MW-14	Benzene	1	ug/L	U	1	1	OK
MW-14	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-14	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-14	Cadmium	0.5	ug/L		5	0.5	OK
MW-14	Calcium	10	mg/L		10	0.5	OK
MW-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-14	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-14	Chloride	1	mg/L		5	1	OK
MW-14	Chloroform	1	ug/L	U	1	1	OK
MW-14	Chloromethane	1	ug/L	U	1	1	OK
MW-14	Chromium	25	ug/L	U	5	25	OK
MW-14	Cobalt	10	ug/L	U	5	10	OK
MW-14	Copper	10	ug/L	U	5	10	OK
MW-14	Fluoride	0.1	mg/L	U	1	0.1	OK
MW-14	Gross Radium Alpha	0.959	pCi/L		1	1	OK
MW-14	Iron	30	ug/L	U	5	30	OK
MW-14	Lead	1	ug/L	U	5	1	OK
MW-14	Magnesium	5	mg/L		5	0.5	OK
MW-14	Manganese	10	ug/L		50	10	OK
MW-14	Mercury	0.5	ug/L	U	1	0.5	OK
MW-14	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Molybdenum	10	ug/L	U	5	10	OK
MW-14	Naphthalene	1	ug/L	U	1	1	OK
MW-14	Nickel	20	ug/L	U	5	20	OK
MW-14	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-14	Potassium	5	mg/L		5	0.5	OK
MW-14	Selenium	5	ug/L	U	5	5	OK
MW-14	Silver	10	ug/L	U	5	10	OK
MW-14	Sodium	10	mg/L		10	0.5	OK
MW-14	Sulfate	150	mg/L		200	1	OK
MW-14	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-14	Thallium	0.5	ug/L	U	5	0.5	OK
MW-14	Tin	100	ug/L	U	5	100	OK
MW-14	Toluene	1	ug/L	U	1	1	OK
MW-14	Uranium	0.3	ug/L		2	0.3	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-14	Vanadium	15	ug/L	U	1	15	OK
MW-14	Xylenes, Total	1	ug/L	U	1	1	OK
MW-14	Zinc	10	ug/L		5	10	OK
MW-15	2-Butanone	20	ug/L	U	1	20	OK
MW-15	Acetone	20	ug/L	U	1	20	OK
MW-15	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-15	Arsenic	5	ug/L	U	5	5	OK
MW-15	Benzene	1	ug/L	U	1	1	OK
MW-15	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-15	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-15	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-15	Calcium	10	mg/L		10	0.5	OK
MW-15	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-15	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-15	Chloride	1	mg/L		10	1	OK
MW-15	Chloroform	1	ug/L	U	1	1	OK
MW-15	Chloromethane	1	ug/L	U	1	1	OK
MW-15	Chromium	25	ug/L	U	5	25	OK
MW-15	Cobalt	10	ug/L	U	5	10	OK
MW-15	Copper	10	ug/L	U	5	10	OK
MW-15	Fluoride	0.1	mg/L		1	0.1	OK
MW-15	Gross Radium Alpha	0.976	pCi/L	U	1	1	OK
MW-15	Iron	30	ug/L	U	5	30	OK
MW-15	Lead	1	ug/L	U	5	1	OK
MW-15	Magnesium	5	mg/L		5	0.5	OK
MW-15	Manganese	10	ug/L	U	5	10	OK
MW-15	Mercury	0.5	ug/L	U	1	0.5	OK
MW-15	Methylene chloride	1	ug/L	U	1	1	OK
MW-15	Molybdenum	10	ug/L	U	5	10	OK
MW-15	Naphthalene	1	ug/L	U	1	1	OK
MW-15	Nickel	20	ug/L	U	5	20	OK
MW-15	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-15	Potassium	5	mg/L		5	0.5	OK
MW-15	Selenium	5	ug/L		5	5	OK
MW-15	Silver	10	ug/L	U	5	10	OK
MW-15	Sodium	10	mg/L		10	0.5	OK
MW-15	Sulfate	150	mg/L		200	1	OK
MW-15	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-15	Thallium	0.5	ug/L	U	5	0.5	OK
MW-15	Tin	100	ug/L	U	5	100	OK
MW-15	Toluene	1	ug/L	U	1	1	OK
MW-15	Uranium	0.3	ug/L		2	0.3	OK
MW-15	Vanadium	15	ug/L	U	1	15	OK
MW-15	Xylenes, Total	1	ug/L	U	1	1	OK
MW-15	Zinc	10	ug/L	U	5	10	OK
MW-17	2-Butanone	20	ug/L	U	1	20	OK
MW-17	Acetone	20	ug/L	U	1	20	OK
MW-17	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-17	Arsenic	5	ug/L	U	20	5	OK
MW-17	Benzene	1	ug/L	U	1	1	OK
MW-17	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-17	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-17	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-17	Calcium	20	mg/L		20	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-17	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-17	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-17	Chloride	1	mg/L		5	1	OK
MW-17	Chloroform	1	ug/L	U	1	1	OK
MW-17	Chloromethane	1	ug/L	U	1	1	OK
MW-17	Chromium	25	ug/L	U	20	25	OK
MW-17	Cobalt	10	ug/L	U	20	10	OK
MW-17	Copper	10	ug/L	U	20	10	OK
MW-17	Fluoride	0.2	mg/L		2	0.1	OK
MW-17	Gross Radium Alpha	0.329	pCi/L	U	1	1	OK
MW-17	Iron	30	ug/L	U	5	30	OK
MW-17	Lead	1	ug/L	U	5	1	OK
MW-17	Magnesium	20	mg/L		20	0.5	OK
MW-17	Manganese	10	ug/L		20	10	OK
MW-17	Mercury	0.5	ug/L	U	1	0.5	OK
MW-17	Methylene chloride	1	ug/L	U	1	1	OK
MW-17	Molybdenum	10	ug/L	U	20	10	OK
MW-17	Naphthalene	1	ug/L	U	1	1	OK
MW-17	Nickel	20	ug/L	U	20	20	OK
MW-17	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-17	Potassium	1	mg/L		1	0.5	OK
MW-17	Selenium	5	ug/L		20	5	OK
MW-17	Silver	10	ug/L	U	20	10	OK
MW-17	Sodium	20	mg/L		20	0.5	OK
MW-17	Sulfate	150	mg/L		200	1	OK
MW-17	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-17	Thallium	0.5	ug/L	U	5	0.5	OK
MW-17	Tin	100	ug/L	U	20	100	OK
MW-17	Toluene	1	ug/L	U	1	1	OK
MW-17	Uranium	0.3	ug/L		2	0.3	OK
MW-17	Vanadium	15	ug/L	U	1	15	OK
MW-17	Xylenes, Total	1	ug/L	U	1	1	OK
MW-17	Zinc	10	ug/L	U	20	10	OK
MW-18	2-Butanone	20	ug/L	U	1	20	OK
MW-18	Acetone	20	ug/L	U	1	20	OK
MW-18	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-18	Arsenic	5	ug/L	U	20	5	OK
MW-18	Benzene	1	ug/L	U	1	1	OK
MW-18	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-18	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-18	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-18	Calcium	20	mg/L		20	0.5	OK
MW-18	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-18	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-18	Chloride	1	mg/L		10	1	OK
MW-18	Chloroform	1	ug/L	U	1	1	OK
MW-18	Chloromethane	1	ug/L	U	1	1	OK
MW-18	Chromium	25	ug/L	U	20	25	OK
MW-18	Cobalt	10	ug/L	U	20	10	OK
MW-18	Copper	10	ug/L	U	20	10	OK
MW-18	Fluoride	0.2	mg/L		2	0.1	OK
MW-18	Gross Radium Alpha	0.194	pCi/L	U	1	1	OK
MW-18	Iron	30	ug/L		5	30	OK
MW-18	Lead	1	ug/L	U	5	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-18	Magnesium	20	mg/L		20	0.5	OK
MW-18	Manganese	10	ug/L		20	10	OK
MW-18	Mercury	0.5	ug/L	U	1	0.5	OK
MW-18	Methylene chloride	1	ug/L	U	1	1	OK
MW-18	Molybdenum	10	ug/L	U	20	10	OK
MW-18	Naphthalene	1	ug/L	U	1	1	OK
MW-18	Nickel	20	ug/L	U	20	20	OK
MW-18	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-18	Potassium	1	mg/L		1	0.5	OK
MW-18	Selenium	5	ug/L	U	20	5	OK
MW-18	Silver	10	ug/L	U	20	10	OK
MW-18	Sodium	20	mg/L		20	0.5	OK
MW-18	Sulfate	150	mg/L		200	1	OK
MW-18	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-18	Thallium	0.5	ug/L		5	0.5	OK
MW-18	Tin	100	ug/L	U	20	100	OK
MW-18	Toluene	1	ug/L	U	1	1	OK
MW-18	Uranium	0.3	ug/L		2	0.3	OK
MW-18	Vanadium	15	ug/L	U	1	15	OK
MW-18	Xylenes, Total	1	ug/L	U	1	1	OK
MW-18	Zinc	10	ug/L	U	20	10	OK
MW-19	2-Butanone	20	ug/L	U	1	20	OK
MW-19	Acetone	20	ug/L	U	1	20	OK
MW-19	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-19	Arsenic	5	ug/L	U	20	5	OK
MW-19	Benzene	1	ug/L	U	1	1	OK
MW-19	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-19	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-19	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-19	Calcium	50	mg/L		50	0.5	OK
MW-19	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-19	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-19	Chloride	1	mg/L		5	1	OK
MW-19	Chloroform	1	ug/L	U	1	1	OK
MW-19	Chloromethane	1	ug/L	U	1	1	OK
MW-19	Chromium	25	ug/L	U	20	25	OK
MW-19	Cobalt	10	ug/L	U	20	10	OK
MW-19	Copper	10	ug/L	U	20	10	OK
MW-19	Fluoride	0.1	mg/L		1	0.1	OK
MW-19	Gross Radium Alpha	0.605	pCi/L	U	1	1	OK
MW-19	Iron	30	ug/L	U	5	30	OK
MW-19	Lead	1	ug/L	U	5	1	OK
MW-19	Magnesium	50	mg/L		50	0.5	OK
MW-19	Manganese	10	ug/L	U	20	10	OK
MW-19	Mercury	0.5	ug/L	U	1	0.5	OK
MW-19	Methylene chloride	1	ug/L	U	1	1	OK
MW-19	Molybdenum	10	ug/L	U	20	10	OK
MW-19	Naphthalene	1	ug/L	U	1	1	OK
MW-19	Nickel	20	ug/L	U	20	20	OK
MW-19	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-19	Potassium	1	mg/L		1	0.5	OK
MW-19	Selenium	5	ug/L		20	5	OK
MW-19	Silver	10	ug/L	U	20	10	OK
MW-19	Sodium	50	mg/L		50	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-19	Sulfate	37.5	mg/L		50	1	OK
MW-19	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-19	Thallium	0.5	ug/L	U	5	0.5	OK
MW-19	Tin	100	ug/L	U	20	100	OK
MW-19	Toluene	1	ug/L	U	1	1	OK
MW-19	Uranium	0.3	ug/L		2	0.3	OK
MW-19	Vanadium	15	ug/L	U	1	15	OK
MW-19	Xylenes, Total	1	ug/L	U	1	1	OK
MW-19	Zinc	10	ug/L	U	20	10	OK
MW-20	2-Butanone	20	ug/L	U	1	20	OK
MW-20	Acetone	20	ug/L	U	1	20	OK
MW-20	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-20	Arsenic	5	ug/L	U	20	5	OK
MW-20	Benzene	1	ug/L	U	1	1	OK
MW-20	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-20	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-20	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-20	Calcium	20	mg/L		20	0.5	OK
MW-20	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-20	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-20	Chloride	1	mg/L		10	1	OK
MW-20	Chloroform	1	ug/L	U	1	1	OK
MW-20	Chloromethane	1	ug/L	U	1	1	OK
MW-20	Chromium	25	ug/L	U	20	25	OK
MW-20	Cobalt	10	ug/L	U	20	10	OK
MW-20	Copper	10	ug/L	U	20	10	OK
MW-20	Fluoride	0.1	mg/L		1	0.1	OK
MW-20	Gross Radium Alpha	0.974	pCi/L	U	1	1	OK
MW-20	Iron	30	ug/L		5	30	OK
MW-20	Lead	1	ug/L	U	5	1	OK
MW-20	Magnesium	1	mg/L		1	0.5	OK
MW-20	Manganese	10	ug/L	U	20	10	OK
MW-20	Mercury	0.5	ug/L	U	1	0.5	OK
MW-20	Methylene chloride	1	ug/L	U	1	1	OK
MW-20	Molybdenum	10	ug/L		20	10	OK
MW-20	Naphthalene	1	ug/L	U	1	1	OK
MW-20	Nickel	20	ug/L	U	20	20	OK
MW-20	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-20	Potassium	1	mg/L		1	0.5	OK
MW-20	Selenium	5	ug/L	U	20	5	OK
MW-20	Silver	10	ug/L	U	20	10	OK
MW-20	Sodium	20	mg/L		20	0.5	OK
MW-20	Sulfate	375	mg/L		500	1	OK
MW-20	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-20	Thallium	0.5	ug/L	U	5	0.5	OK
MW-20	Tin	100	ug/L	U	20	100	OK
MW-20	Toluene	1	ug/L	U	1	1	OK
MW-20	Uranium	0.3	ug/L		2	0.3	OK
MW-20	Vanadium	15	ug/L	U	1	15	OK
MW-20	Xylenes, Total	1	ug/L	U	1	1	OK
MW-20	Zinc	10	ug/L	U	10	10	OK
MW-22	2-Butanone	20	ug/L	U	1	20	OK
MW-22	Acetone	20	ug/L	U	1	20	OK
MW-22	Ammonia (as N)	0.05	mg/L		1	0.05	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-22	Arsenic	5	ug/L	U	20	5	OK
MW-22	Benzene	1	ug/L	U	1	1	OK
MW-22	Beryllium	0.5	ug/L		5	0.5	OK
MW-22	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-22	Cadmium	0.5	ug/L		20	0.5	OK
MW-22	Calcium	20	mg/L		20	0.5	OK
MW-22	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-22	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-22	Chloride	1	mg/L		5	1	OK
MW-22	Chloroform	1	ug/L	U	1	1	OK
MW-22	Chloromethane	1	ug/L	U	1	1	OK
MW-22	Chromium	25	ug/L	U	20	25	OK
MW-22	Cobalt	10	ug/L		20	10	OK
MW-22	Copper	10	ug/L		20	10	OK
MW-22	Fluoride	0.5	mg/L		5	0.1	OK
MW-22	Gross Radium Alpha	0.244	pCi/L		1	1	OK
MW-22	Iron	30	ug/L		5	30	OK
MW-22	Lead	1	ug/L		5	1	OK
MW-22	Magnesium	50	mg/L		50	0.5	OK
MW-22	Manganese	100	ug/L		1000	10	OK
MW-22	Mercury	0.5	ug/L	U	1	0.5	OK
MW-22	Methylene chloride	1	ug/L	U	1	1	OK
MW-22	Molybdenum	10	ug/L		20	10	OK
MW-22	Naphthalene	1	ug/L	U	1	1	OK
MW-22	Nickel	20	ug/L		20	20	OK
MW-22	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-22	Potassium	1	mg/L		1	0.5	OK
MW-22	Selenium	5	ug/L		20	5	OK
MW-22	Silver	10	ug/L	U	20	10	OK
MW-22	Sodium	20	mg/L		20	0.5	OK
MW-22	Sulfate	750	mg/L		1000	1	OK
MW-22	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-22	Thallium	0.5	ug/L		5	0.5	OK
MW-22	Tin	100	ug/L	U	20	100	OK
MW-22	Toluene	1	ug/L	U	1	1	OK
MW-22	Uranium	0.3	ug/L		2	0.3	OK
MW-22	Vanadium	15	ug/L	U	1	15	OK
MW-22	Xylenes, Total	1	ug/L	U	1	1	OK
MW-22	Zinc	10	ug/L		20	10	OK
MW-23	2-Butanone	20	ug/L	U	1	20	OK
MW-23	Acetone	20	ug/L	U	1	20	OK
MW-23	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-23	Arsenic	5	ug/L	U	20	5	OK
MW-23	Benzene	1	ug/L	U	1	1	OK
MW-23	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-23	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-23	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-23	Calcium	10	mg/L		10	0.5	OK
MW-23	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-23	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-23	Chloride	1	mg/L		1	1	OK
MW-23	Chloroform	1	ug/L	U	1	1	OK
MW-23	Chloromethane	1	ug/L	U	1	1	OK
MW-23	Chromium	25	ug/L	U	20	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-23	Cobalt	10	ug/L	U	20	10	OK
MW-23	Copper	10	ug/L	U	20	10	OK
MW-23	Fluoride	0.1	mg/L		1	0.1	OK
MW-23	Gross Radium Alpha	0.996	pCi/L	U	1	1	OK
MW-23	Iron	30	ug/L	U	5	30	OK
MW-23	Lead	1	ug/L	U	5	1	OK
MW-23	Magnesium	10	mg/L		10	0.5	OK
MW-23	Manganese	10	ug/L	U	20	10	OK
MW-23	Mercury	0.5	ug/L	U	1	0.5	OK
MW-23	Methylene chloride	1	ug/L	U	1	1	OK
MW-23	Molybdenum	10	ug/L	U	20	10	OK
MW-23	Naphthalene	1	ug/L	U	1	1	OK
MW-23	Nickel	20	ug/L	U	20	20	OK
MW-23	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-23	Potassium	1	mg/L		1	0.5	OK
MW-23	Selenium	5	ug/L	U	20	5	OK
MW-23	Silver	10	ug/L	U	20	10	OK
MW-23	Sodium	10	mg/L		10	0.5	OK
MW-23	Sulfate	150	mg/L		200	1	OK
MW-23	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-23	Thallium	0.5	ug/L	U	5	0.5	OK
MW-23	Tin	100	ug/L	U	20	100	OK
MW-23	Toluene	1	ug/L	U	1	1	OK
MW-23	Uranium	0.3	ug/L		2	0.3	OK
MW-23	Vanadium	15	ug/L	U	1	15	OK
MW-23	Xylenes, Total	1	ug/L	U	1	1	OK
MW-23	Zinc	10	ug/L	U	20	10	OK
MW-24	2-Butanone	20	ug/L	U	1	20	OK
MW-24	Acetone	20	ug/L	U	1	20	OK
MW-24	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-24	Arsenic	5	ug/L	U	20	5	OK
MW-24	Benzene	1	ug/L	U	1	1	OK
MW-24	Beryllium	0.5	ug/L		5	0.5	OK
MW-24	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-24	Cadmium	0.5	ug/L		20	0.5	OK
MW-24	Calcium	10	mg/L		10	0.5	OK
MW-24	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-24	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-24	Chloride	1	mg/L		10	1	OK
MW-24	Chloroform	1	ug/L	U	1	1	OK
MW-24	Chloromethane	1	ug/L	U	1	1	OK
MW-24	Chromium	25	ug/L	U	20	25	OK
MW-24	Cobalt	10	ug/L		20	10	OK
MW-24	Copper	10	ug/L		20	10	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Gross Radium Alpha	0.946	pCi/L		1	1	OK
MW-24	Iron	30	ug/L		5	30	OK
MW-24	Lead	1	ug/L		5	1	OK
MW-24	Magnesium	10	mg/L		10	0.5	OK
MW-24	Manganese	10	ug/L		100	10	OK
MW-24	Mercury	0.5	ug/L	U	1	0.5	OK
MW-24	Methylene chloride	1	ug/L	U	1	1	OK
MW-24	Molybdenum	10	ug/L	U	20	10	OK
MW-24	Naphthalene	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-24	Nickel	20	ug/L		20	20	OK
MW-24	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-24	Potassium	1	mg/L		1	0.5	OK
MW-24	Selenium	5	ug/L		20	5	OK
MW-24	Silver	10	ug/L	U	20	10	OK
MW-24	Sodium	10	mg/L		10	0.5	OK
MW-24	Sulfate	150	mg/L		200	1	OK
MW-24	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-24	Tin	100	ug/L	U	20	100	OK
MW-24	Toluene	1	ug/L	U	1	1	OK
MW-24	Uranium	0.3	ug/L		2	0.3	OK
MW-24	Vanadium	15	ug/L	U	1	15	OK
MW-24	Xylenes, Total	1	ug/L	U	1	1	OK
MW-24	Zinc	10	ug/L		20	10	OK
MW-24A	2-Butanone	20	ug/L	U	1	20	OK
MW-24A	Acetone	20	ug/L	U	1	20	OK
MW-24A	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-24A	Arsenic	5	ug/L	U	20	5	OK
MW-24A	Benzene	1	ug/L	U	1	1	OK
MW-24A	Beryllium	0.5	ug/L		5	0.5	OK
MW-24A	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-24A	Cadmium	0.5	ug/L		20	0.5	OK
MW-24A	Calcium	20	mg/L		20	0.5	OK
MW-24A	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-24A	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-24A	Chloride	1	mg/L		10	1	OK
MW-24A	Chloroform	1	ug/L	U	1	1	OK
MW-24A	Chloromethane	1	ug/L	U	1	1	OK
MW-24A	Chromium	25	ug/L	U	20	25	OK
MW-24A	Cobalt	10	ug/L		20	10	OK
MW-24A	Copper	10	ug/L		20	10	OK
MW-24A	Fluoride	0.4	mg/L		4	0.1	OK
MW-24A	Gross Radium Alpha	0.233	pCi/L		1	1	OK
MW-24A	Iron	30	ug/L	U	5	30	OK
MW-24A	Lead	1	ug/L	U	5	1	OK
MW-24A	Magnesium	20	mg/L		20	0.5	OK
MW-24A	Manganese	10	ug/L		100	10	OK
MW-24A	Mercury	0.5	ug/L	U	1	0.5	OK
MW-24A	Methylene chloride	1	ug/L	U	1	1	OK
MW-24A	Molybdenum	10	ug/L	U	20	10	OK
MW-24A	Naphthalene	1	ug/L	U	1	1	OK
MW-24A	Nickel	20	ug/L		20	20	OK
MW-24A	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-24A	Potassium	1	mg/L		1	0.5	OK
MW-24A	Selenium	5	ug/L		20	5	OK
MW-24A	Silver	10	ug/L	U	20	10	OK
MW-24A	Sodium	20	mg/L		20	0.5	OK
MW-24A	Sulfate	375	mg/L		500	1	OK
MW-24A	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-24A	Thallium	0.5	ug/L		5	0.5	OK
MW-24A	Tin	100	ug/L	U	20	100	OK
MW-24A	Toluene	1	ug/L	U	1	1	OK
MW-24A	Uranium	0.3	ug/L		2	0.3	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-24A	Vanadium	15	ug/L	U	1	15	OK
MW-24A	Xylenes, Total	1	ug/L	U	1	1	OK
MW-24A	Zinc	10	ug/L		20	10	OK
MW-25	2-Butanone	20	ug/L	U	1	20	OK
MW-25	Acetone	20	ug/L	U	1	20	OK
MW-25	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-25	Arsenic	5	ug/L	U	5	5	OK
MW-25	Benzene	1	ug/L	U	1	1	OK
MW-25	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-25	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-25	Cadmium	0.5	ug/L		5	0.5	OK
MW-25	Calcium	10	mg/L		10	0.5	OK
MW-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-25	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-25	Chloride	1	mg/L		10	1	OK
MW-25	Chloroform	1	ug/L	U	1	1	OK
MW-25	Chloromethane	1	ug/L	U	1	1	OK
MW-25	Chromium	25	ug/L	U	5	25	OK
MW-25	Cobalt	10	ug/L		5	10	OK
MW-25	Copper	10	ug/L	U	5	10	OK
MW-25	Fluoride	0.1	mg/L		1	0.1	OK
MW-25	Gross Radium Alpha	0.986	pCi/L	U	1	1	OK
MW-25	Iron	30	ug/L	U	5	30	OK
MW-25	Lead	1	ug/L	U	5	1	OK
MW-25	Magnesium	5	mg/L		5	0.5	OK
MW-25	Manganese	10	ug/L		20	10	OK
MW-25	Mercury	0.5	ug/L	U	1	0.5	OK
MW-25	Methylene chloride	1	ug/L	U	1	1	OK
MW-25	Molybdenum	10	ug/L		5	10	OK
MW-25	Naphthalene	1	ug/L	U	1	1	OK
MW-25	Nickel	20	ug/L	U	5	20	OK
MW-25	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-25	Potassium	5	mg/L		5	0.5	OK
MW-25	Selenium	5	ug/L	U	5	5	OK
MW-25	Silver	10	ug/L	U	5	10	OK
MW-25	Sodium	10	mg/L		10	0.5	OK
MW-25	Sulfate	150	mg/L		200	1	OK
MW-25	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-25	Thallium	0.5	ug/L		5	0.5	OK
MW-25	Tin	100	ug/L	U	5	100	OK
MW-25	Toluene	1	ug/L	U	1	1	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Vanadium	15	ug/L	U	1	15	OK
MW-25	Xylenes, Total	1	ug/L	U	1	1	OK
MW-25	Zinc	10	ug/L	U	5	10	OK
MW-26	2-Butanone	20	ug/L	U	1	20	OK
MW-26	Acetone	20	ug/L	U	1	20	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Arsenic	5	ug/L	U	5	5	OK
MW-26	Benzene	1	ug/L	U	1	1	OK
MW-26	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-26	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-26	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-26	Calcium	10	mg/L		10	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-26	Chloride	1	mg/L		10	1	OK
MW-26	Chloroform	20	ug/L		20	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Chromium	25	ug/L	U	5	25	OK
MW-26	Cobalt	10	ug/L	U	5	10	OK
MW-26	Copper	10	ug/L	U	5	10	OK
MW-26	Fluoride	0.1	mg/L		1	0.1	OK
MW-26	Gross Radium Alpha	0.944	pCi/L		1	1	OK
MW-26	Iron	50	ug/L		10	30	OK
MW-26	Lead	1	ug/L	U	5	1	OK
MW-26	Magnesium	5	mg/L		5	0.5	OK
MW-26	Manganese	10	ug/L		10	10	OK
MW-26	Mercury	0.5	ug/L	U	1	0.5	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Molybdenum	10	ug/L	U	5	10	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Nickel	20	ug/L	U	5	20	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-26	Potassium	5	mg/L		5	0.5	OK
MW-26	Selenium	5	ug/L	U	5	5	OK
MW-26	Silver	10	ug/L	U	5	10	OK
MW-26	Sodium	5	mg/L		5	0.5	OK
MW-26	Sulfate	150	mg/L		200	1	OK
MW-26	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-26	Thallium	0.5	ug/L	U	5	0.5	OK
MW-26	Tin	100	ug/L	U	5	100	OK
MW-26	Toluene	1	ug/L	U	1	1	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Vanadium	15	ug/L	U	1	15	OK
MW-26	Xylenes, Total	1	ug/L	U	1	1	OK
MW-26	Zinc	10	ug/L	U	5	10	OK
MW-27	2-Butanone	20	ug/L	U	1	20	OK
MW-27	Acetone	20	ug/L	U	1	20	OK
MW-27	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-27	Arsenic	5	ug/L	U	5	5	OK
MW-27	Benzene	1	ug/L	U	1	1	OK
MW-27	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-27	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-27	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-27	Calcium	5	mg/L		5	0.5	OK
MW-27	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-27	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-27	Chloride	2	mg/L		20	1	OK
MW-27	Chloroform	1	ug/L	U	1	1	OK
MW-27	Chloromethane	1	ug/L	U	1	1	OK
MW-27	Chromium	25	ug/L	U	5	25	OK
MW-27	Cobalt	10	ug/L	U	5	10	OK
MW-27	Copper	10	ug/L	U	5	10	OK
MW-27	Fluoride	0.1	mg/L		1	0.1	OK
MW-27	Gross Radium Alpha	0.872	pCi/L	U	1	1	OK
MW-27	Iron	30	ug/L	U	5	30	OK
MW-27	Lead	1	ug/L	U	5	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-27	Magnesium	5	mg/L		5	0.5	OK
MW-27	Manganese	10	ug/L	U	5	10	OK
MW-27	Mercury	0.5	ug/L	U	1	0.5	OK
MW-27	Methylene chloride	1	ug/L	U	1	1	OK
MW-27	Molybdenum	10	ug/L	U	5	10	OK
MW-27	Naphthalene	1	ug/L	U	1	1	OK
MW-27	Nickel	20	ug/L	U	5	20	OK
MW-27	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-27	Potassium	5	mg/L		5	0.5	OK
MW-27	Selenium	5	ug/L		5	5	OK
MW-27	Silver	10	ug/L	U	5	10	OK
MW-27	Sodium	5	mg/L		5	0.5	OK
MW-27	Sulfate	15	mg/L		20	1	OK
MW-27	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-27	Thallium	0.5	ug/L	U	5	0.5	OK
MW-27	Tin	100	ug/L	U	5	100	OK
MW-27	Toluene	1	ug/L	U	1	1	OK
MW-27	Uranium	0.3	ug/L		2	0.3	OK
MW-27	Vanadium	15	ug/L	U	1	15	OK
MW-27	Xylenes, Total	1	ug/L	U	1	1	OK
MW-27	Zinc	10	ug/L	U	5	10	OK
MW-28	2-Butanone	20	ug/L	U	1	20	OK
MW-28	Acetone	20	ug/L	U	1	20	OK
MW-28	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-28	Arsenic	5	ug/L		20	5	OK
MW-28	Benzene	1	ug/L	U	1	1	OK
MW-28	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-28	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	OK
MW-28	Calcium	20	mg/L		20	0.5	OK
MW-28	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-28	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-28	Chloride	2	mg/L		20	1	OK
MW-28	Chloroform	1	ug/L	U	1	1	OK
MW-28	Chloromethane	1	ug/L	U	1	1	OK
MW-28	Chromium	25	ug/L	U	20	25	OK
MW-28	Cobalt	10	ug/L		20	10	OK
MW-28	Copper	10	ug/L	U	20	10	OK
MW-28	Fluoride	0.4	mg/L		4	0.1	OK
MW-28	Gross Radium Alpha	0.304	pCi/L		1	1	OK
MW-28	Iron	30	ug/L	U	5	30	OK
MW-28	Lead	1	ug/L	U	5	1	OK
MW-28	Magnesium	20	mg/L		20	0.5	OK
MW-28	Manganese	10	ug/L		20	10	OK
MW-28	Mercury	0.5	ug/L	U	1	0.5	OK
MW-28	Methylene chloride	1	ug/L	U	1	1	OK
MW-28	Molybdenum	10	ug/L	U	20	10	OK
MW-28	Naphthalene	1	ug/L	U	1	1	OK
MW-28	Nickel	20	ug/L		20	20	OK
MW-28	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-28	Potassium	1	mg/L		1	0.5	OK
MW-28	Selenium	5	ug/L		20	5	OK
MW-28	Silver	10	ug/L	U	20	10	OK
MW-28	Sodium	20	mg/L		20	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-28	Sulfate	150	mg/L		200	1	OK
MW-28	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-28	Thallium	0.5	ug/L		5	0.5	OK
MW-28	Tin	100	ug/L	U	20	100	OK
MW-28	Toluene	1	ug/L	U	1	1	OK
MW-28	Uranium	0.3	ug/L		2	0.3	OK
MW-28	Vanadium	15	ug/L	U	1	15	OK
MW-28	Xylenes, Total	1	ug/L	U	1	1	OK
MW-28	Zinc	10	ug/L		20	10	OK
MW-29	2-Butanone	20	ug/L	U	1	20	OK
MW-29	Acetone	20	ug/L	U	1	20	OK
MW-29	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-29	Arsenic	5	ug/L	U	5	5	OK
MW-29	Benzene	1	ug/L	U	1	1	OK
MW-29	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-29	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-29	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-29	Calcium	10	mg/L		10	0.5	OK
MW-29	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-29	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-29	Chloride	1	mg/L		10	1	OK
MW-29	Chloroform	1	ug/L	U	1	1	OK
MW-29	Chloromethane	1	ug/L	U	1	1	OK
MW-29	Chromium	25	ug/L	U	5	25	OK
MW-29	Cobalt	10	ug/L	U	5	10	OK
MW-29	Copper	10	ug/L	U	5	10	OK
MW-29	Fluoride	0.1	mg/L		1	0.1	OK
MW-29	Gross Radium Alpha	0.948	pCi/L	U	1	1	OK
MW-29	Iron	500	ug/L		100	30	OK
MW-29	Lead	1	ug/L	U	5	1	OK
MW-29	Magnesium	10	mg/L		10	0.5	OK
MW-29	Manganese	10	ug/L		100	10	OK
MW-29	Mercury	0.5	ug/L	U	1	0.5	OK
MW-29	Methylene chloride	1	ug/L	U	1	1	OK
MW-29	Molybdenum	10	ug/L	U	5	10	OK
MW-29	Naphthalene	1	ug/L	U	1	1	OK
MW-29	Nickel	20	ug/L	U	5	20	OK
MW-29	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-29	Potassium	10	mg/L		10	0.5	OK
MW-29	Selenium	5	ug/L	U	5	5	OK
MW-29	Silver	10	ug/L	U	5	10	OK
MW-29	Sodium	10	mg/L		10	0.5	OK
MW-29	Sulfate	150	mg/L		200	1	OK
MW-29	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-29	Thallium	0.5	ug/L	U	5	0.5	OK
MW-29	Tin	100	ug/L	U	5	100	OK
MW-29	Toluene	1	ug/L	U	1	1	OK
MW-29	Uranium	0.3	ug/L		2	0.3	OK
MW-29	Vanadium	15	ug/L	U	1	15	OK
MW-29	Xylenes, Total	1	ug/L	U	1	1	OK
MW-29	Zinc	10	ug/L	U	5	10	OK
MW-30	2-Butanone	20	ug/L	U	1	20	OK
MW-30	Acetone	20	ug/L	U	1	20	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-30	Arsenic	5	ug/L	U	5	5	OK
MW-30	Benzene	1	ug/L	U	1	1	OK
MW-30	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-30	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-30	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-30	Calcium	10	mg/L		10	0.5	OK
MW-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-30	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-30	Chloride	5	mg/L		50	1	OK
MW-30	Chloroform	1	ug/L	U	1	1	OK
MW-30	Chloromethane	1	ug/L	U	1	1	OK
MW-30	Chromium	25	ug/L	U	5	25	OK
MW-30	Cobalt	10	ug/L	U	5	10	OK
MW-30	Copper	10	ug/L	U	5	10	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Gross Radium Alpha	0.953	pCi/L	U	1	1	OK
MW-30	Iron	30	ug/L	U	5	30	OK
MW-30	Lead	1	ug/L	U	5	1	OK
MW-30	Magnesium	5	mg/L		5	0.5	OK
MW-30	Manganese	10	ug/L	U	5	10	OK
MW-30	Mercury	0.5	ug/L	U	1	0.5	OK
MW-30	Methylene chloride	1	ug/L	U	1	1	OK
MW-30	Molybdenum	10	ug/L	U	5	10	OK
MW-30	Naphthalene	1	ug/L	U	1	1	OK
MW-30	Nickel	20	ug/L	U	5	20	OK
MW-30	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-30	Potassium	5	mg/L		5	0.5	OK
MW-30	Selenium	5	ug/L		5	5	OK
MW-30	Silver	10	ug/L	U	5	10	OK
MW-30	Sodium	5	mg/L		5	0.5	OK
MW-30	Sulfate	37.5	mg/L		50	1	OK
MW-30	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-30	Thallium	0.5	ug/L	U	5	0.5	OK
MW-30	Tin	100	ug/L	U	5	100	OK
MW-30	Toluene	1	ug/L	U	1	1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Vanadium	15	ug/L	U	1	15	OK
MW-30	Xylenes, Total	1	ug/L	U	1	1	OK
MW-30	Zinc	10	ug/L	U	5	10	OK
MW-31	2-Butanone	20	ug/L	U	1	20	OK
MW-31	Acetone	20	ug/L	U	1	20	OK
MW-31	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-31	Arsenic	5	ug/L	U	5	5	OK
MW-31	Benzene	1	ug/L	U	1	1	OK
MW-31	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-31	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-31	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-31	Calcium	10	mg/L		10	0.5	OK
MW-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-31	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-31	Chloride	10	mg/L		100	1	OK
MW-31	Chloroform	1	ug/L	U	1	1	OK
MW-31	Chloromethane	1	ug/L	U	1	1	OK
MW-31	Chromium	25	ug/L	U	5	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	Cobalt	10	ug/L	U	5	10	OK
MW-31	Copper	10	ug/L	U	5	10	OK
MW-31	Fluoride	0.1	mg/L		1	0.1	OK
MW-31	Gross Radium Alpha	0.83	pCi/L		1	1	OK
MW-31	Iron	30	ug/L	U	5	30	OK
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	5	mg/L		5	0.5	OK
MW-31	Manganese	10	ug/L	U	5	10	OK
MW-31	Mercury	0.5	ug/L	U	1	0.5	OK
MW-31	Methylene chloride	1	ug/L	U	1	1	OK
MW-31	Molybdenum	10	ug/L	U	5	10	OK
MW-31	Naphthalene	1	ug/L	U	1	1	OK
MW-31	Nickel	20	ug/L	U	5	20	OK
MW-31	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-31	Potassium	5	mg/L		5	0.5	OK
MW-31	Selenium	5	ug/L		5	5	OK
MW-31	Silver	10	ug/L	U	5	10	OK
MW-31	Sodium	5	mg/L		5	0.5	OK
MW-31	Sulfate	75	mg/L		100	1	OK
MW-31	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-31	Thallium	0.5	ug/L	U	5	0.5	OK
MW-31	Tin	100	ug/L	U	5	100	OK
MW-31	Toluene	1	ug/L	U	1	1	OK
MW-31	Uranium	0.3	ug/L		2	0.3	OK
MW-31	Vanadium	15	ug/L	U	1	15	OK
MW-31	Xylenes, Total	1	ug/L	U	1	1	OK
MW-31	Zinc	10	ug/L	U	5	10	OK
MW-32	2-Butanone	20	ug/L	U	1	20	OK
MW-32	Acetone	20	ug/L	U	1	20	OK
MW-32	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-32	Arsenic	5	ug/L	U	5	5	OK
MW-32	Benzene	1	ug/L	U	1	1	OK
MW-32	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-32	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-32	Cadmium	0.5	ug/L		5	0.5	OK
MW-32	Calcium	10	mg/L		10	0.5	OK
MW-32	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-32	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-32	Chloride	1	mg/L		10	1	OK
MW-32	Chloroform	1	ug/L	U	1	1	OK
MW-32	Chloromethane	1	ug/L	U	1	1	OK
MW-32	Chromium	25	ug/L	U	5	25	OK
MW-32	Cobalt	10	ug/L		5	10	OK
MW-32	Copper	10	ug/L	U	5	10	OK
MW-32	Fluoride	0.1	mg/L		1	0.1	OK
MW-32	Gross Radium Alpha	0.985	pCi/L		1	1	OK
MW-32	Iron	500	ug/L		100	30	OK
MW-32	Lead	1	ug/L	U	5	1	OK
MW-32	Magnesium	5	mg/L		5	0.5	OK
MW-32	Manganese	10	ug/L		100	10	OK
MW-32	Mercury	0.5	ug/L	U	1	0.5	OK
MW-32	Methylene chloride	1	ug/L	U	1	1	OK
MW-32	Molybdenum	10	ug/L		5	10	OK
MW-32	Naphthalene	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-32	Nickel	20	ug/L		5	20	OK
MW-32	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-32	Potassium	5	mg/L		5	0.5	OK
MW-32	Selenium	5	ug/L	U	5	5	OK
MW-32	Silver	10	ug/L	U	5	10	OK
MW-32	Sodium	5	mg/L		5	0.5	OK
MW-32	Sulfate	150	mg/L		200	1	OK
MW-32	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-32	Thallium	0.5	ug/L	U	5	0.5	OK
MW-32	Tin	100	ug/L	U	5	100	OK
MW-32	Toluene	1	ug/L	U	1	1	OK
MW-32	Uranium	0.3	ug/L		2	0.3	OK
MW-32	Vanadium	15	ug/L	U	1	15	OK
MW-32	Xylenes, Total	1	ug/L	U	1	1	OK
MW-32	Zinc	10	ug/L		5	10	OK
MW-35	2-Butanone	20	ug/L	U	1	20	OK
MW-35	Acetone	20	ug/L	U	1	20	OK
MW-35	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-35	Arsenic	5	ug/L	U	5	5	OK
MW-35	Benzene	1	ug/L	U	1	1	OK
MW-35	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-35	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-35	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-35	Calcium	10	mg/L		10	0.5	OK
MW-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-35	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-35	Chloride	1	mg/L		10	1	OK
MW-35	Chloroform	1	ug/L	U	1	1	OK
MW-35	Chloromethane	1	ug/L	U	1	1	OK
MW-35	Chromium	25	ug/L	U	5	25	OK
MW-35	Cobalt	10	ug/L	U	5	10	OK
MW-35	Copper	10	ug/L	U	5	10	OK
MW-35	Fluoride	0.1	mg/L		1	0.1	OK
MW-35	Gross Radium Alpha	0.981	pCi/L		1	1	OK
MW-35	Iron	30	ug/L		5	30	OK
MW-35	Lead	1	ug/L	U	5	1	OK
MW-35	Magnesium	5	mg/L		5	0.5	OK
MW-35	Manganese	10	ug/L		5	10	OK
MW-35	Mercury	0.5	ug/L	U	1	0.5	OK
MW-35	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Molybdenum	10	ug/L	U	5	10	OK
MW-35	Naphthalene	1	ug/L	U	1	1	OK
MW-35	Nickel	20	ug/L	U	5	20	OK
MW-35	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-35	Potassium	5	mg/L		5	0.5	OK
MW-35	Selenium	5	ug/L	U	5	5	OK
MW-35	Silver	10	ug/L	U	5	10	OK
MW-35	Sodium	10	mg/L		10	0.5	OK
MW-35	Sulfate	150	mg/L		200	1	OK
MW-35	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Tin	100	ug/L	U	5	100	OK
MW-35	Toluene	1	ug/L	U	1	1	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-35	Vanadium	15	ug/L	U	1	15	OK
MW-35	Xylenes, Total	1	ug/L	U	1	1	OK
MW-35	Zinc	10	ug/L	U	5	10	OK
MW-36	2-Butanone	20	ug/L	U	1	20	OK
MW-36	Acetone	20	ug/L	U	1	20	OK
MW-36	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-36	Arsenic	5	ug/L	U	5	5	OK
MW-36	Benzene	1	ug/L	U	1	1	OK
MW-36	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-36	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-36	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-36	Calcium	10	mg/L		10	0.5	OK
MW-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-36	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-36	Chloride	1	mg/L		10	1	OK
MW-36	Chloroform	1	ug/L	U	1	1	OK
MW-36	Chloromethane	1	ug/L	U	1	1	OK
MW-36	Chromium	25	ug/L	U	5	25	OK
MW-36	Cobalt	10	ug/L	U	5	10	OK
MW-36	Copper	10	ug/L	U	5	10	OK
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	Gross Radium Alpha	0.952	pCi/L	U	1	1	OK
MW-36	Iron	30	ug/L	U	5	30	OK
MW-36	Lead	1	ug/L	U	5	1	OK
MW-36	Magnesium	5	mg/L		5	0.5	OK
MW-36	Manganese	10	ug/L	U	5	10	OK
MW-36	Mercury	0.5	ug/L	U	1	0.5	OK
MW-36	Methylene chloride	1	ug/L	U	1	1	OK
MW-36	Molybdenum	10	ug/L	U	5	10	OK
MW-36	Naphthalene	1	ug/L	U	1	1	OK
MW-36	Nickel	20	ug/L	U	5	20	OK
MW-36	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-36	Potassium	5	mg/L		5	0.5	OK
MW-36	Selenium	5	ug/L		5	5	OK
MW-36	Silver	10	ug/L	U	5	10	OK
MW-36	Sodium	20	mg/L		20	0.5	OK
MW-36	Sulfate	150	mg/L		200	1	OK
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Thallium	0.5	ug/L		5	0.5	OK
MW-36	Tin	100	ug/L	U	5	100	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Uranium	0.3	ug/L		2	0.3	OK
MW-36	Vanadium	15	ug/L	U	1	15	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Zinc	10	ug/L	U	5	10	OK
MW-37	2-Butanone	20	ug/L	U	1	20	OK
MW-37	Acetone	20	ug/L	U	1	20	OK
MW-37	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-37	Arsenic	5	ug/L	U	20	5	OK
MW-37	Benzene	1	ug/L	U	1	1	OK
MW-37	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-37	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-37	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-37	Calcium	20	mg/L		20	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-37	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-37	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-37	Chloride	1	mg/L		10	1	OK
MW-37	Chloroform	1	ug/L	U	1	1	OK
MW-37	Chloromethane	1	ug/L	U	1	1	OK
MW-37	Chromium	25	ug/L	U	20	25	OK
MW-37	Cobalt	10	ug/L	U	20	10	OK
MW-37	Copper	10	ug/L	U	20	10	OK
MW-37	Fluoride	0.1	mg/L		1	0.1	OK
MW-37	Gross Radium Alpha	0.976	pCi/L		1	1	OK
MW-37	Iron	30	ug/L	U	5	30	OK
MW-37	Lead	1	ug/L	U	5	1	OK
MW-37	Magnesium	20	mg/L		20	0.5	OK
MW-37	Manganese	10	ug/L	U	20	10	OK
MW-37	Mercury	0.5	ug/L	U	1	0.5	OK
MW-37	Methylene chloride	1	ug/L	U	1	1	OK
MW-37	Molybdenum	10	ug/L	U	20	10	OK
MW-37	Naphthalene	1	ug/L	U	1	1	OK
MW-37	Nickel	20	ug/L	U	20	20	OK
MW-37	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-37	Potassium	1	mg/L		1	0.5	OK
MW-37	Selenium	5	ug/L	U	20	5	OK
MW-37	Silver	10	ug/L	U	20	10	OK
MW-37	Sodium	20	mg/L		20	0.5	OK
MW-37	Sulfate	150	mg/L		200	1	OK
MW-37	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-37	Thallium	0.5	ug/L		5	0.5	OK
MW-37	Tin	100	ug/L	U	20	100	OK
MW-37	Toluene	1	ug/L	U	1	1	OK
MW-37	Uranium	0.3	ug/L		2	0.3	OK
MW-37	Vanadium	15	ug/L	U	1	15	OK
MW-37	Xylenes, Total	1	ug/L	U	1	1	OK
MW-37	Zinc	10	ug/L		20	10	OK
MW-38	2-Butanone	20	ug/L	U	1	20	OK
MW-38	Acetone	20	ug/L	U	1	20	OK
MW-38	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-38	Arsenic	5	ug/L	U	20	5	OK
MW-38	Benzene	1	ug/L	U	1	1	OK
MW-38	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-38	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-38	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-38	Calcium	20	mg/L		20	0.5	OK
MW-38	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-38	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-38	Chloride	1	mg/L		10	1	OK
MW-38	Chloroform	1	ug/L	U	1	1	OK
MW-38	Chloromethane	1	ug/L	U	1	1	OK
MW-38	Chromium	25	ug/L	U	20	25	OK
MW-38	Cobalt	10	ug/L	U	20	10	OK
MW-38	Copper	10	ug/L	U	20	10	OK
MW-38	Fluoride	0.1	mg/L		1	0.1	OK
MW-38	Gross Radium Alpha	0.942	pCi/L	U	1	1	OK
MW-38	Iron	30	ug/L	U	5	30	OK
MW-38	Lead	1	ug/L	U	5	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-38	Magnesium	20	mg/L		20	0.5	OK
MW-38	Manganese	10	ug/L	U	20	10	OK
MW-38	Mercury	0.5	ug/L	U	1	0.5	OK
MW-38	Methylene chloride	1	ug/L	U	1	1	OK
MW-38	Molybdenum	10	ug/L	U	20	10	OK
MW-38	Naphthalene	1	ug/L	U	1	1	OK
MW-38	Nickel	20	ug/L	U	20	20	OK
MW-38	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-38	Potassium	1	mg/L		1	0.5	OK
MW-38	Selenium	5	ug/L		20	5	OK
MW-38	Silver	10	ug/L	U	20	10	OK
MW-38	Sodium	20	mg/L		20	0.5	OK
MW-38	Sulfate	150	mg/L		200	1	OK
MW-38	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-38	Thallium	0.5	ug/L	U	5	0.5	OK
MW-38	Tin	100	ug/L	U	20	100	OK
MW-38	Toluene	1	ug/L	U	1	1	OK
MW-38	Uranium	0.3	ug/L		2	0.3	OK
MW-38	Vanadium	15	ug/L	U	1	15	OK
MW-38	Xylenes, Total	1	ug/L	U	1	1	OK
MW-38	Zinc	10	ug/L	U	20	10	OK
MW-39	2-Butanone	20	ug/L	U	1	20	OK
MW-39	Acetone	20	ug/L	U	1	20	OK
MW-39	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-39	Arsenic	5	ug/L	U	20	5	OK
MW-39	Benzene	1	ug/L	U	1	1	OK
MW-39	Beryllium	0.5	ug/L		5	0.5	OK
MW-39	Bicarbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-39	Cadmium	0.5	ug/L		20	0.5	OK
MW-39	Calcium	20	mg/L		20	0.5	OK
MW-39	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-39	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-39	Chloride	1	mg/L		10	1	OK
MW-39	Chloroform	1	ug/L	U	1	1	OK
MW-39	Chloromethane	1	ug/L	U	1	1	OK
MW-39	Chromium	25	ug/L	U	20	25	OK
MW-39	Cobalt	10	ug/L		20	10	OK
MW-39	Copper	10	ug/L		20	10	OK
MW-39	Fluoride	0.4	mg/L		4	0.1	OK
MW-39	Gross Radium Alpha	0.223	pCi/L		1	1	OK
MW-39	Iron	1000	ug/L		200	30	OK
MW-39	Lead	1	ug/L	U	5	1	OK
MW-39	Magnesium	20	mg/L		20	0.5	OK
MW-39	Manganese	20	ug/L		200	10	OK
MW-39	Mercury	0.5	ug/L	U	1	0.5	OK
MW-39	Methylene chloride	1	ug/L	U	1	1	OK
MW-39	Molybdenum	10	ug/L	U	20	10	OK
MW-39	Naphthalene	1	ug/L	U	1	1	OK
MW-39	Nickel	20	ug/L		20	20	OK
MW-39	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-39	Potassium	1	mg/L		1	0.5	OK
MW-39	Selenium	5	ug/L	U	20	5	OK
MW-39	Silver	10	ug/L	U	20	10	OK
MW-39	Sodium	20	mg/L		20	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-39	Sulfate	375	mg/L		500	1	OK
MW-39	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-39	Thallium	0.5	ug/L		5	0.5	OK
MW-39	Tin	100	ug/L	U	20	100	OK
MW-39	Toluene	1	ug/L	U	1	1	OK
MW-39	Uranium	0.3	ug/L		2	0.3	OK
MW-39	Vanadium	15	ug/L	U	1	15	OK
MW-39	Xylenes, Total	1	ug/L	U	1	1	OK
MW-39	Zinc	10	ug/L		20	10	OK
MW-40	2-Butanone	20	ug/L	U	1	20	OK
MW-40	Acetone	20	ug/L	U	1	20	OK
MW-40	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-40	Arsenic	5	ug/L	U	20	5	OK
MW-40	Benzene	1	ug/L	U	1	1	OK
MW-40	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-40	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-40	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-40	Calcium	20	mg/L		20	0.5	OK
MW-40	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-40	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-40	Chloride	1	mg/L		10	1	OK
MW-40	Chloroform	1	ug/L	U	1	1	OK
MW-40	Chloromethane	1	ug/L	U	1	1	OK
MW-40	Chromium	25	ug/L	U	20	25	OK
MW-40	Cobalt	10	ug/L	U	20	10	OK
MW-40	Copper	10	ug/L	U	20	10	OK
MW-40	Fluoride	0.2	mg/L		2	0.1	OK
MW-40	Gross Radium Alpha	0.311	pCi/L	U	1	1	OK
MW-40	Iron	30	ug/L	U	5	30	OK
MW-40	Lead	1	ug/L	U	5	1	OK
MW-40	Magnesium	20	mg/L		20	0.5	OK
MW-40	Manganese	10	ug/L		20	10	OK
MW-40	Mercury	0.5	ug/L	U	1	0.5	OK
MW-40	Methylene chloride	1	ug/L	U	1	1	OK
MW-40	Molybdenum	10	ug/L	U	20	10	OK
MW-40	Naphthalene	1	ug/L	U	1	1	OK
MW-40	Nickel	20	ug/L	U	20	20	OK
MW-40	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-40	Potassium	1	mg/L		1	0.5	OK
MW-40	Selenium	5	ug/L		20	5	OK
MW-40	Silver	10	ug/L	U	20	10	OK
MW-40	Sodium	20	mg/L		20	0.5	OK
MW-40	Sulfate	150	mg/L		200	1	OK
MW-40	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-40	Thallium	0.5	ug/L	U	5	0.5	OK
MW-40	Tin	100	ug/L	U	20	100	OK
MW-40	Toluene	1	ug/L	U	1	1	OK
MW-40	Uranium	0.3	ug/L		2	0.3	OK
MW-40	Vanadium	15	ug/L	U	1	15	OK
MW-40	Xylenes, Total	1	ug/L	U	1	1	OK
MW-40	Zinc	10	ug/L	U	20	10	OK
MW-65	2-Butanone	20	ug/L	U	1	20	OK
MW-65	Acetone	20	ug/L	U	1	20	OK
MW-65	Ammonia (as N)	0.05	mg/L		1	0.05	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-65	Arsenic	5	ug/L	U	5	5	OK
MW-65	Benzene	1	ug/L	U	1	1	OK
MW-65	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-65	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-65	Cadmium	0.5	ug/L	U	5	0.5	OK
MW-65	Calcium	5	mg/L		5	0.5	OK
MW-65	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-65	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-65	Chloride	2	mg/L		20	1	OK
MW-65	Chloroform	1	ug/L	U	1	1	OK
MW-65	Chloromethane	1	ug/L	U	1	1	OK
MW-65	Chromium	25	ug/L	U	5	25	OK
MW-65	Cobalt	10	ug/L	U	5	10	OK
MW-65	Copper	10	ug/L	U	5	10	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Gross Radium Alpha	0.949	pCi/L	U	1	1	OK
MW-65	Iron	30	ug/L	U	5	30	OK
MW-65	Lead	1	ug/L	U	5	1	OK
MW-65	Magnesium	5	mg/L		5	0.5	OK
MW-65	Manganese	10	ug/L		5	10	OK
MW-65	Mercury	0.5	ug/L	U	1	0.5	OK
MW-65	Methylene chloride	1	ug/L	U	1	1	OK
MW-65	Molybdenum	10	ug/L	U	5	10	OK
MW-65	Naphthalene	1	ug/L	U	1	1	OK
MW-65	Nickel	20	ug/L	U	5	20	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-65	Potassium	5	mg/L		5	0.5	OK
MW-65	Selenium	5	ug/L	U	5	5	OK
MW-65	Silver	10	ug/L	U	5	10	OK
MW-65	Sodium	10	mg/L		10	0.5	OK
MW-65	Sulfate	375	mg/L		500	1	OK
MW-65	Tetrahydrofuran	1	ug/L		1	1	OK
MW-65	Thallium	0.5	ug/L	U	5	0.5	OK
MW-65	Tin	100	ug/L	U	5	100	OK
MW-65	Toluene	1	ug/L	U	1	1	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Vanadium	15	ug/L	U	1	15	OK
MW-65	Xylenes, Total	1	ug/L	U	1	1	OK
MW-65	Zinc	10	ug/L	U	5	10	OK
MW-70	2-Butanone	20	ug/L	U	1	20	OK
MW-70	Acetone	20	ug/L	U	1	20	OK
MW-70	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-70	Arsenic	5	ug/L	U	20	5	OK
MW-70	Benzene	1	ug/L	U	1	1	OK
MW-70	Beryllium	0.5	ug/L		5	0.5	OK
MW-70	Bicarbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-70	Cadmium	0.5	ug/L		20	0.5	OK
MW-70	Calcium	20	mg/L		20	0.5	OK
MW-70	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-70	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-70	Chloride	2	mg/L		20	1	OK
MW-70	Chloroform	1	ug/L	U	1	1	OK
MW-70	Chloromethane	1	ug/L	U	1	1	OK
MW-70	Chromium	25	ug/L	U	20	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-70	Cobalt	10	ug/L		20	10	OK
MW-70	Copper	10	ug/L		20	10	OK
MW-70	Fluoride	0.4	mg/L		4	0.1	OK
MW-70	Gross Radium Alpha	0.305	pCi/L		1	1	OK
MW-70	Iron	1000	ug/L		200	30	OK
MW-70	Lead	1	ug/L	U	5	1	OK
MW-70	Magnesium	20	mg/L		20	0.5	OK
MW-70	Manganese	20	ug/L		200	10	OK
MW-70	Mercury	0.5	ug/L	U	1	0.5	OK
MW-70	Methylene chloride	1	ug/L	U	1	1	OK
MW-70	Molybdenum	10	ug/L	U	20	10	OK
MW-70	Naphthalene	1	ug/L	U	1	1	OK
MW-70	Nickel	20	ug/L		20	20	OK
MW-70	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-70	Potassium	1	mg/L		1	0.5	OK
MW-70	Selenium	5	ug/L	U	20	5	OK
MW-70	Silver	10	ug/L	U	20	10	OK
MW-70	Sodium	20	mg/L		20	0.5	OK
MW-70	Sulfate	375	mg/L		500	1	OK
MW-70	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-70	Thallium	0.5	ug/L		5	0.5	OK
MW-70	Tin	100	ug/L	U	20	100	OK
MW-70	Toluene	1	ug/L	U	1	1	OK
MW-70	Uranium	0.3	ug/L		2	0.3	OK
MW-70	Vanadium	15	ug/L	U	1	15	OK
MW-70	Xylenes, Total	1	ug/L	U	1	1	OK
MW-70	Zinc	10	ug/L		20	10	OK
TW4-24	2-Butanone	20	ug/L	U	1	20	OK
TW4-24	Acetone	20	ug/L	U	1	20	OK
TW4-24	Ammonia (as N)	0.05	mg/L		1	0.05	OK
TW4-24	Arsenic	5	ug/L		5	5	OK
TW4-24	Benzene	1	ug/L	U	1	1	OK
TW4-24	Beryllium	0.5	ug/L	U	5	0.5	OK
TW4-24	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
TW4-24	Cadmium	0.5	ug/L		5	0.5	OK
TW4-24	Calcium	20	mg/L		20	0.5	OK
TW4-24	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-24	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
TW4-24	Chloride	20	mg/L		200	1	OK
TW4-24	Chloroform	1	ug/L		1	1	OK
TW4-24	Chloromethane	1	ug/L	U	1	1	OK
TW4-24	Chromium	25	ug/L	U	5	25	OK
TW4-24	Cobalt	10	ug/L		5	10	OK
TW4-24	Copper	10	ug/L	U	5	10	OK
TW4-24	Fluoride	0.2	mg/L		2	0.1	OK
TW4-24	Gross Radium Alpha	0.925	pCi/L	U	1	1	OK
TW4-24	Iron	30	ug/L	U	5	30	OK
TW4-24	Lead	1	ug/L	U	5	1	OK
TW4-24	Magnesium	10	mg/L		10	0.5	OK
TW4-24	Manganese	10	ug/L		50	10	OK
TW4-24	Mercury	0.5	ug/L	U	1	0.5	OK
TW4-24	Methylene chloride	1	ug/L	U	1	1	OK
TW4-24	Molybdenum	10	ug/L		50	10	OK
TW4-24	Naphthalene	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-24	Nickel	20	ug/L	U	5	20	OK
TW4-24	Nitrate/Nitrite (as N)	0.5	mg/L		50	0.1	OK
TW4-24	Potassium	10	mg/L		10	0.5	OK
TW4-24	Selenium	5	ug/L		5	5	OK
TW4-24	Silver	10	ug/L	U	5	10	OK
TW4-24	Sodium	50	mg/L		50	0.5	OK
TW4-24	Sulfate	150	mg/L		200	1	OK
TW4-24	Tetrahydrofuran	1	ug/L		1	1	OK
TW4-24	Thallium	0.5	ug/L		5	0.5	OK
TW4-24	Tin	100	ug/L	U	5	100	OK
TW4-24	Toluene	1	ug/L	U	1	1	OK
TW4-24	Uranium	5	ug/L		50	0.3	OK
TW4-24	Vanadium	15	ug/L	U	1	15	OK
TW4-24	Xylenes, Total	1	ug/L	U	1	1	OK
TW4-24	Zinc	10	ug/L	U	5	10	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Sulfate	75	mg/L		100	1	OK
MW-11	Chloride	1	mg/L		5	1	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Sulfate	150	mg/L		200	1	OK
MW-11	Chloride	1	mg/L		5	1	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-14	Sulfate	150	mg/L		200	1	OK
MW-14	Fluoride	0.1	mg/L	U	1	0.1	OK
MW-14	Sulfate	150	mg/L		200	1	OK
MW-14	Fluoride	0.1	mg/L	U	1	0.1	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-26	Chloride	1	mg/L		10	1	OK
MW-26	Chloroform	20	ug/L		20	1	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-26	Chloride	1	mg/L		10	1	OK
MW-26	Chloroform	20	ug/L		20	1	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
MW-30	Chloride	2	mg/L		20	1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-30	Chloride	2	mg/L		20	1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-31	Sulfate	75	mg/L		100	1	OK
MW-31	Chloride	10	mg/L		100	1	OK
MW-31	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Sulfate	75	mg/L		100	1	OK
MW-31	Chloride	10	mg/L		100	1	OK
MW-31	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-36	Sulfate	150	mg/L		200	1	OK
MW-36	Sulfate	150	mg/L		200	1	OK
MW-65	Chloride	2	mg/L		20	1	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-65	Cadmium	0.5	ug/L		20	0.5	OK

G-6A: Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
AWAL 2004292	04/06/20	American West Analytical Laboratories
AWAL 2004452	04/13/20	American West Analytical Laboratories
AWAL 2004553	04/21/20	American West Analytical Laboratories

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 2005178	5/6/2020	American West Analytical Laboratories
AWAL 2006183	6/3/2020	American West Analytical Laboratories

G-7A: QA/QC Evaluation for Routine Sample Duplicates

Constituent	MW-05 4/8/20	MW-65 04/08/20	%RPD
Ammonia (as N) (mg/L)	0.3690	0.373	1.08
Bicarbonate as HCO3 (mg/L)	280	262	6.64
Calcium (mg/L)	155	155	0.00
Chloride (mg/L)	49.0	50.7	3.41
Fluoride (mg/L)	0.814	0.791	2.87
Iron (mg/L)	0.034	ND	NC
Magnesium (mg/L)	45.0	45.2	0.44
Manganese (mg/L)	0.128	0.130	1.55
Nitrate + Nitrite (as N) (mg/L)	0.142	0.14	2.14
Potassium (mg/L)	8.45	8.97	5.97
Sodium (mg/L)	538	516	4.17
Sulfate (mg/L)	1200	1170	2.53
TDS (mg/L)	2130	2150	0.93
Tetrahydrofuran	2.36	2.46	4.15
Uranium (mg/L)	0.000643	0.000606	5.92
Constituent	**MW-39 4/15/20**	**MW-70 4/15/20**	**%RPD**
Ammonia (as N) (mg/L)	0.260	0.267	2.66
Beryllium (mg/L)	0.00499	0.00492	1.41
Cadmium (mg/L)	0.00266	0.00265	0.38
Calcium (mg/L)	470	468	0.43
Chloride (mg/L)	39.0	38.5	1.29
Cobalt (mg/L)	0.0671	0.0676	0.74
Copper (mg/L)	0.0280	0.0285	1.77
Fluoride (mg/L)	0.752	0.721	4.21
Iron (mg/L)	14.8	14.9	0.67
Magnesium (mg/L)	204	201	1.48
Manganese (mg/L)	2.24	2.26	0.89
Nickel (mg/L)	0.0332	0.0339	2.09
Nitrate + Nitrite (as N) (mg/L)	0.106	0.106	0.00
Potassium (mg/L)	15.0	14.8	1.34
Sodium (mg/L)	568	559	1.60
Sulfate (mg/L)	2870	3000	4.43
TDS (mg/L)	4140	4000	3.44
Thallium (mg/L)	0.00356	0.00360	1.12
Uranium (mg/L)	0.0112	0.0115	2.64
Zinc (mg/L)	0.233	0.238	2.12
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U*	2.62	2.66	0.171
Gross Alpha minus Rn & U Precision (±)	0.160	0.170	

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

RPD exceeds the QAP limit of 20%.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-30 5/6/20	MW-65 5/6/20	%RPD*
Nitrate + Nitrite (as N) (mg/L)	18.6	18.7	0.54
Chloride (mg/L)	177	173	2.29
Selenium (mg/L)	0.0515	0.0505	1.96
Uranium (mg/L)	0.00894	0.00890	0.45
Constituent	**MW-25 6/3/20**	**MW-65 6/3/20**	**%RPD***
Cadmium (mg/L)	0.00146	0.00154	5.33

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

RPD exceeds the QAP limit of 20%.

G-8A: Radiologics Counting Error

Well	Sample Date	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-01	04/15/20	1.00 U	0.103	NC	-	
MW-02	04/07/20	1.38	0.367	N	3.2	Y
MW-03A	04/13/20	1.00 U	0.100	NC	7.5	NC
MW-05	04/08/20	1.00 U	0.219	NC	3.75	NC
MW-11	04/08/20	1.00 U	0.303	NC	3.75	NC
MW-12	04/09/20	1.00 U	0.255	NC	7.5	NC
MW-14	04/06/20	1.22	0.409	N	7.5	Y
MW-15	04/07/20	1.00 U	0.300	NC	7.5	NC
MW-17	04/13/20	1.00 U	0.122	NC	2.8	NC
MW-18	01/14/20	1.00 U	0.0942	NC	-	
MW-19	04/13/20	1.00 U	0.207	NC	-	
MW-20	04/21/20	1.00 U	0.289	NC	-	
MW-22	04/15/20	3.10	0.177	Y	-	
MW-23	04/21/20	1.00 U	0.315	NC	2.86	NC
MW-24	04/22/20	5.69	0.602	Y	7.5	N/A
MW-24A	04/14/20	2.04	0.143	Y	-	
MW-25	04/07/20	1.00 U	0.325	NC	2.86	NC
MW-26	04/08/20	1.99	0.432	N	4.69	Y
MW-27	04/08/20	1.00 U	0.339	NC	4.69	NC
MW-28	04/15/20	1.69	0.144	Y	2.42	N/A
MW-29	04/08/20	1.00 U	0.296	NC	2.42	NC
MW-30	04/06/20	1.00 U	0.295	NC	3.75	NC
MW-31	04/06/20	1.07	0.347	N	7.5	Y
MW-32	04/07/20	3.52	0.549	Y	3.33	N/A
MW-35	04/09/20	7.16	0.917	Y	7.5	N/A
MW-36	04/09/20	1.00 U	0.313	NC	7.5	NC
MW-37	04/21/20	1.98	0.419	N	4.2	Y
MW-38	04/22/20	1.00 U	0.336	NC	-	
MW-39	04/15/20	2.62	0.160	Y	-	
MW-40	04/14/20	1.00 U	0.123	NC	-	
TW4-24	04/08/20	1.00 U	0.357	NC	-	
MW-65	04/08/20	1.00 U	0.294	NC	3.75	NC
MW-70	04/15/20	2.66	0.170	Y	-	

N/A = the counting error is less than 20% of the activity as required by the GWDP and/or the value is above the GWCL and this check column is not applicable.
NC = Not calculated. The sample results are nondetect and the check is not applicable.

G-8B: Radiologics Counting Error for Accelerated Samples

There are no accelerated samples collected for Gross Alpha.

G-9A: Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
2004292	MW-29	Magnesium*	NC	NC	70 - 130	NC	20
2004292	MW-29	Sodium*	NC	NC	70 - 130	NC	20
2004292	MW-29	Manganese*	NC	NC	70 - 130	NC	20
2004292	MW-02	Calcium*	NC	NC	70 - 130	NC	20
2004292	MW-29	Calcium*	NC	NC	70 - 130	NC	20
2004292	MW-02	Magnesium*	NC	NC	70 - 130	NC	20
2004292	MW-02	Ammonia (as N)	139	138	90 - 110	1.08	10
2004292	MW-30	Ammonia (as N)	140	138	90 - 110	1.8	10
2004452	MW-01	Calcium*	NC	NC	70 - 130	NC	20
2004452	MW-01	Magnesium*	NC	NC	70 - 130	NC	20
2004452	MW-01	Sodium*	NC	NC	70 - 130	NC	20
2004452	MW-28	Calcium*	NC	NC	70 - 130	NC	20
2004452	MW-28	Sodium*	NC	NC	70 - 130	NC	20
2004452	MW-28	Manganese*	NC	NC	70 - 130	NC	20
2004553	MW-20	Calcium*	NC	NC	70 - 130	NC	20
2004553	MW-20	Sodium*	NC	NC	70 - 130	NC	20
510160	MW-37	Gross Radium Alpha	110	76.4	75 - 125	36.3	20

N/A = QC was not performed on an EFRI sample.

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

LCS % Recovery Comparison

All LCS recoveries were within acceptance limits for the quarter.

Surrogate % Recovery

All Surrogate recoveries were within acceptance limits for the quarter.

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
2004292	MW-14	TDS	3920	3480	11.9	5
2004292	MW-02	TDS	3170	2650	17.70	5
2004452	MW-03A	TDS	6020	5300	12.7	5

** High RPD due to low analyte concentrations. In this range, high RPDs are expected.

N/A = QC was not performed on an EFRI sample.

Method Blank Detections

All Method Blanks were within laboratory established acceptance limits.

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
2006183	MW-26	Chloroform*	NC	NC	83 - 119	NC	35

N/A = QC was not performed on an EFRI sample.
* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

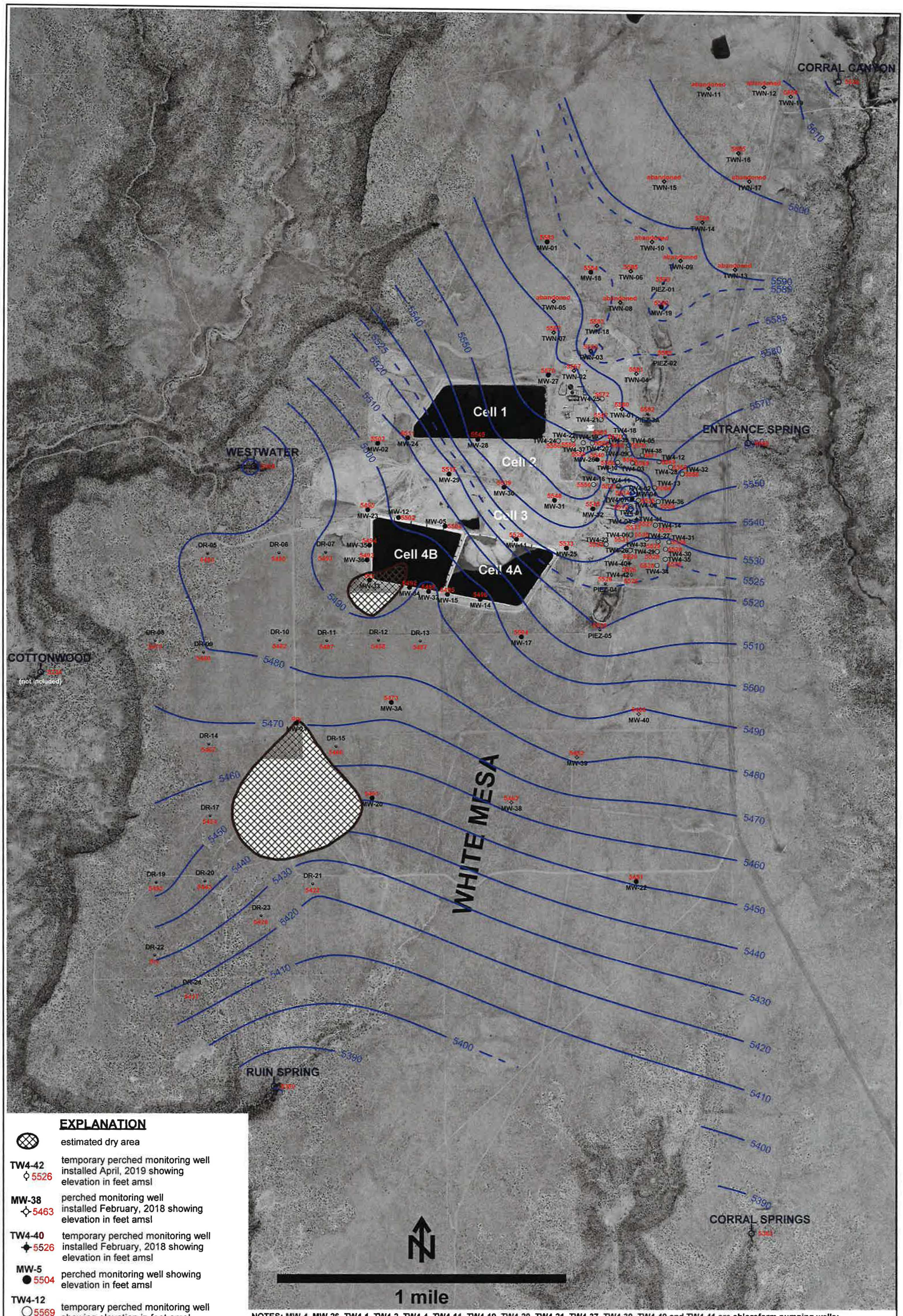
LCS % Recovery Comparison
All LCS recoveries were within labroatory established acceptance limits.

Method Blank Results
The method blanks were non-detect.

Laboratory Duplicate % Recovery Comparison
All Laboratory Duplicates were within established acceptance limits.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

- estimated dry area
- **TW4-42** 5526 — temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- **MW-38** 5463 — perched monitoring well installed February, 2018 showing elevation in feet amsl
- **TW4-40** 5526 — temporary perched monitoring well installed February, 2018 showing elevation in feet amsl
- **MW-5** 5504 — perched monitoring well showing elevation in feet amsl
- **TW4-12** 5569 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** 5567 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5589 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-1, TW4-2 and TW4-11 water levels are below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

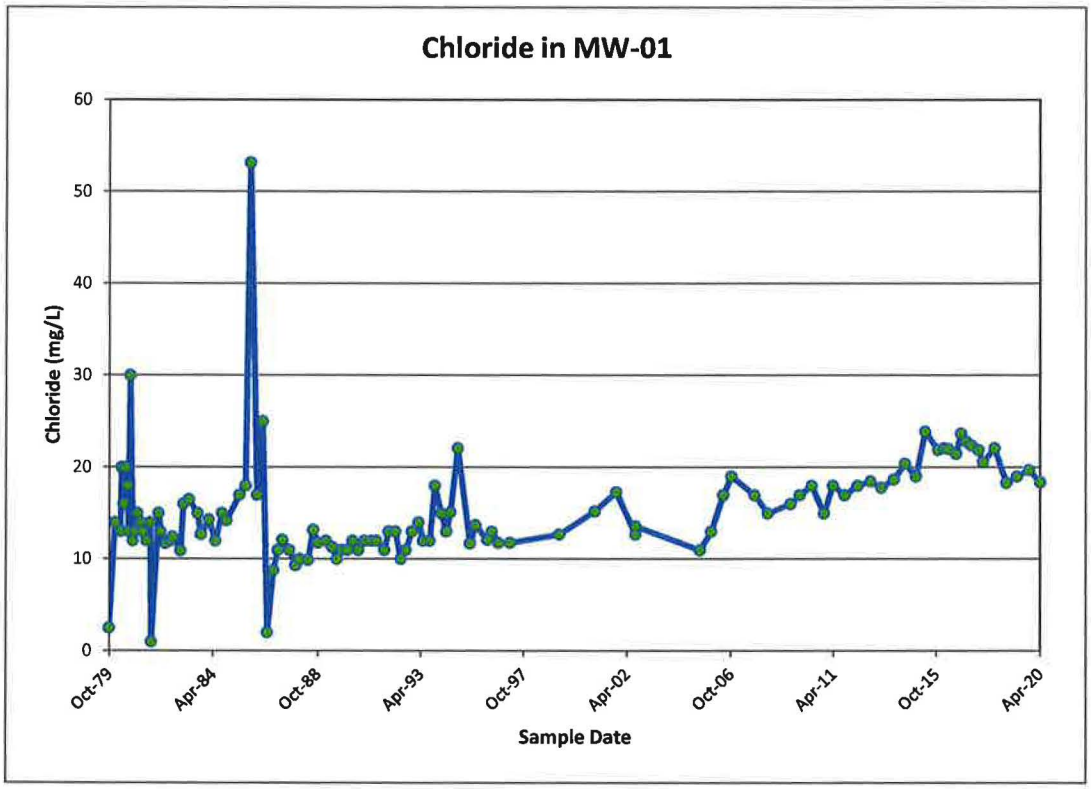
KRIGED 2nd QUARTER, 2020 WATER LEVELS WHITE MESA SITE

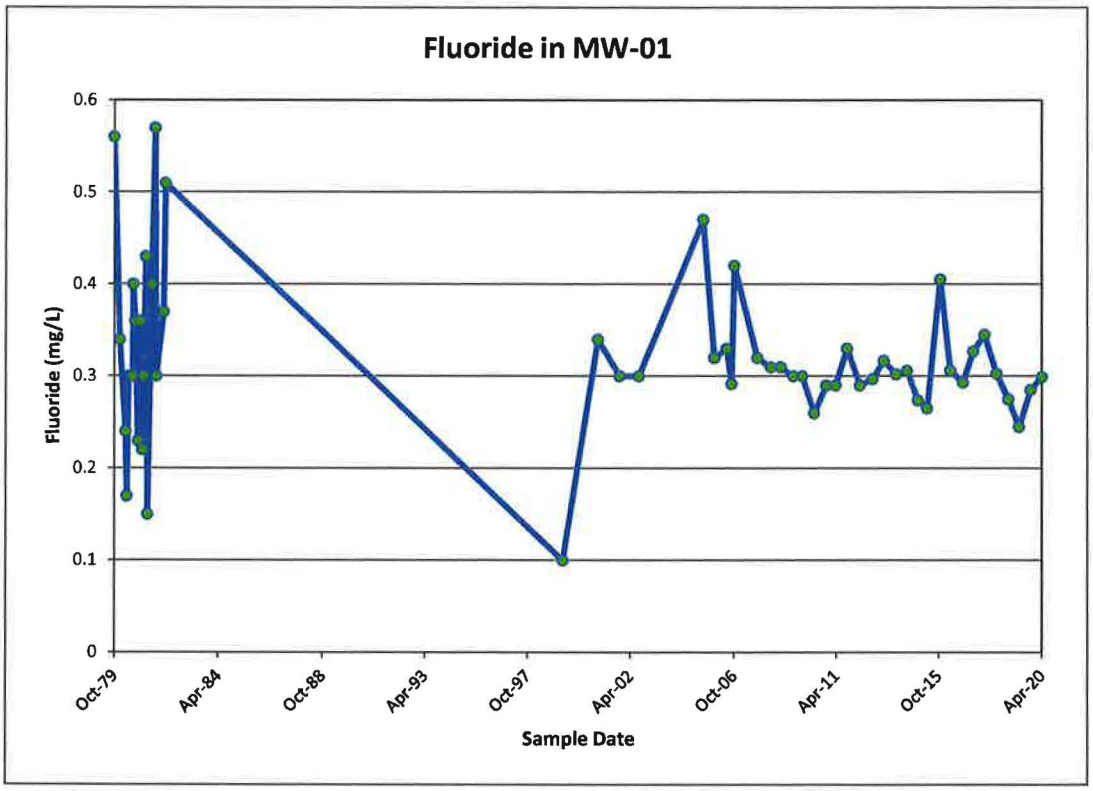
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug20/WL/Uwl0620.srf	H-1

Tab I

Groundwater Time Concentration Plots

Time concentration plots for MW-01





INTERA
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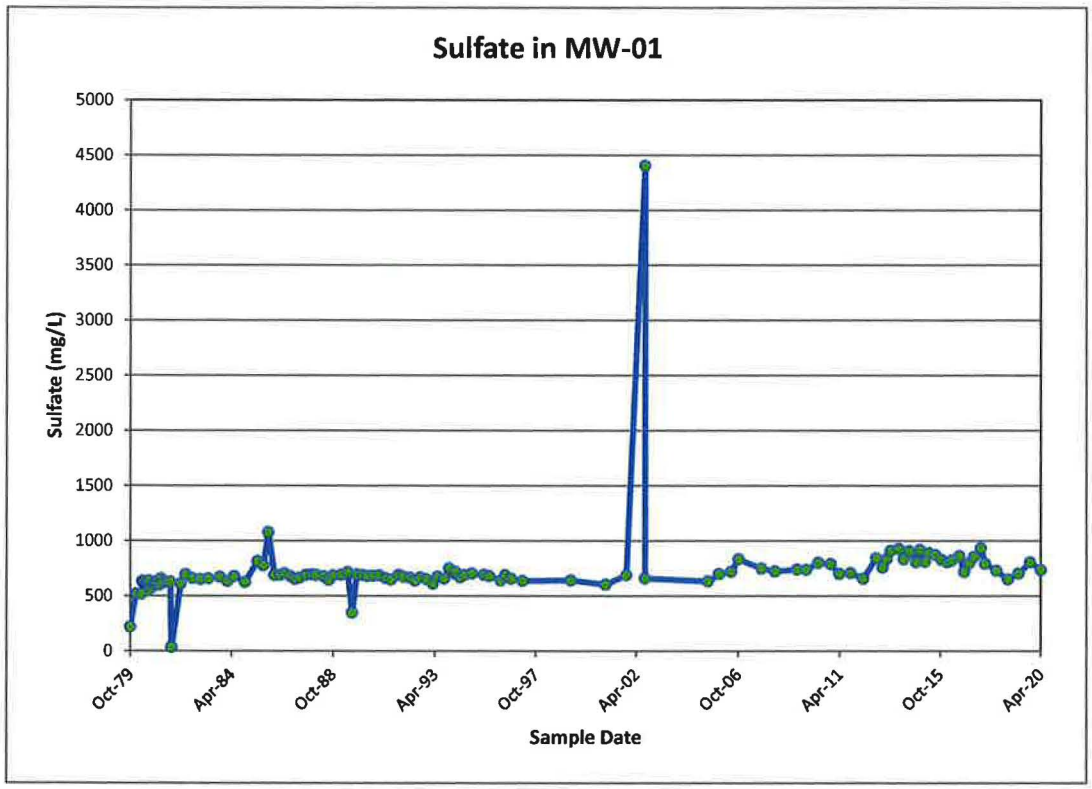
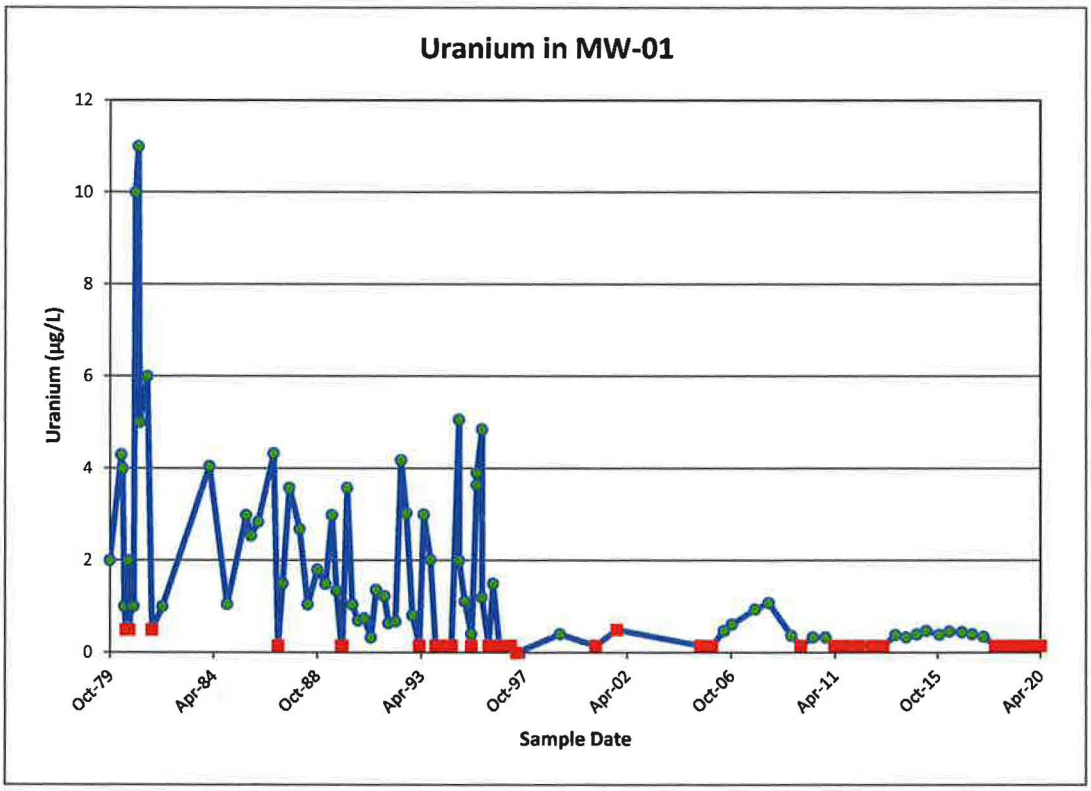
Detected Values

Non-Detected Values

Time concentration plots for MW-01

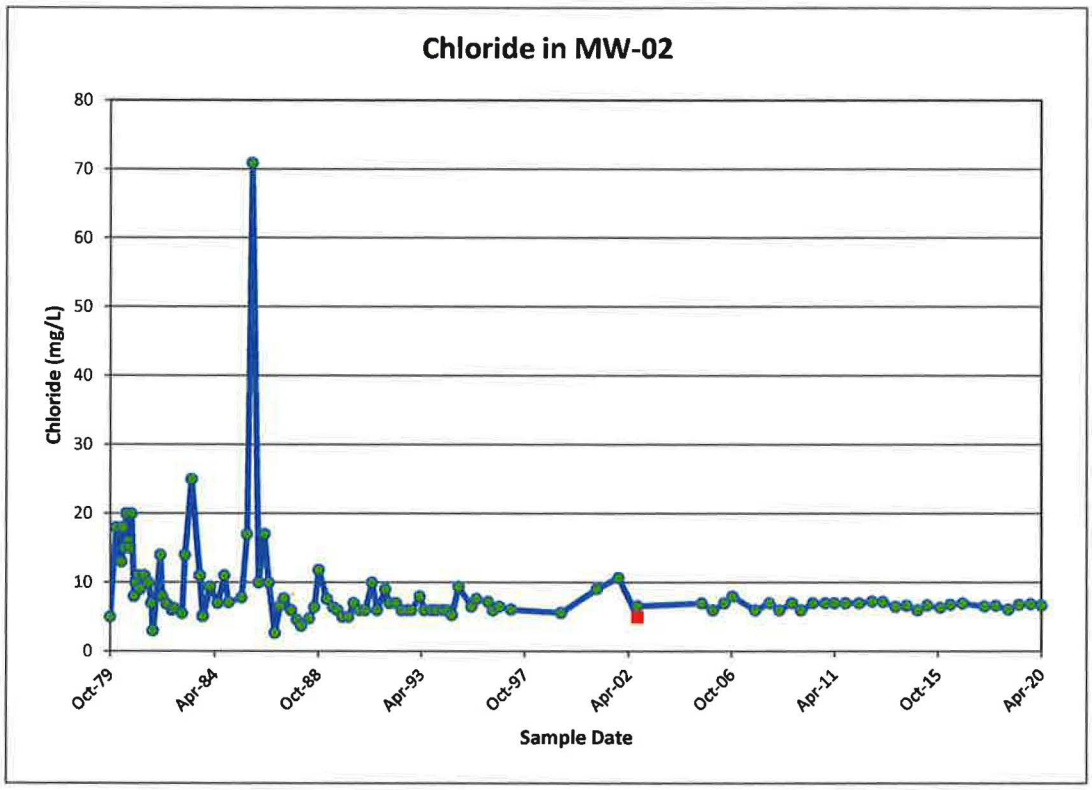


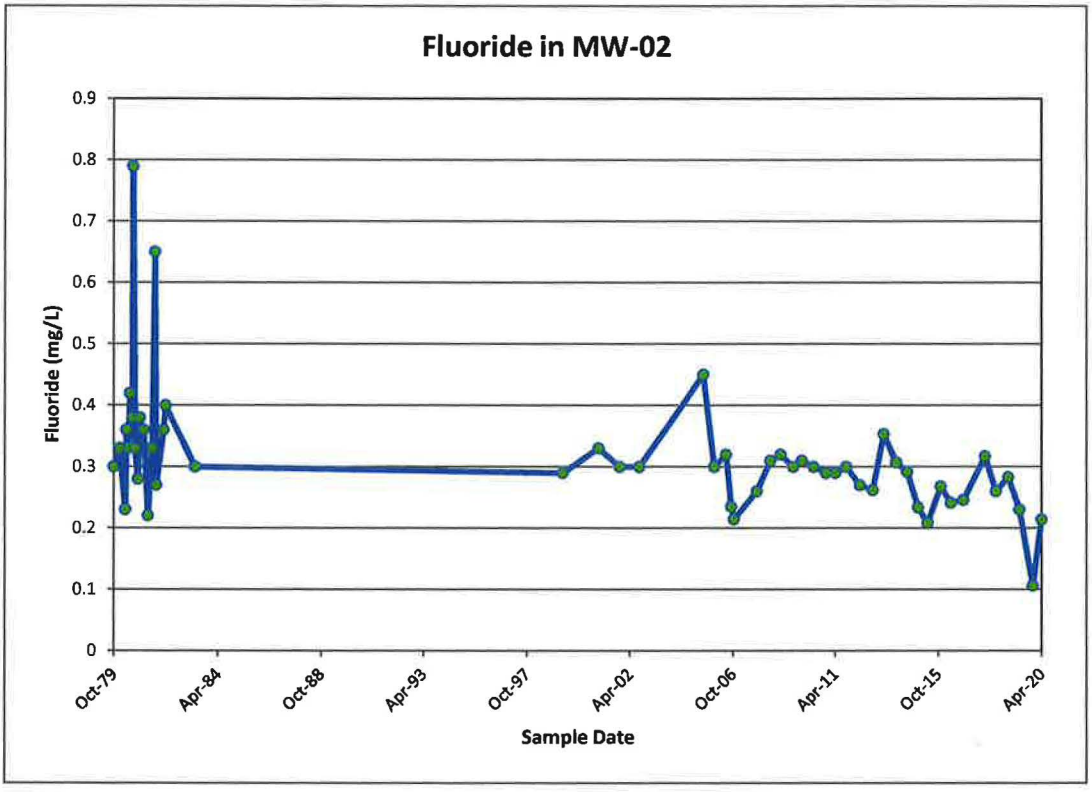


Detected Values

Non-Detected Values

Time concentration plots for MW-02





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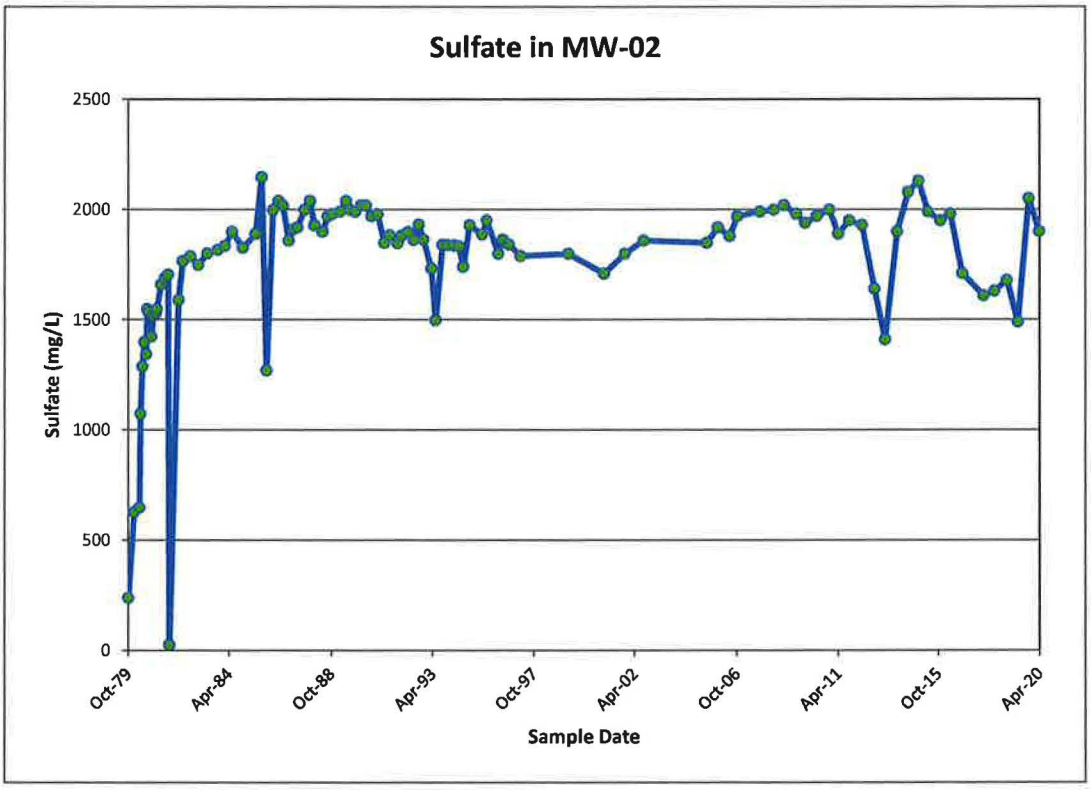
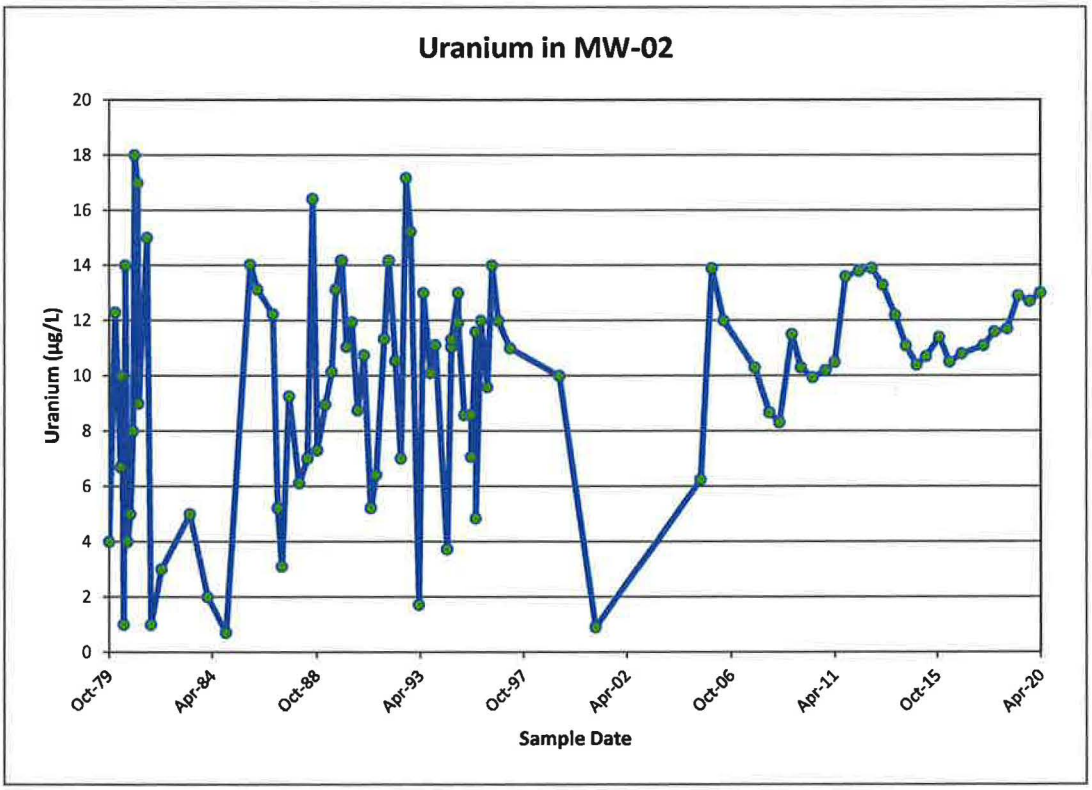
Time concentration plots for MW-02





Detected Values

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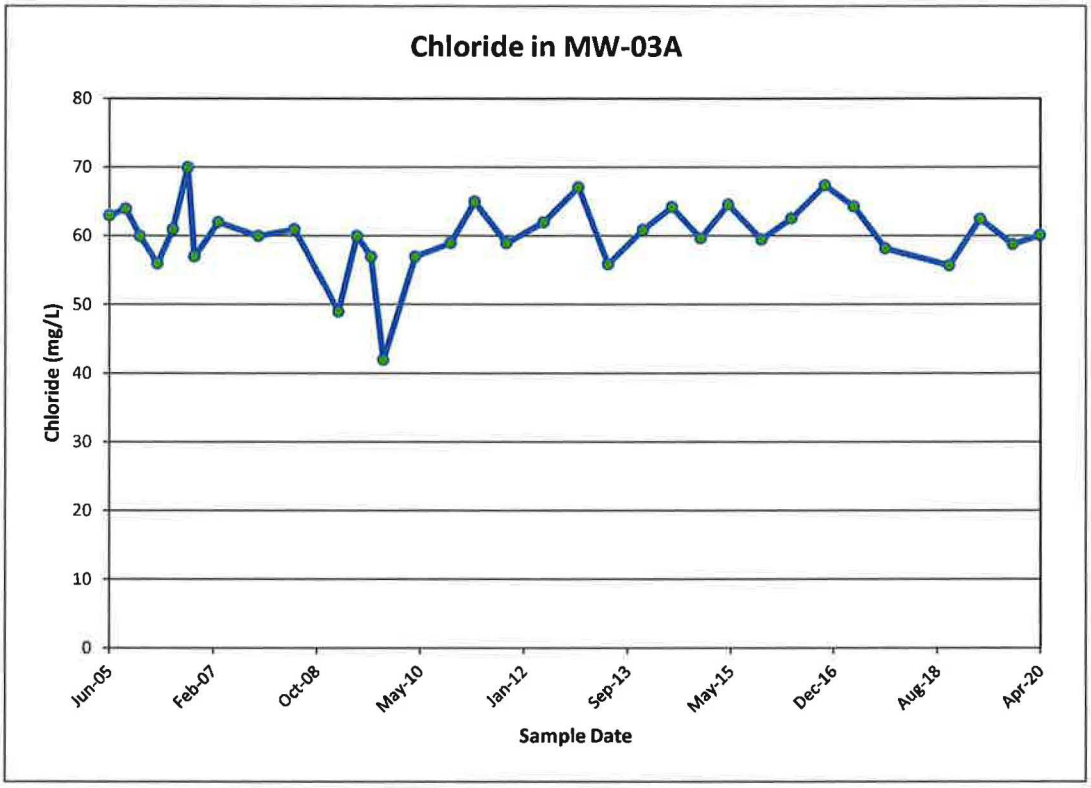
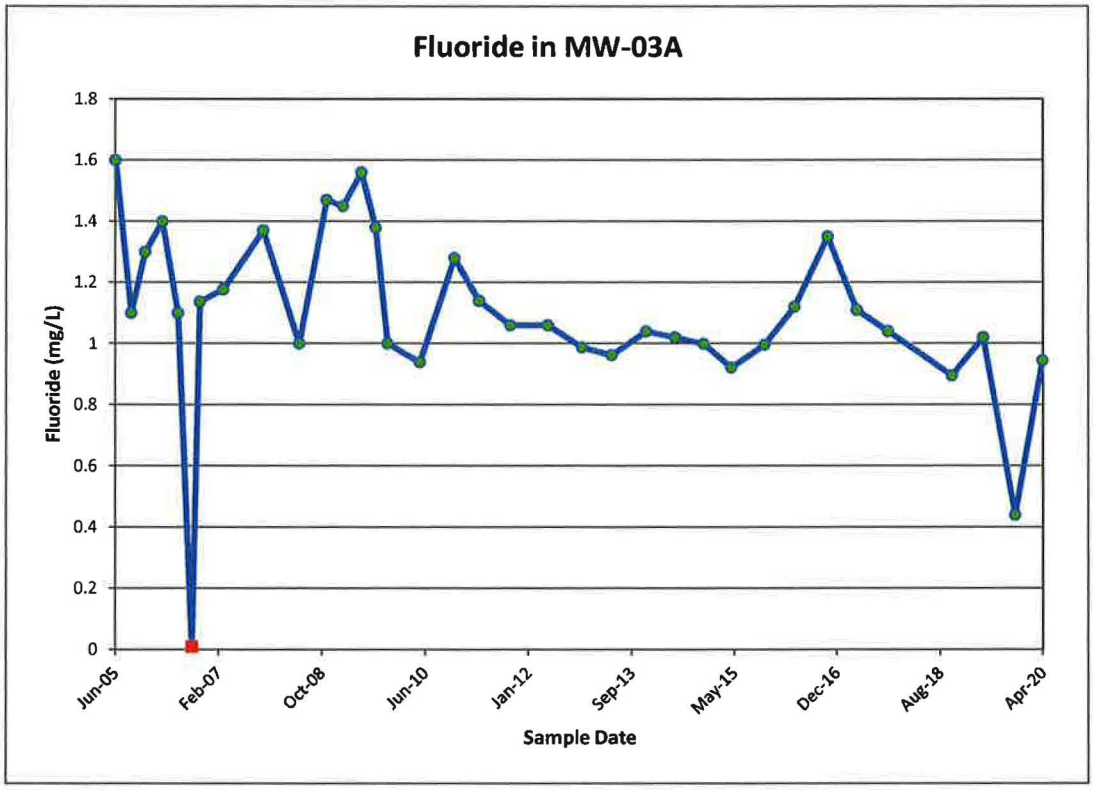
Time concentration plots for MW-03A





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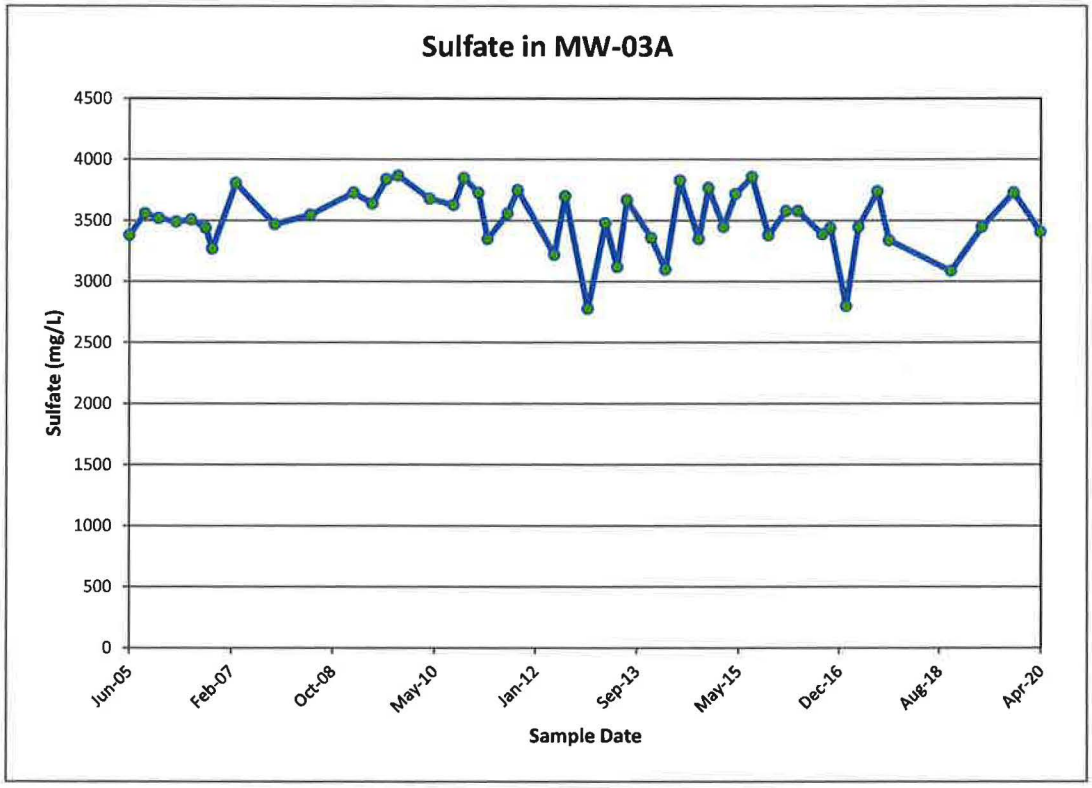
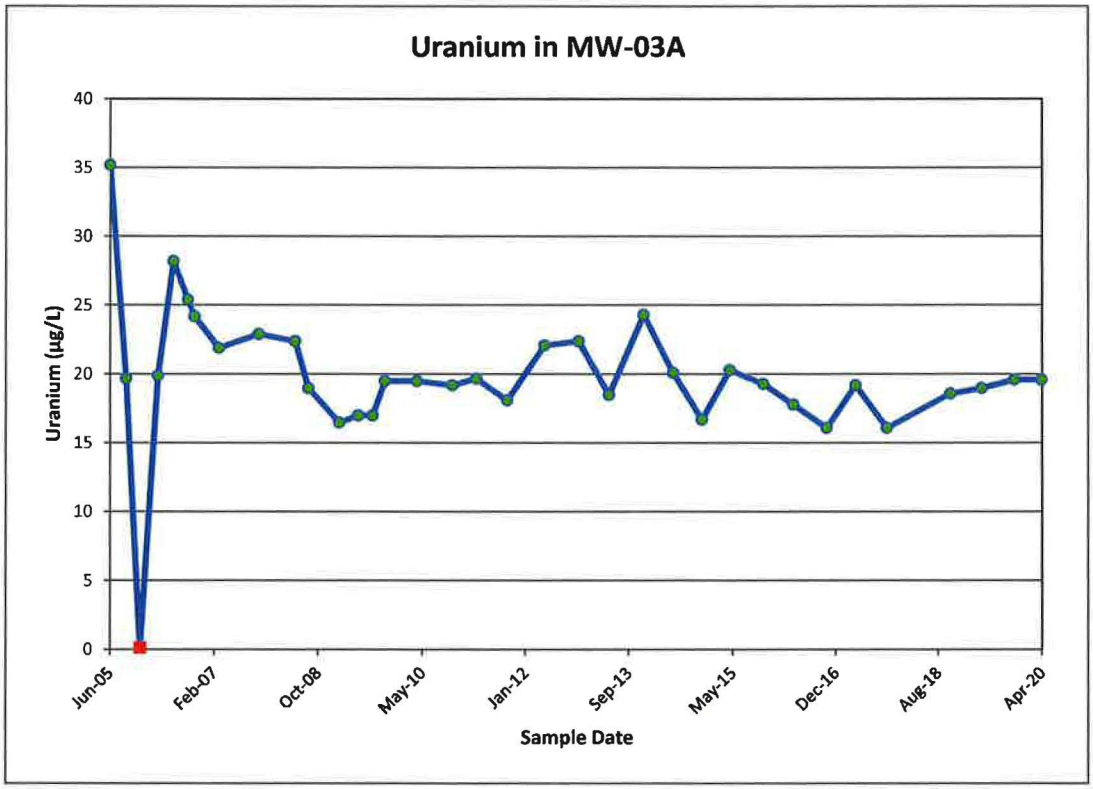
Time concentration plots for MW-03A





INTERA
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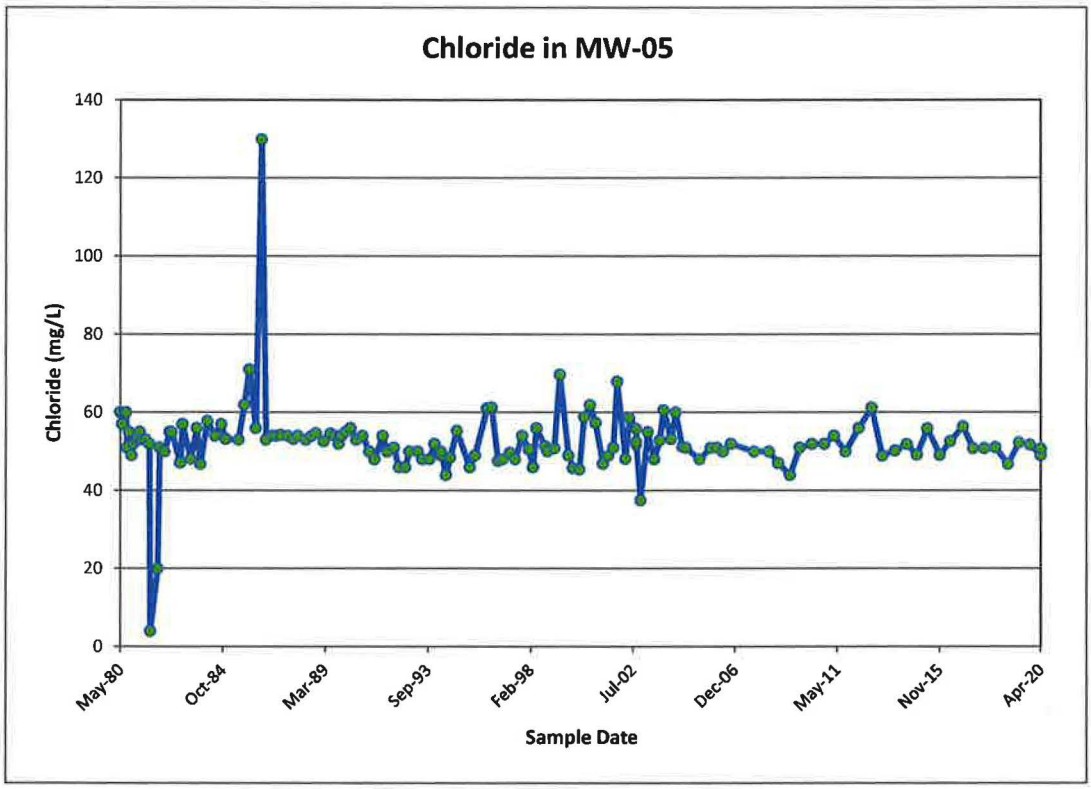
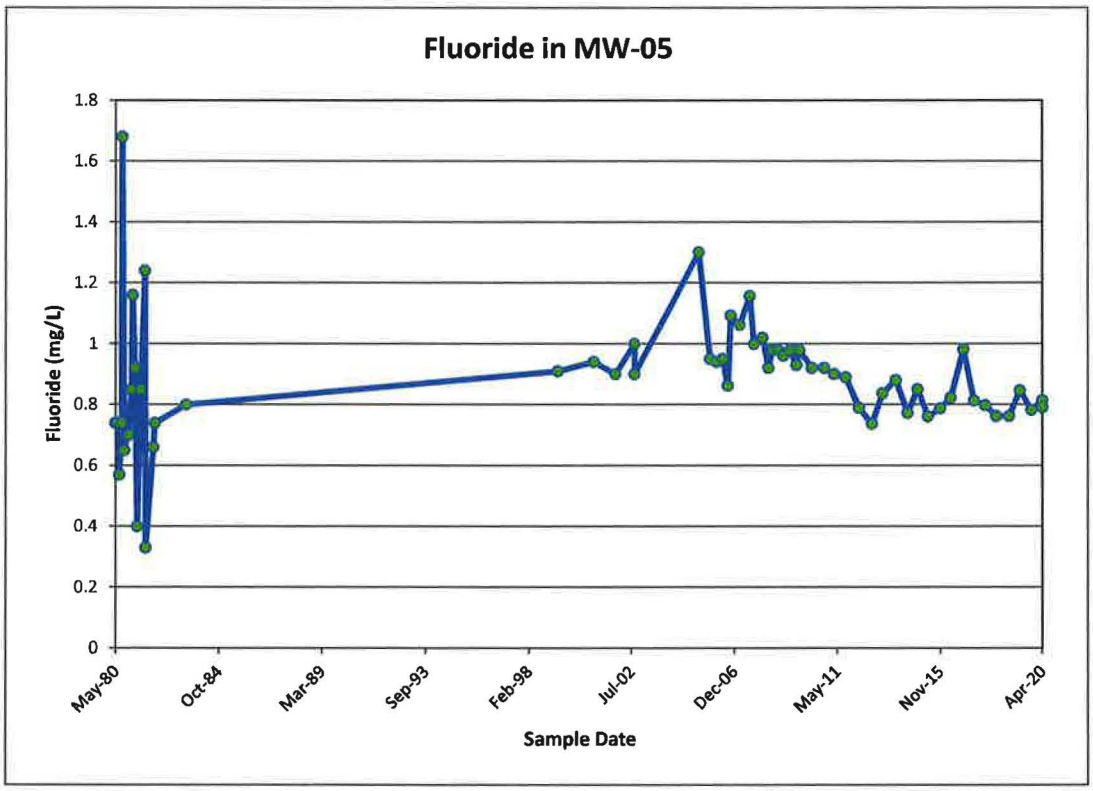
Detected Values

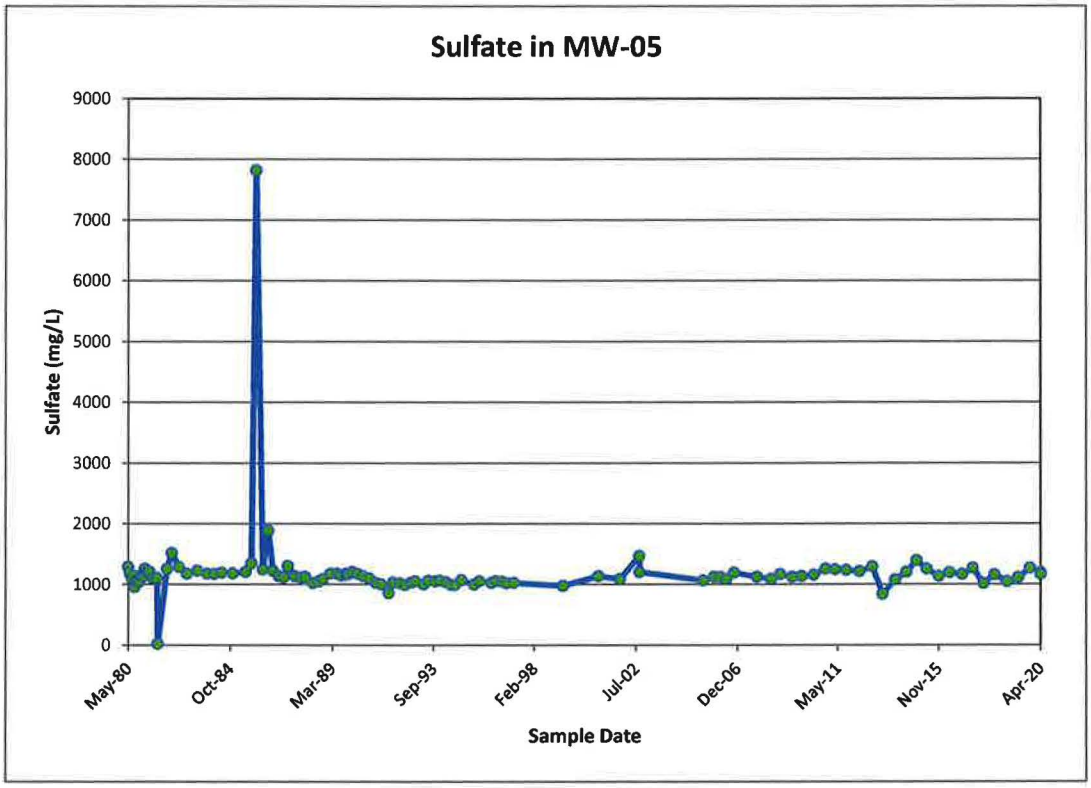
Non-Detected Values

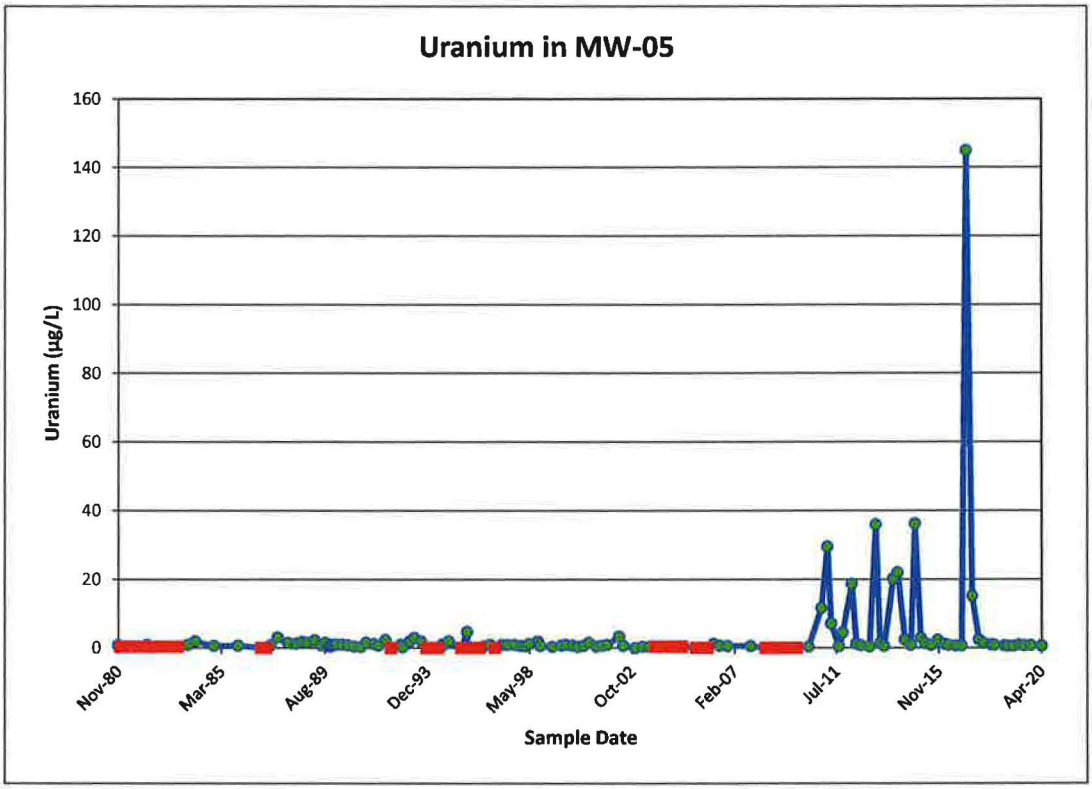
Time concentration plots for MW-05





Time concentration plots for MW-05

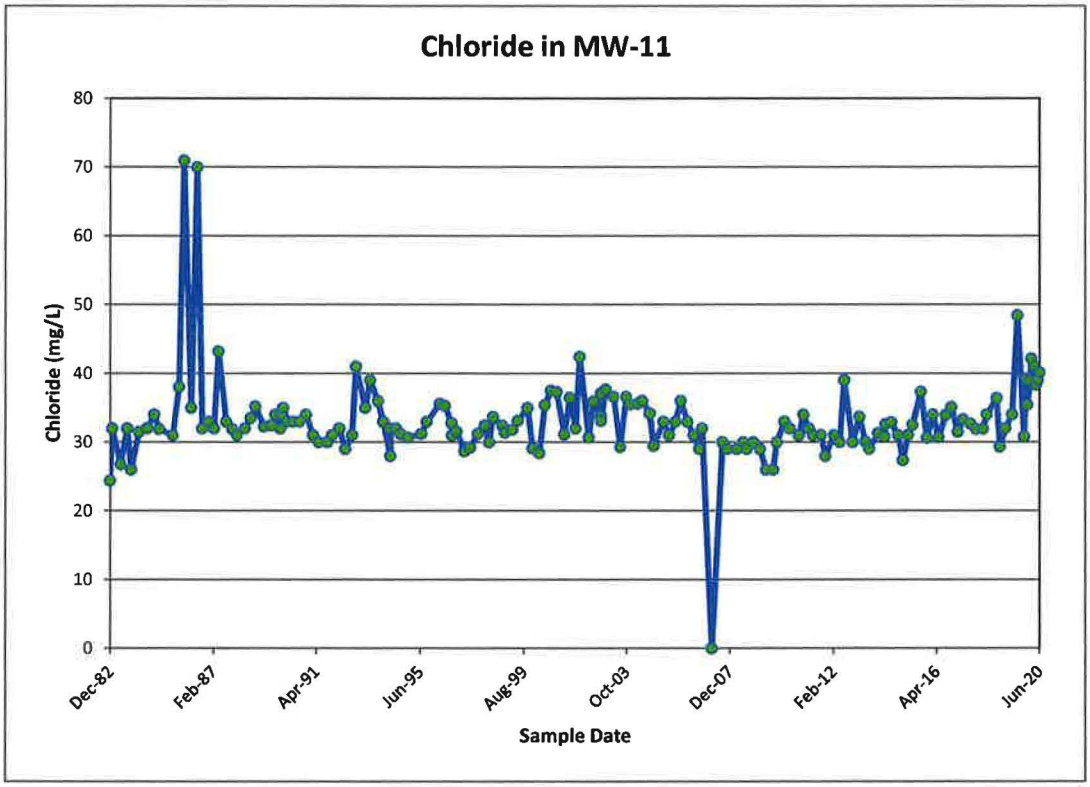


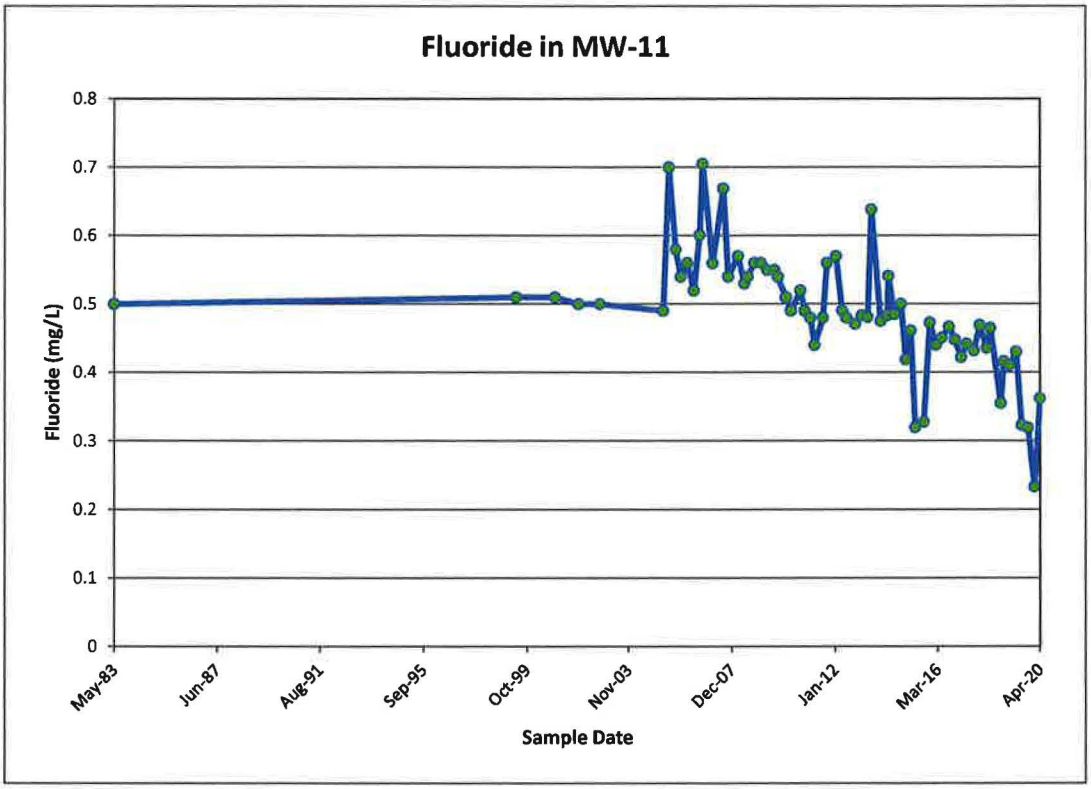


Detected Values

Non-Detected Values

Time concentration plots for MW-11





Detected Values

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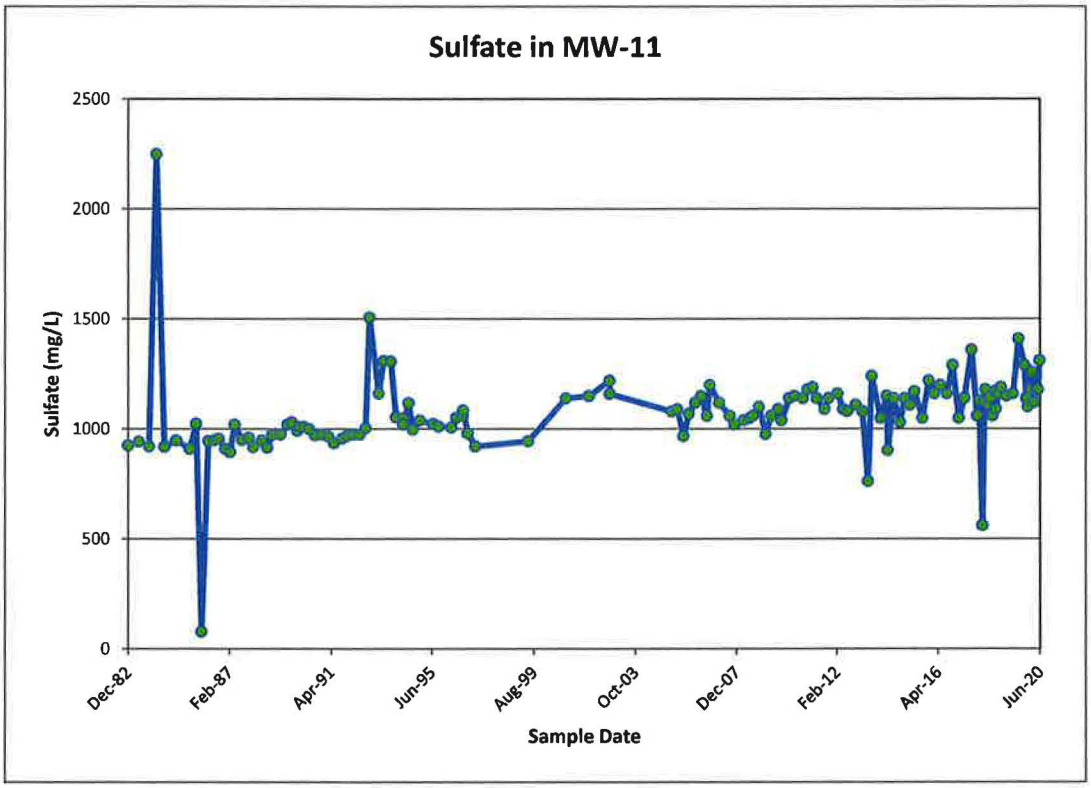
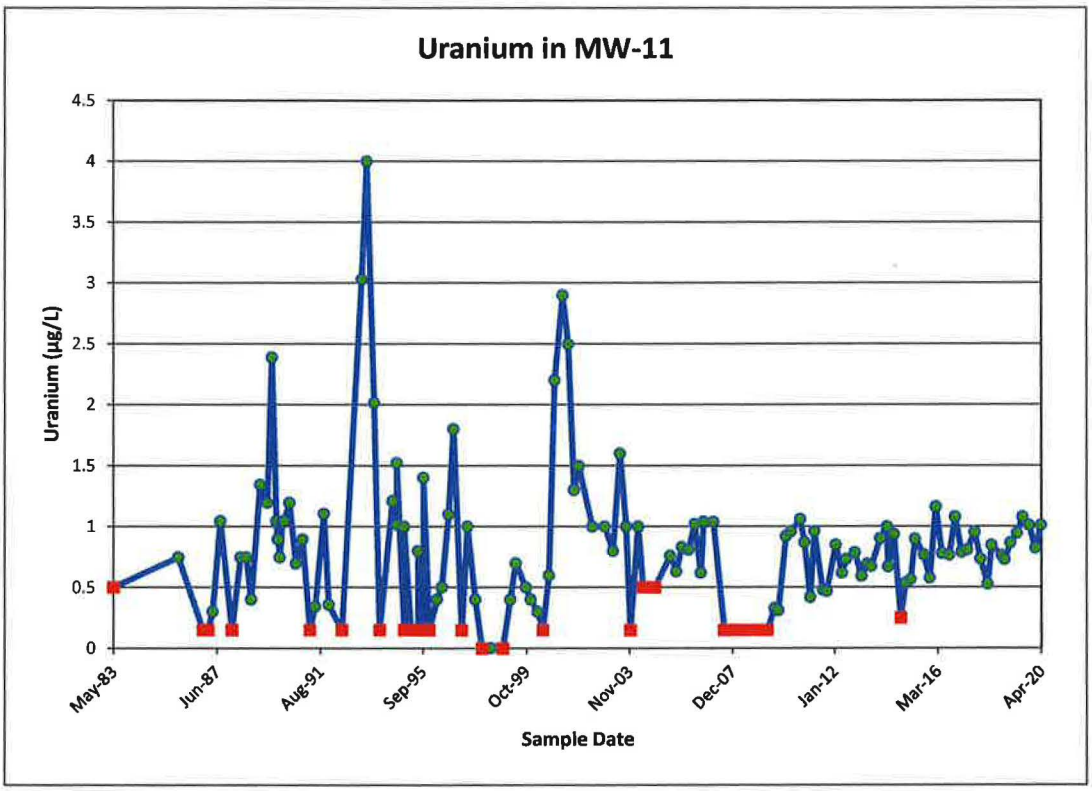
Time concentration plots for MW-11

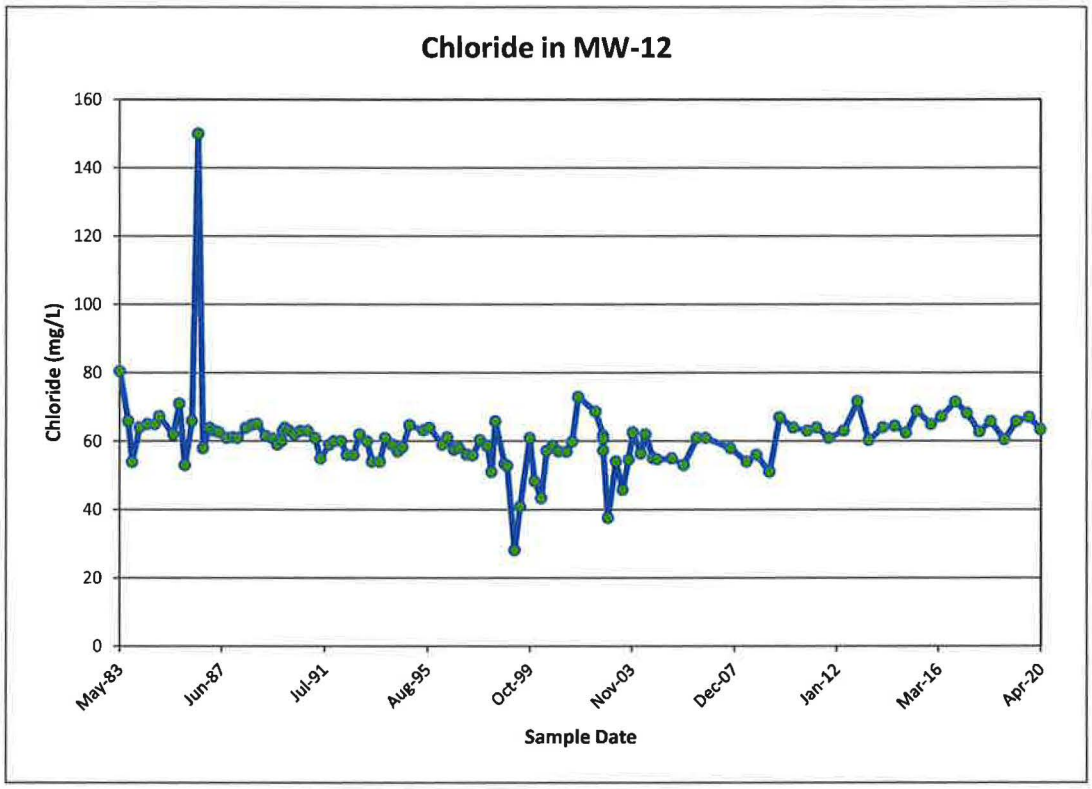


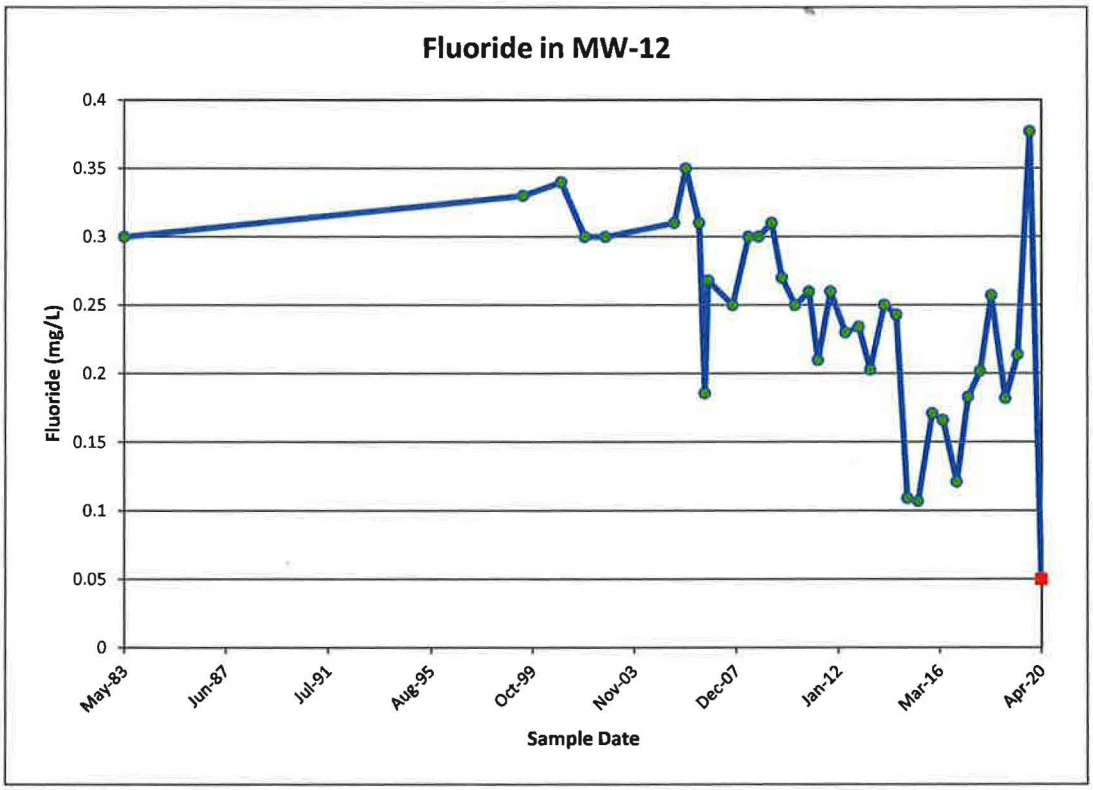


Detected Values

Non-Detected Values

Time concentration plots for MW-12





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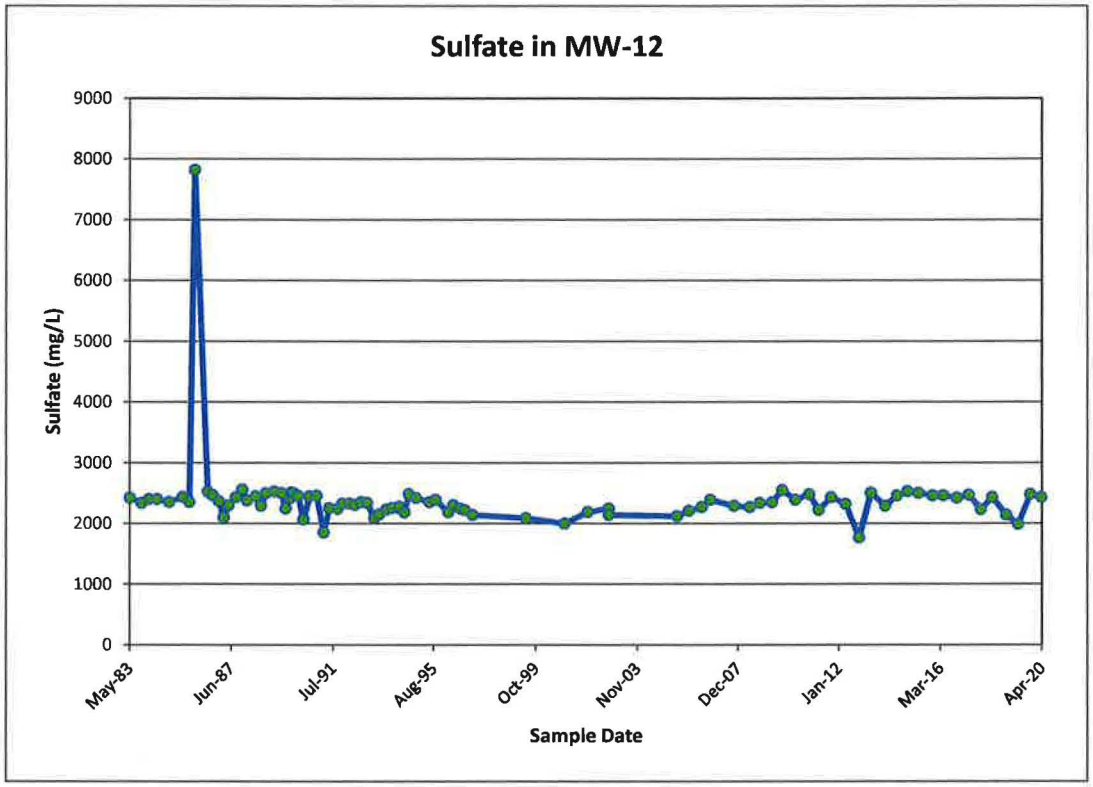
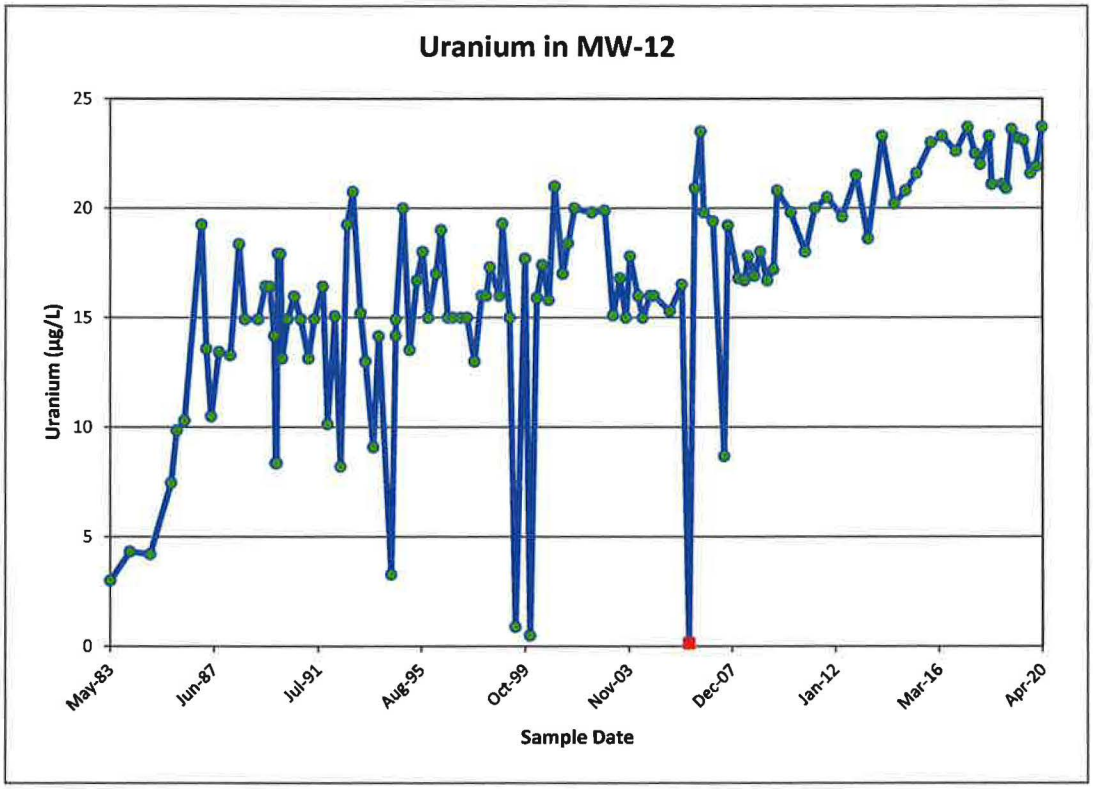
Non-Detected Values

Time concentration plots for MW-12

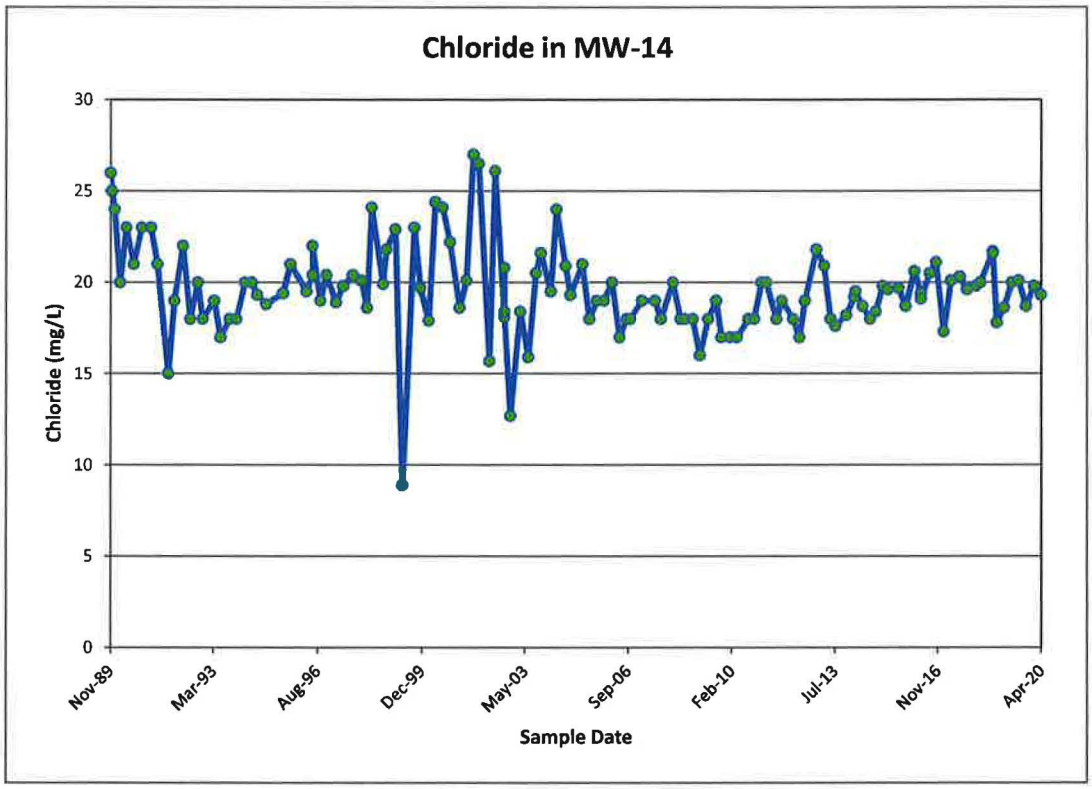


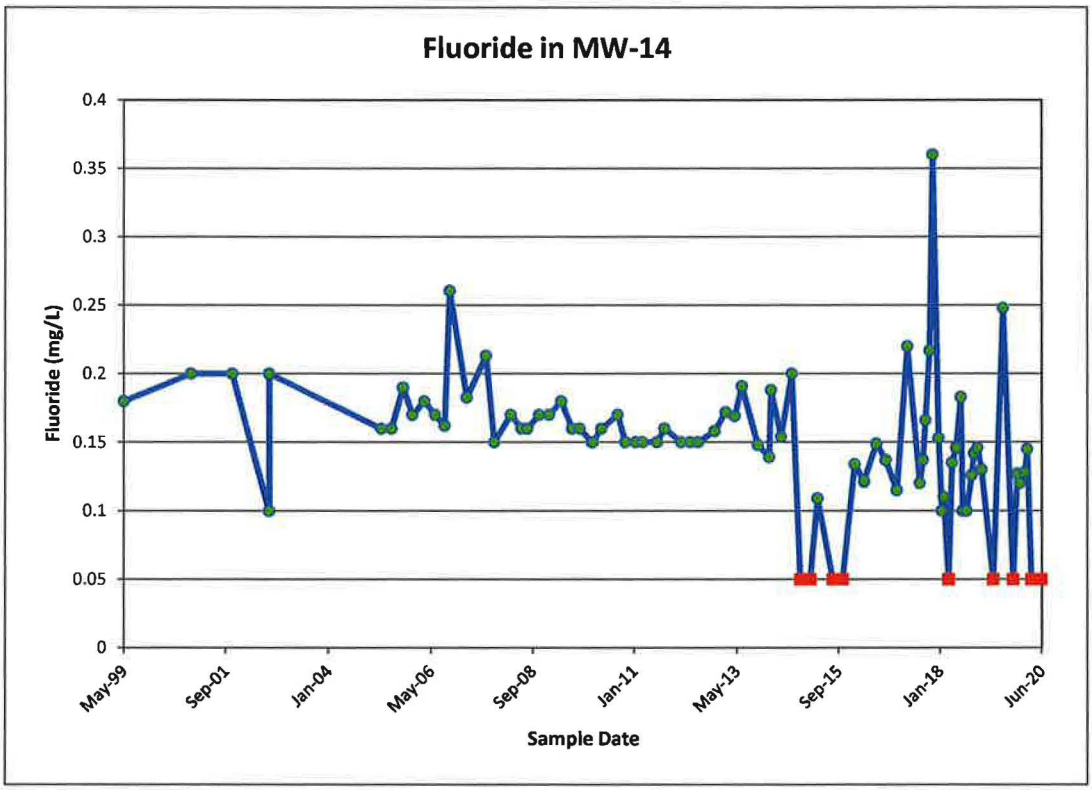


Detected Values

Non-Detected Values

Time concentration plots for MW-14

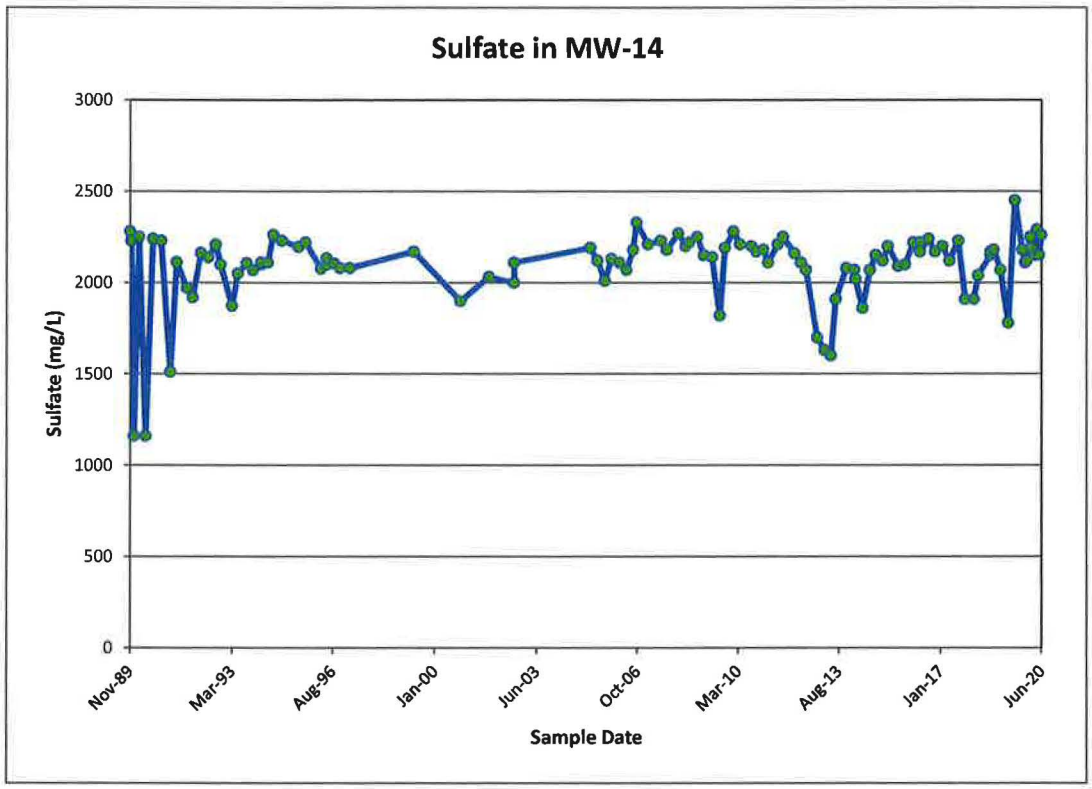


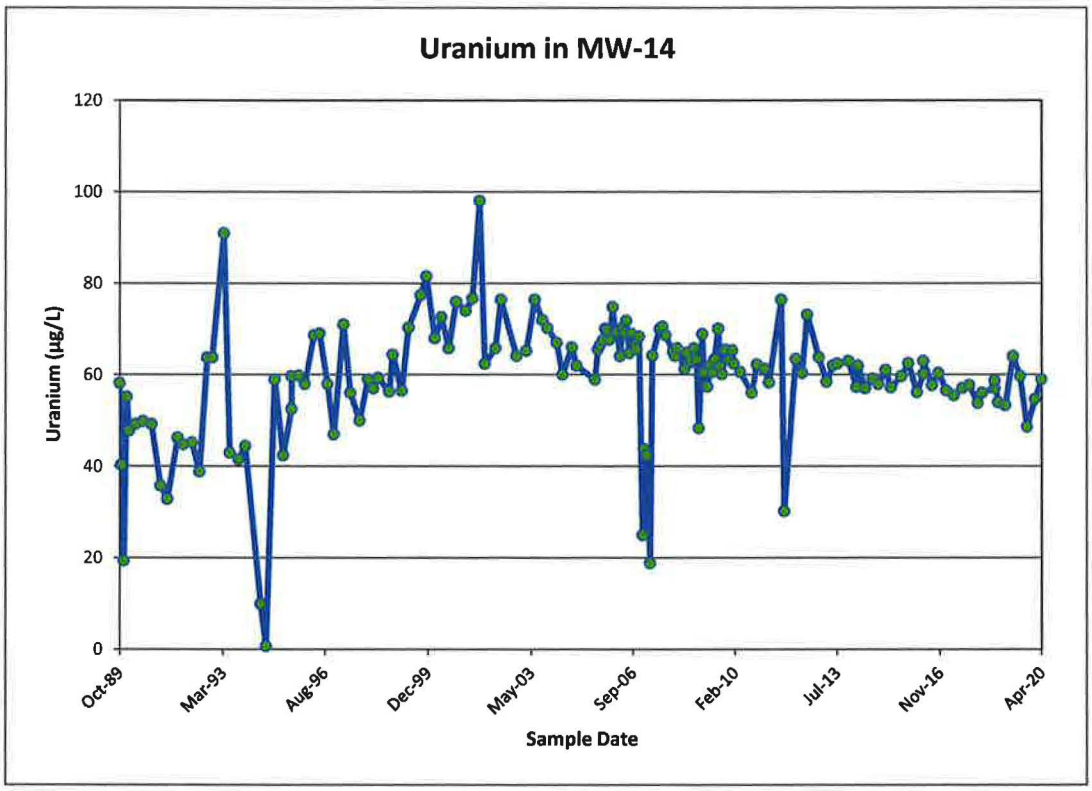


Detected Values

Non-Detected Values

Time concentration plots for MW-14

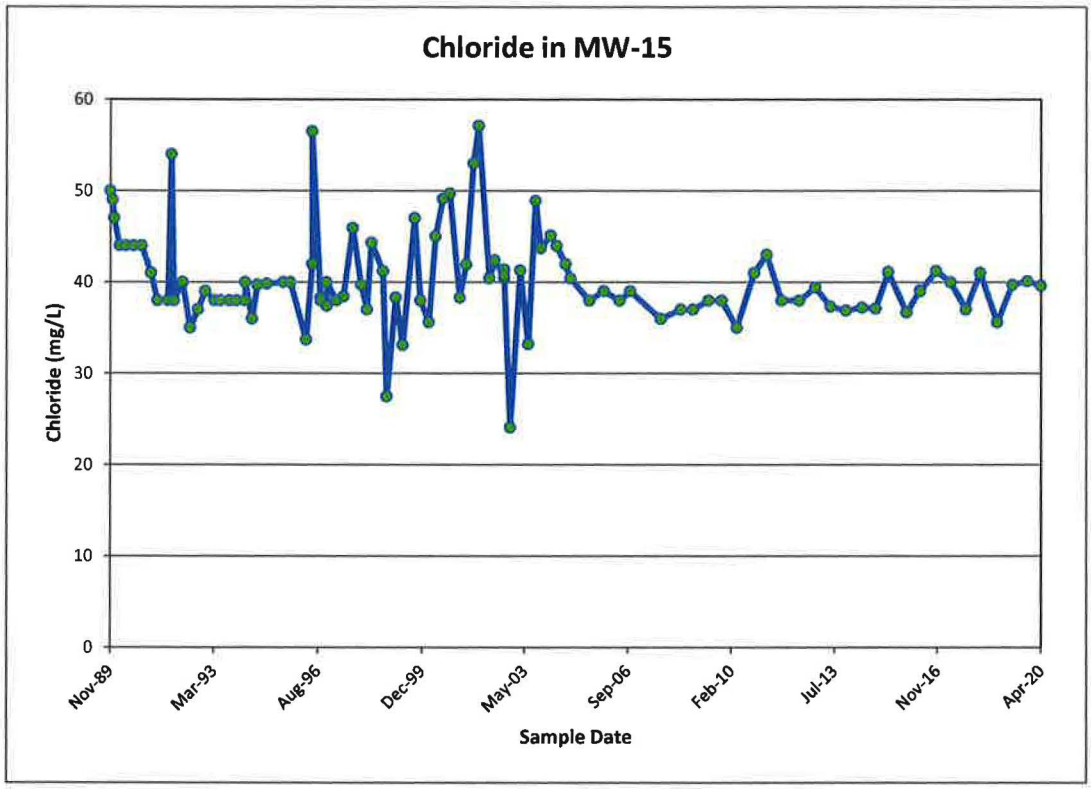


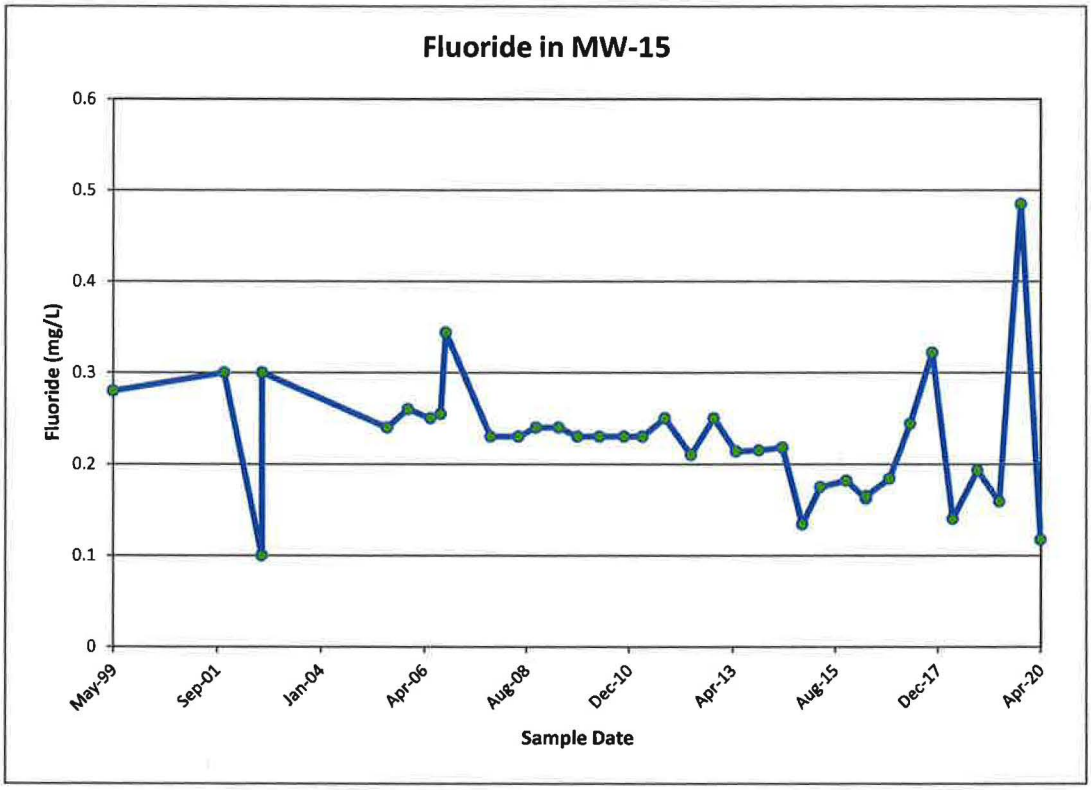


Detected Values

Non-Detected Values

Time concentration plots for MW-15

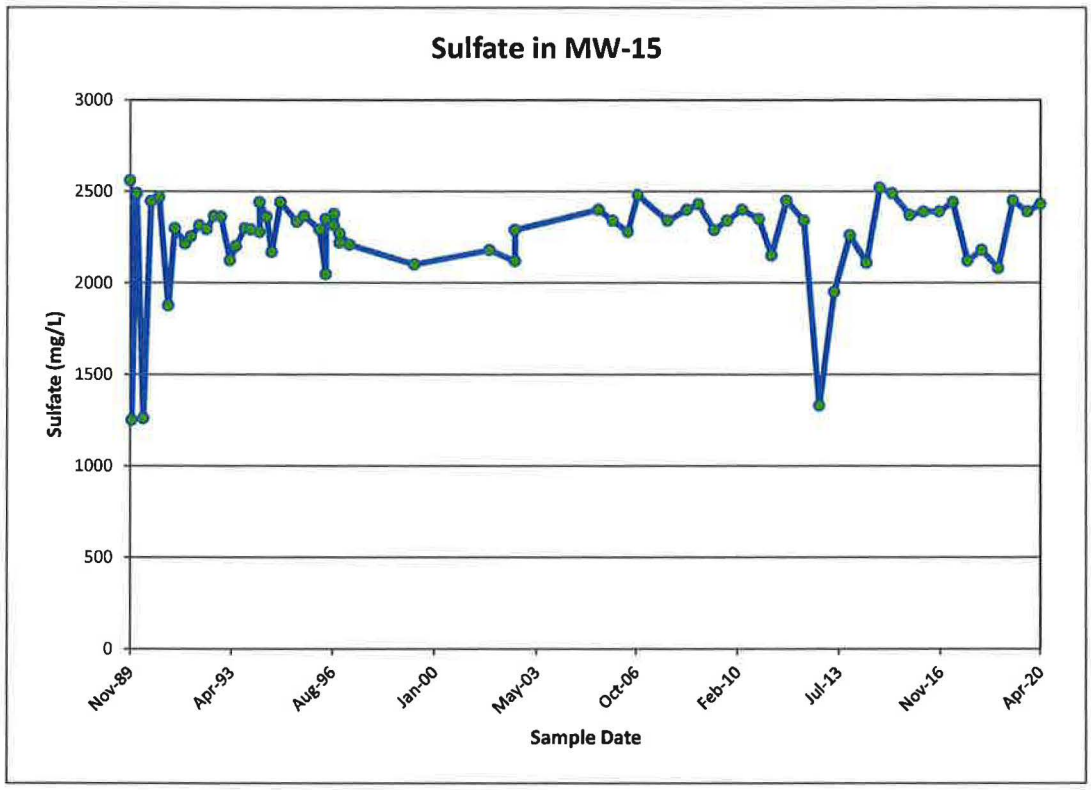


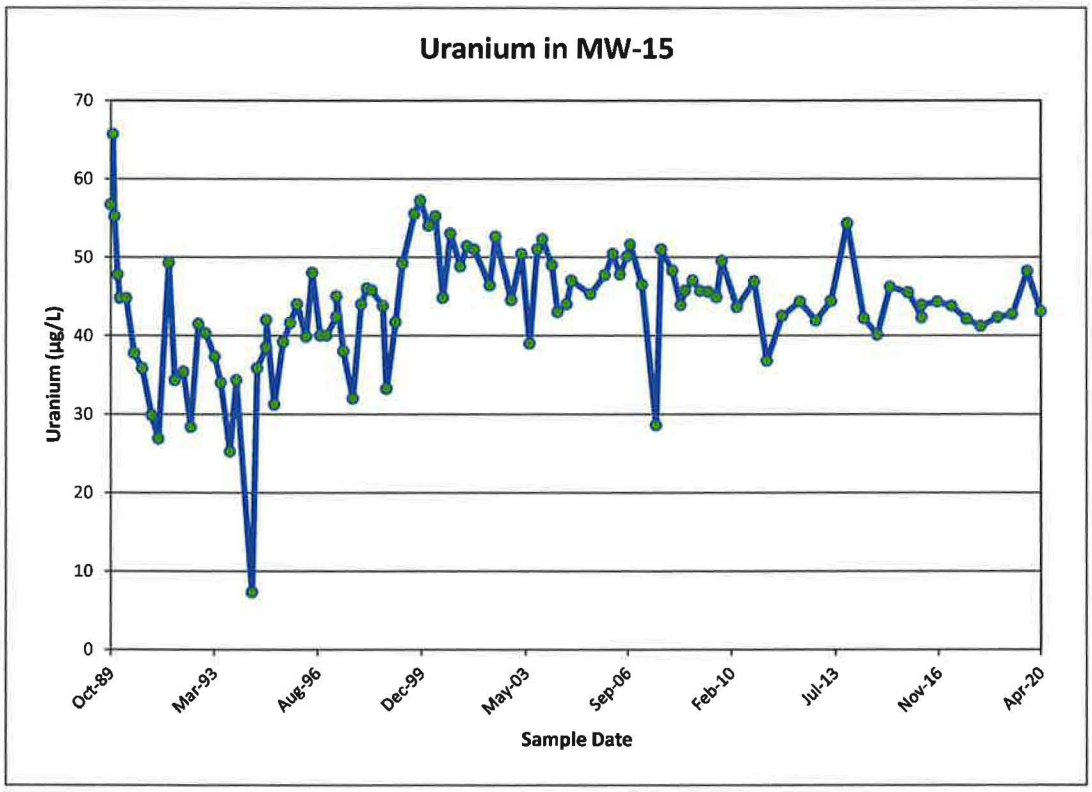


Detected Values

Non-Detected Values

Time concentration plots for MW-15

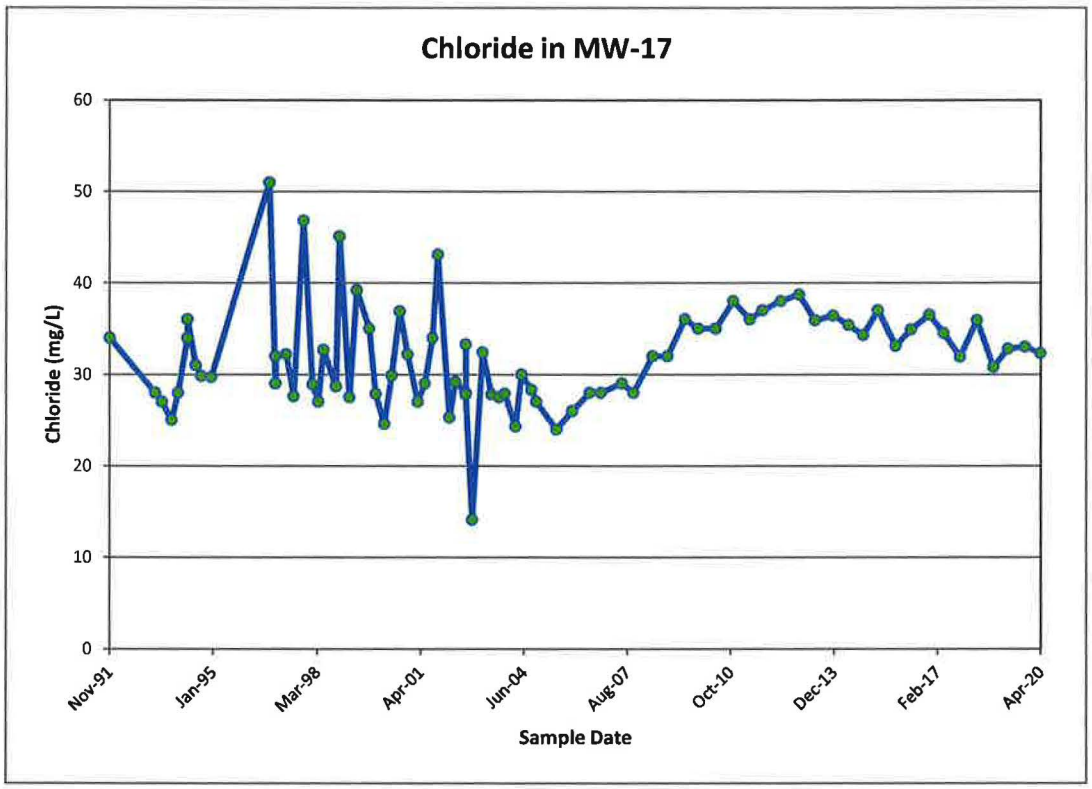


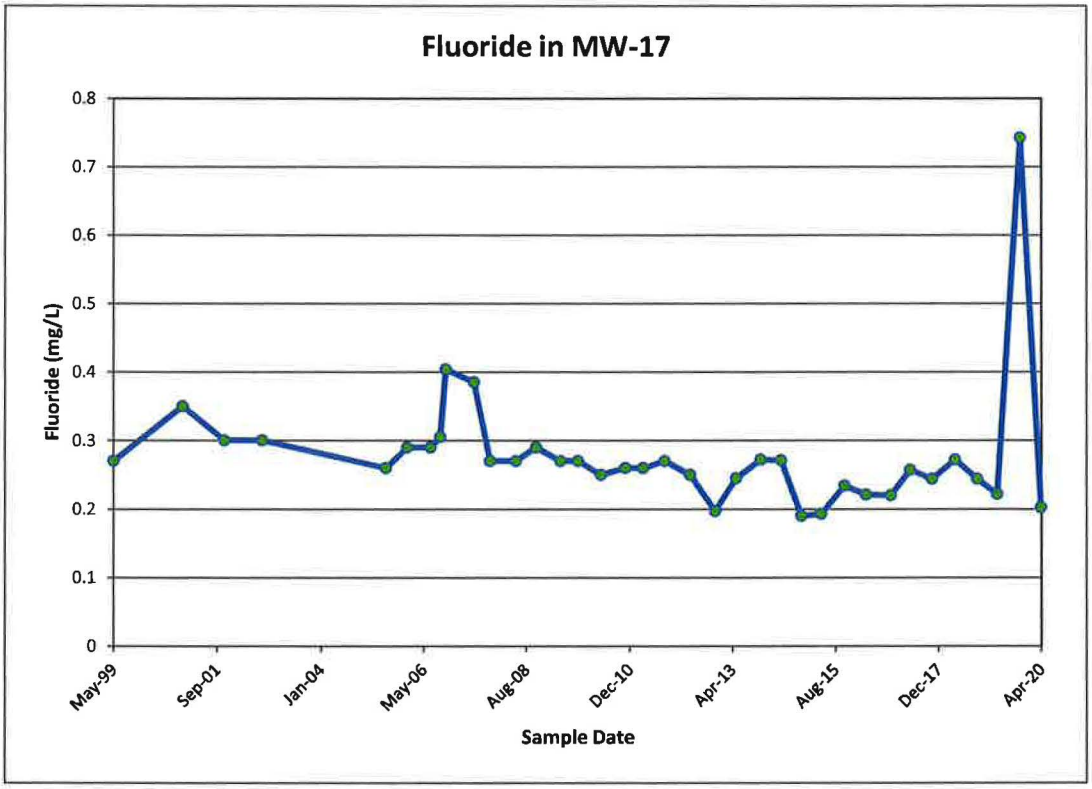


Detected Values

Non-Detected Values

Time concentration plots for MW-17

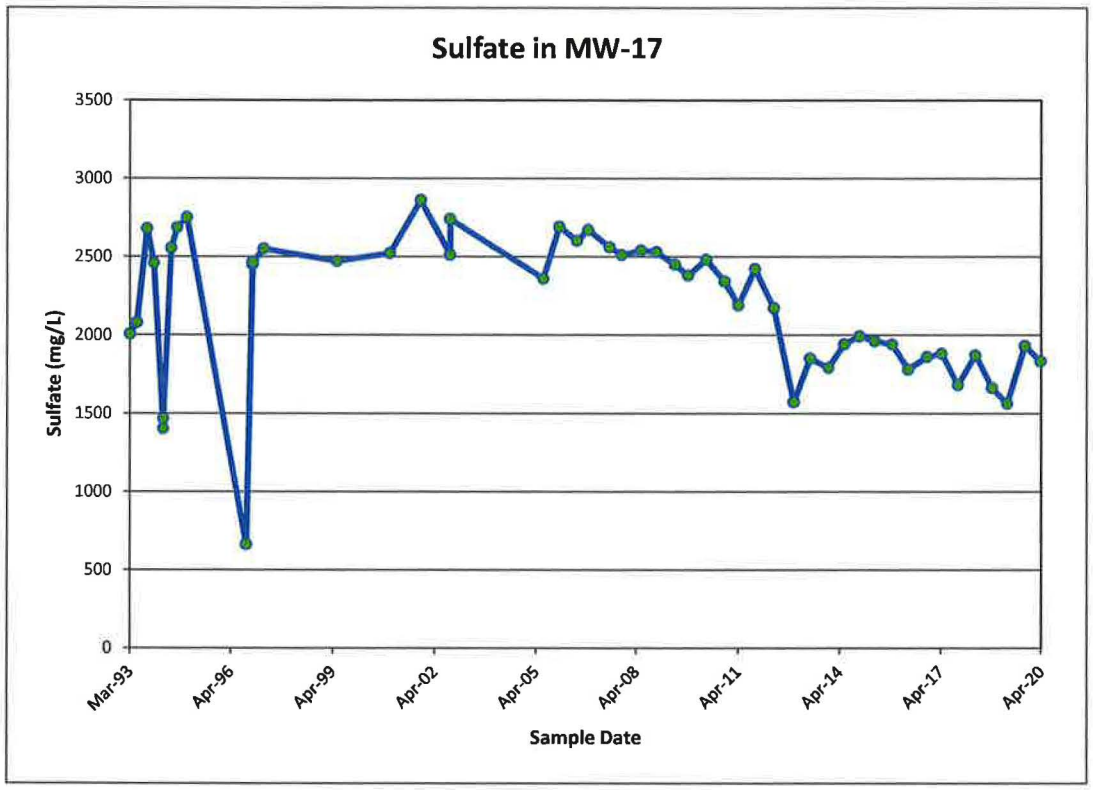


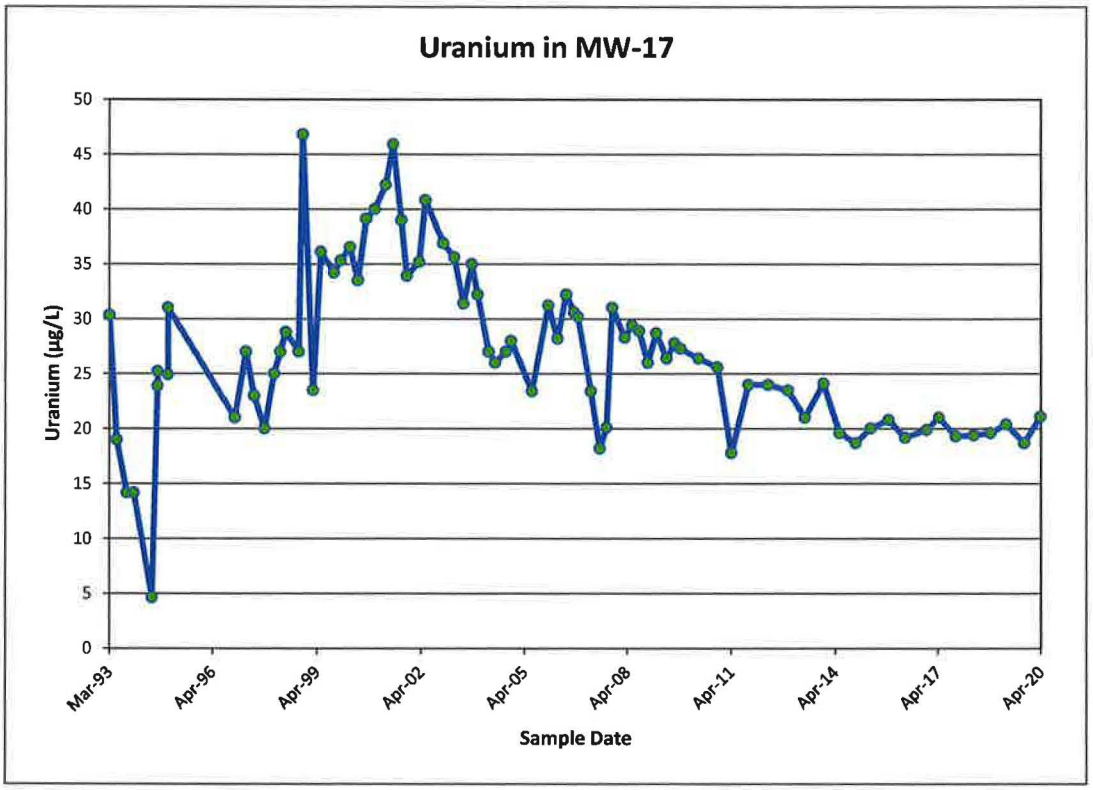


Detected Values

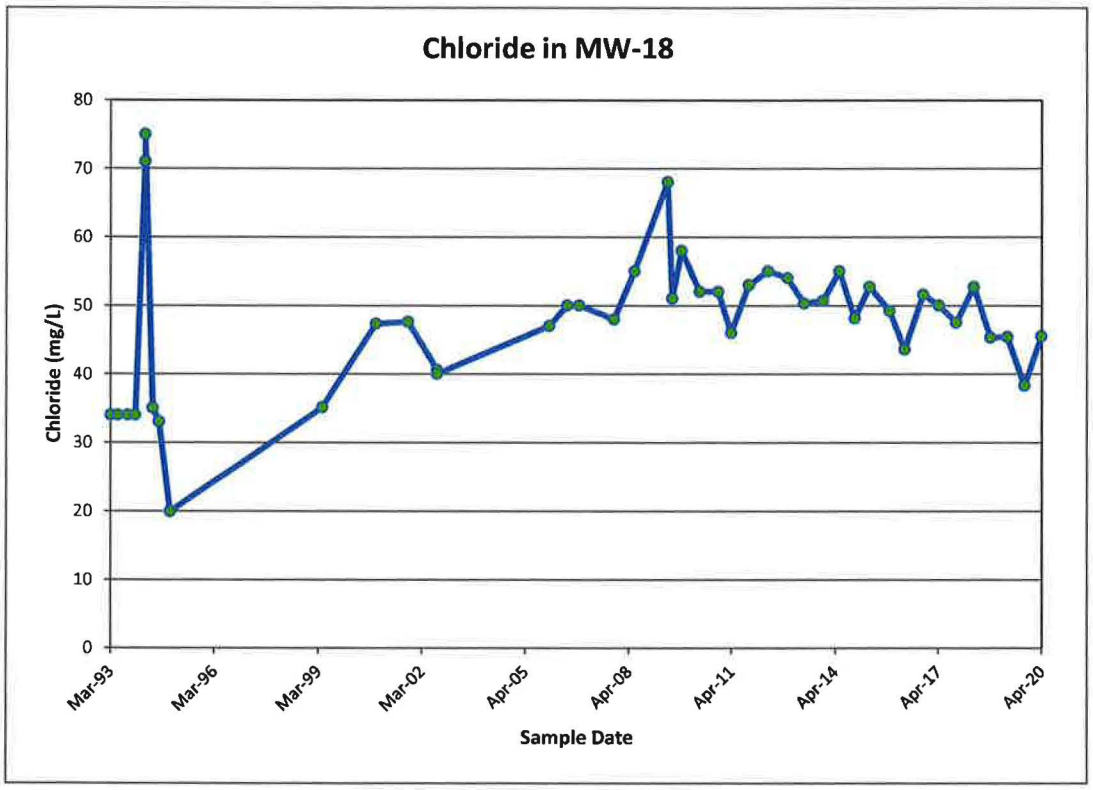
Non-Detected Values

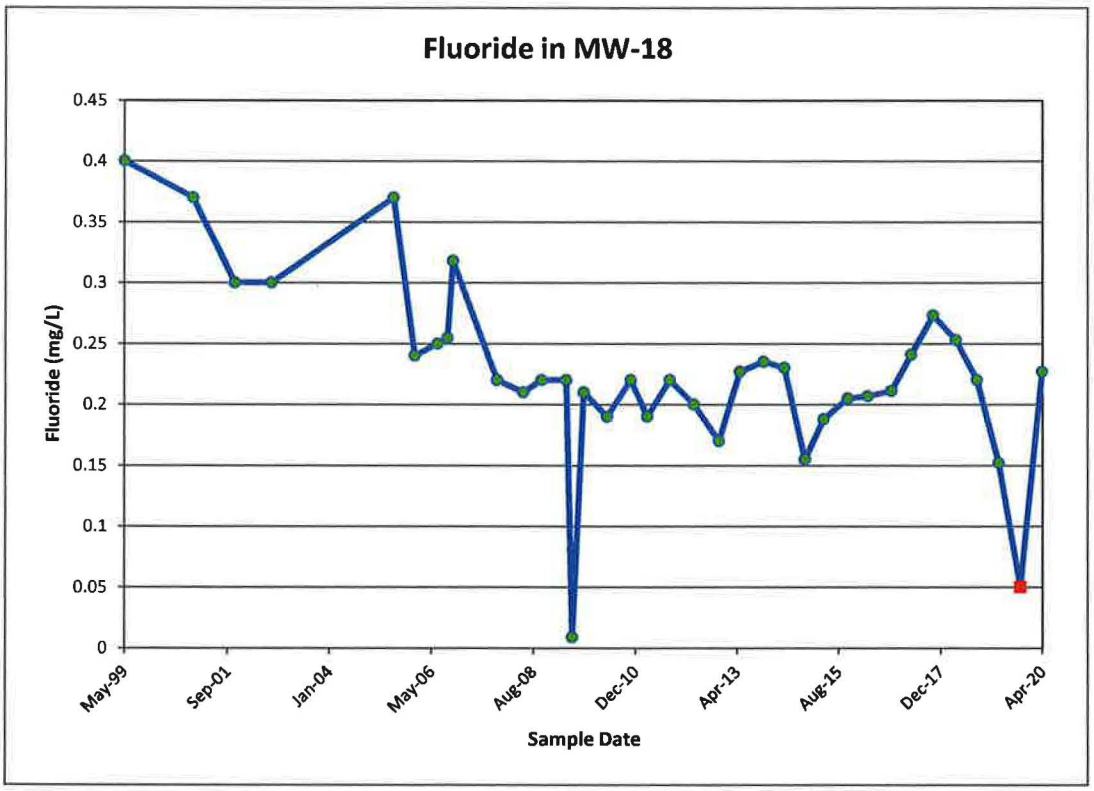
Time concentration plots for MW-17





Time concentration plots for MW-18

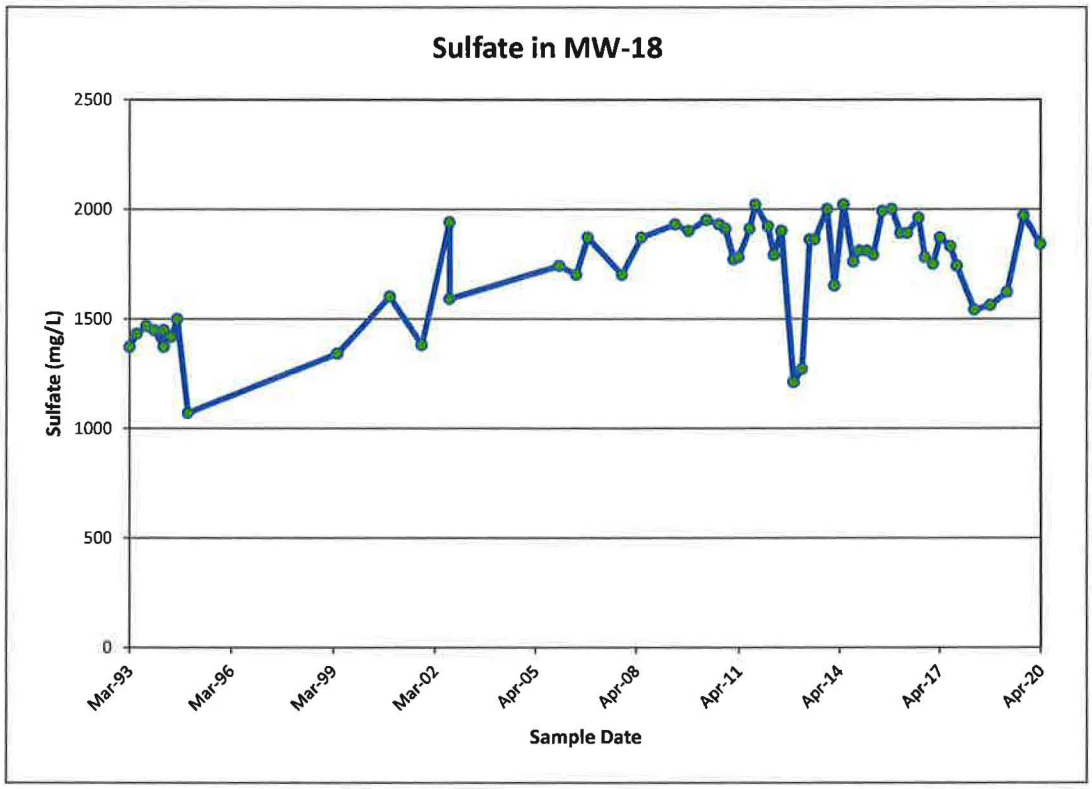


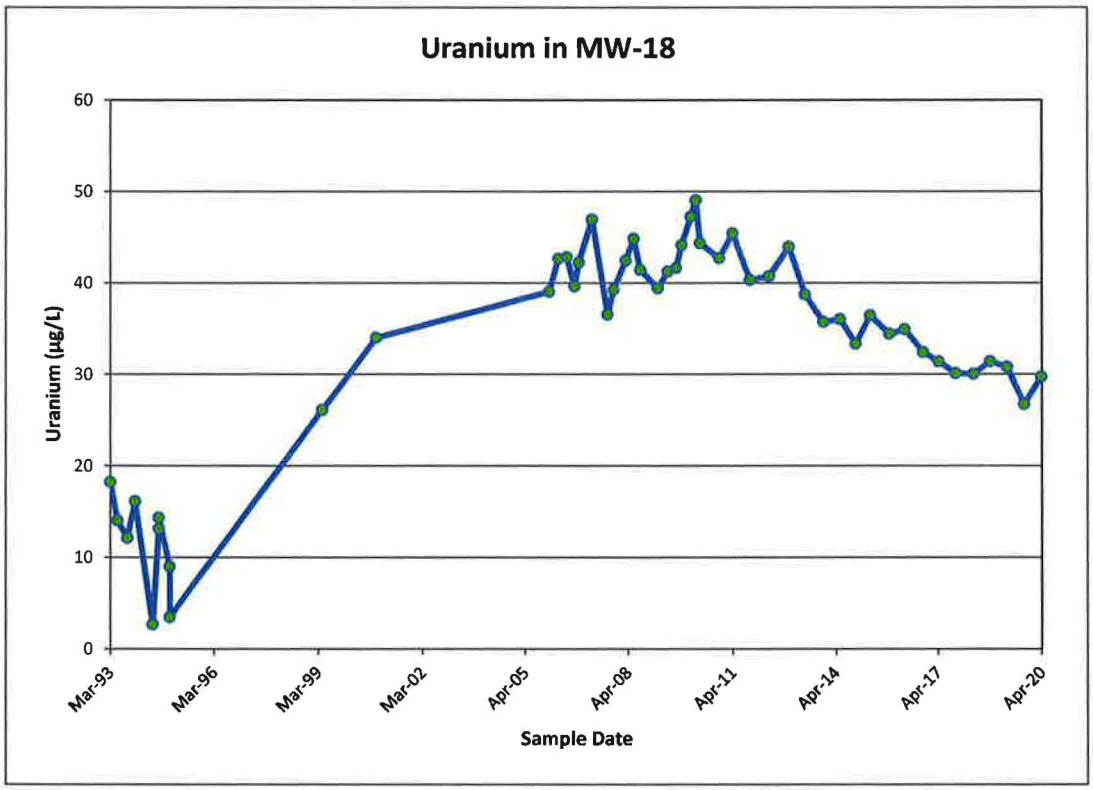


Detected Values

Non-Detected Values

Time concentration plots for MW-18

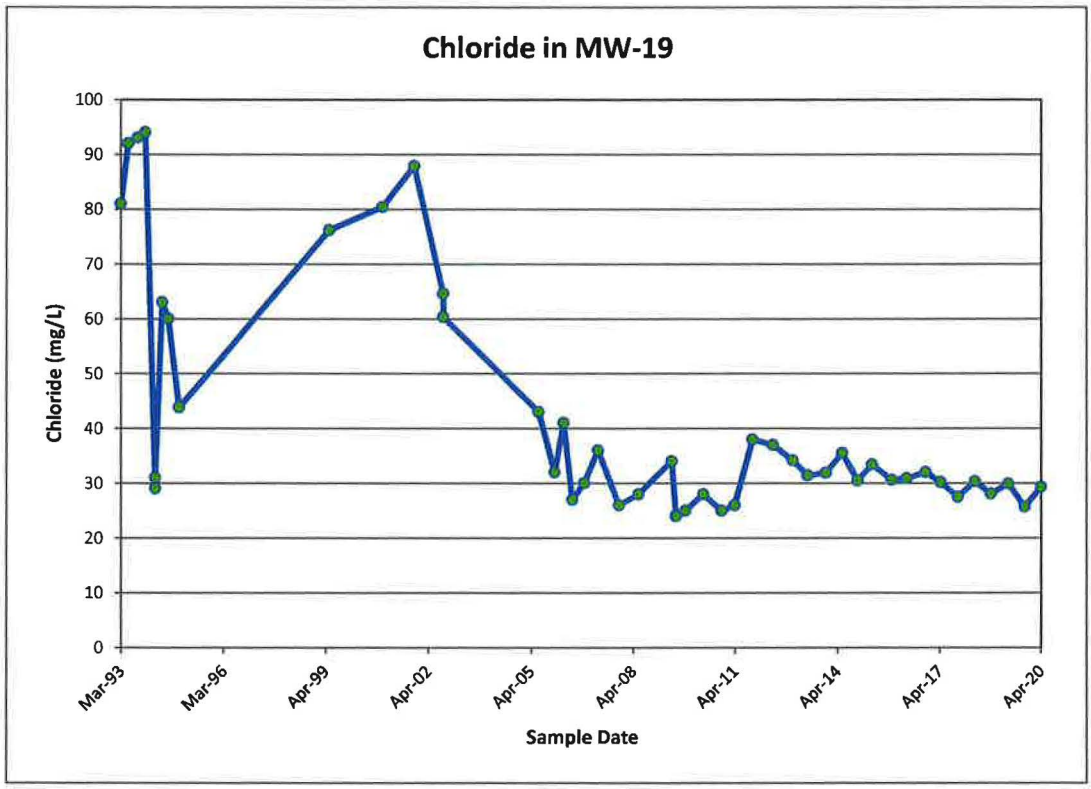


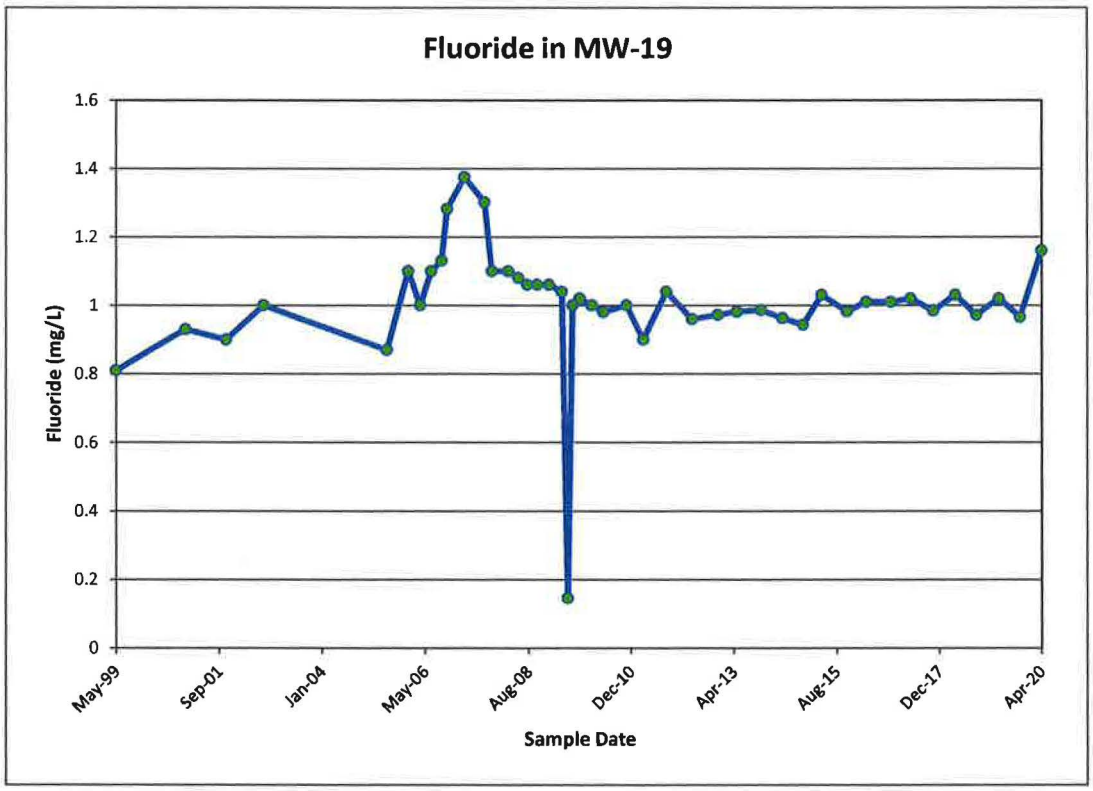


Detected Values

Non-Detected Values

Time concentration plots for MW-19

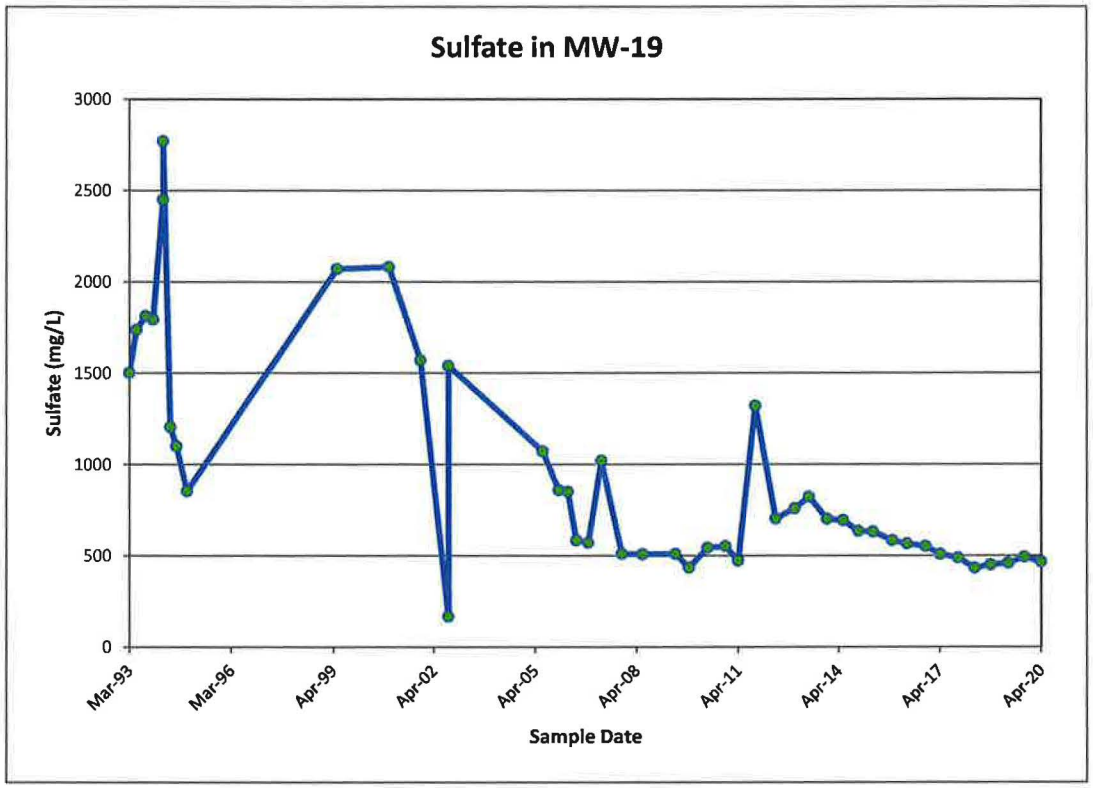


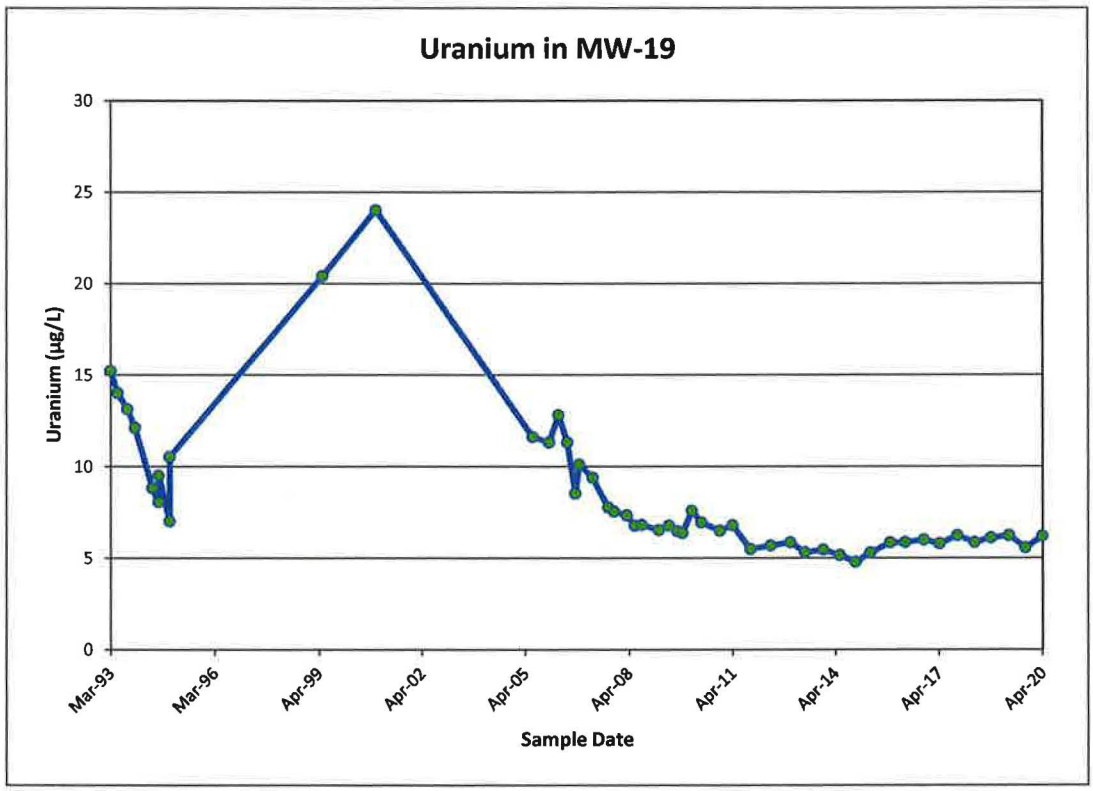


Detected Values

Non-Detected Values

Time concentration plots for MW-19

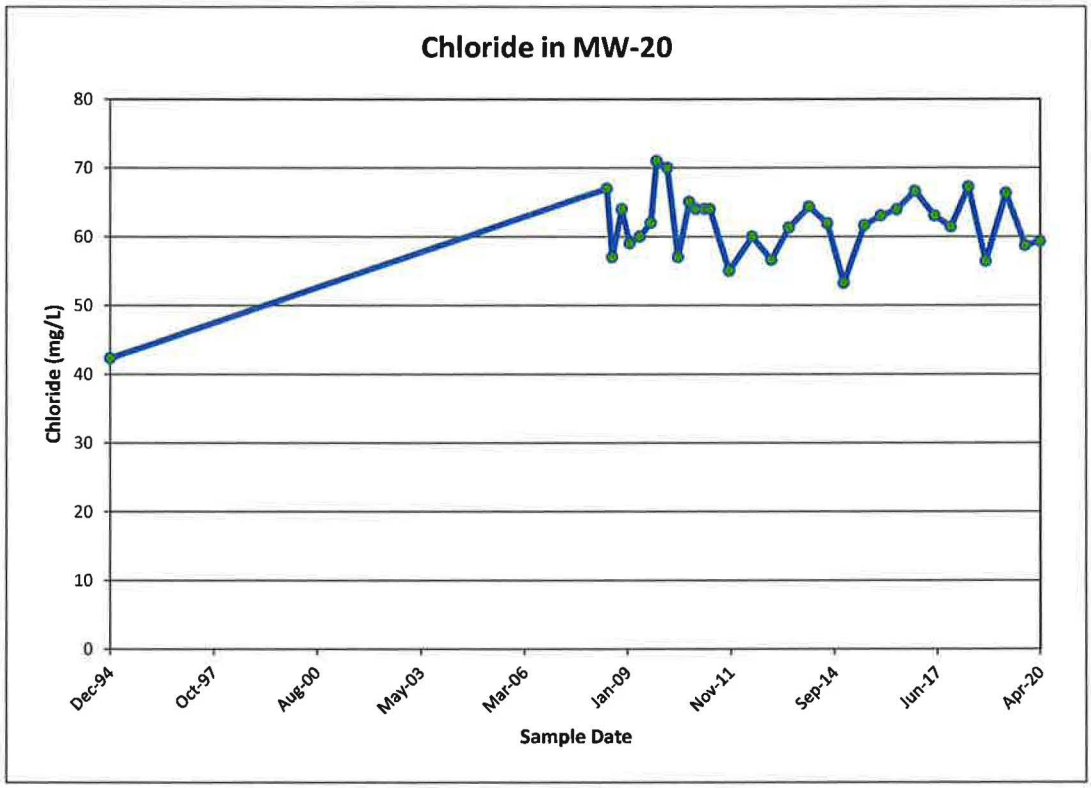


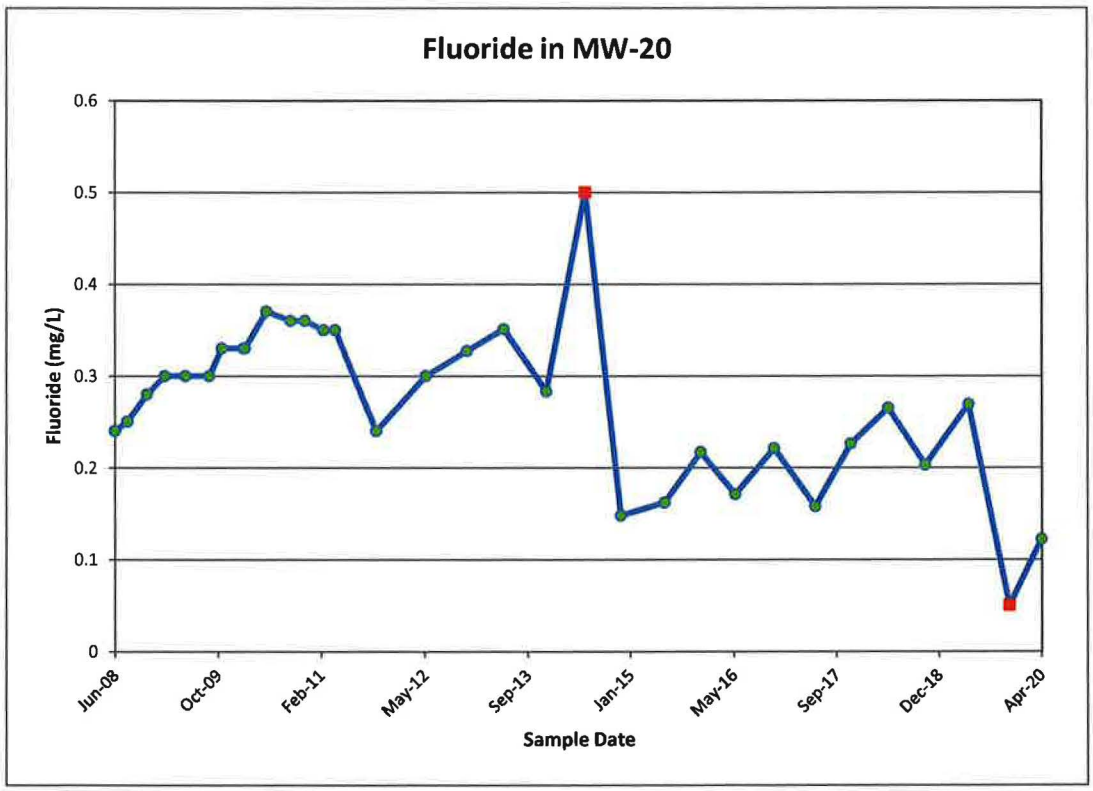


Detected Values

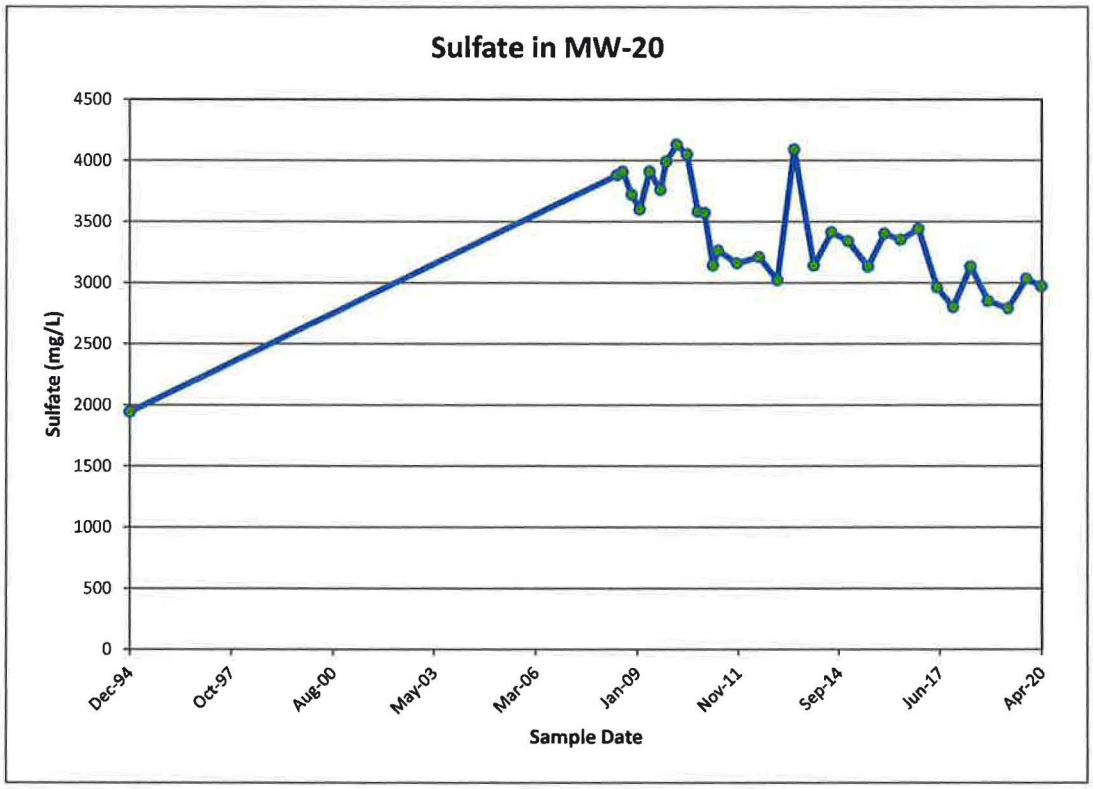
Non-Detected Values

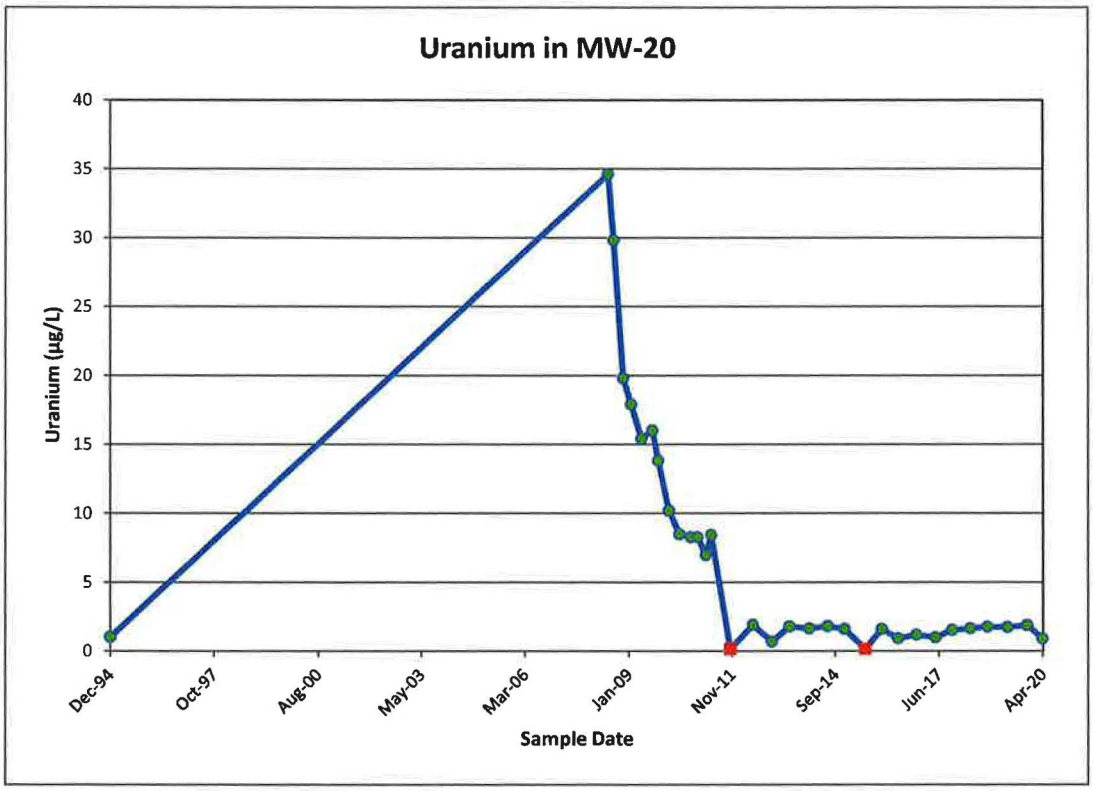
Time concentration plots for MW-20





Time concentration plots for MW-20

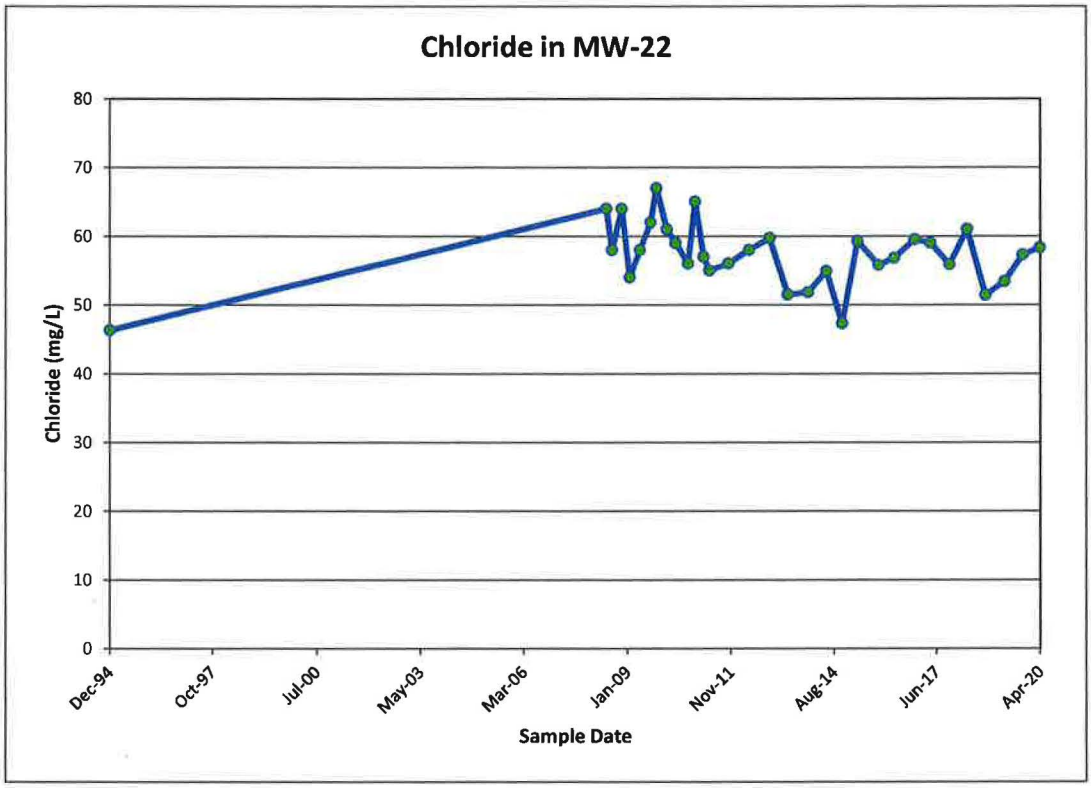


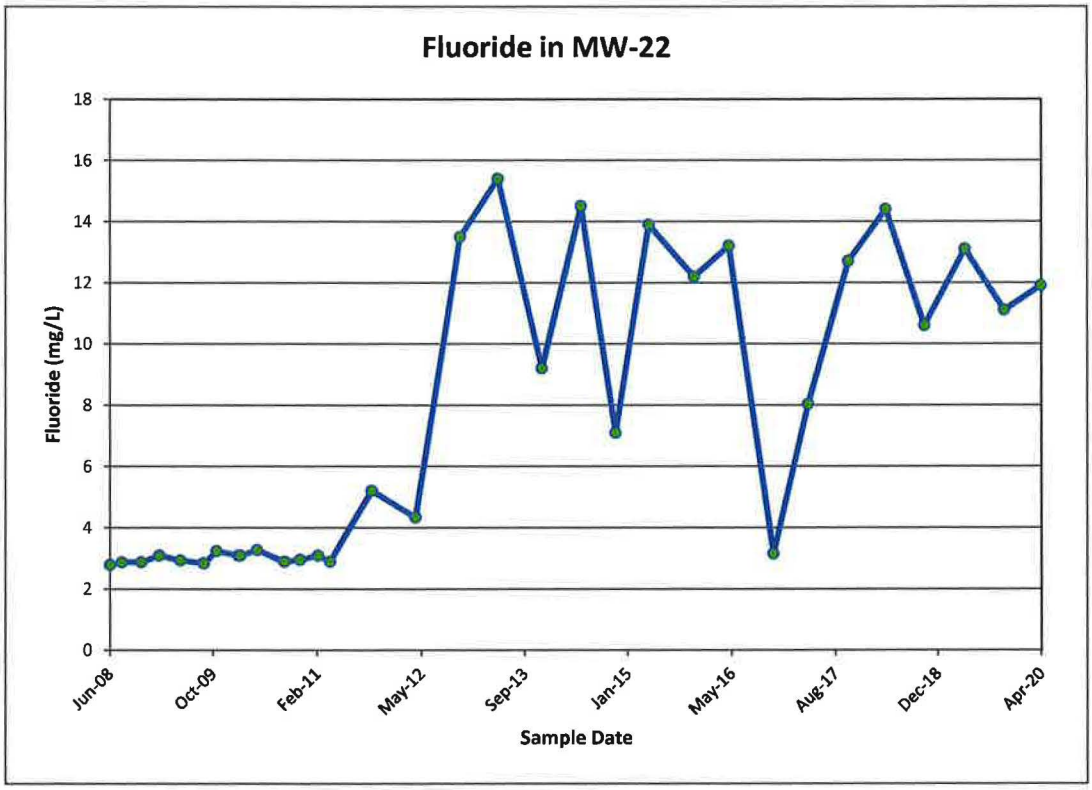


Detected Values

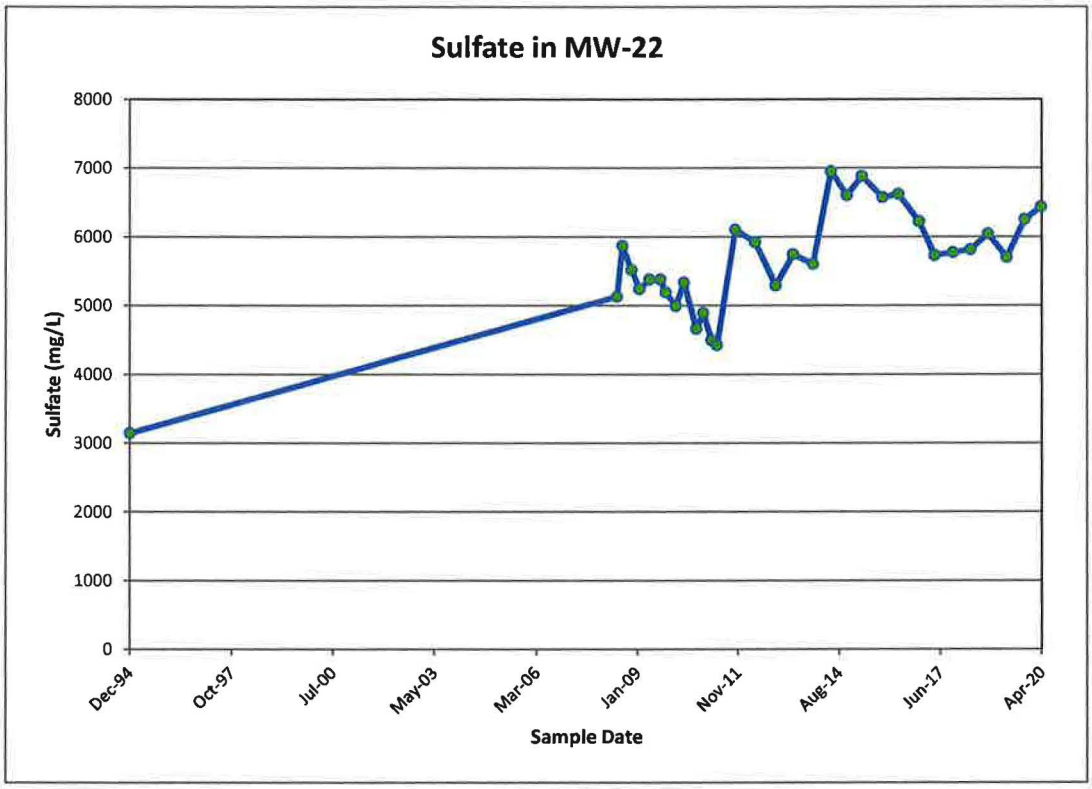
Non-Detected Values

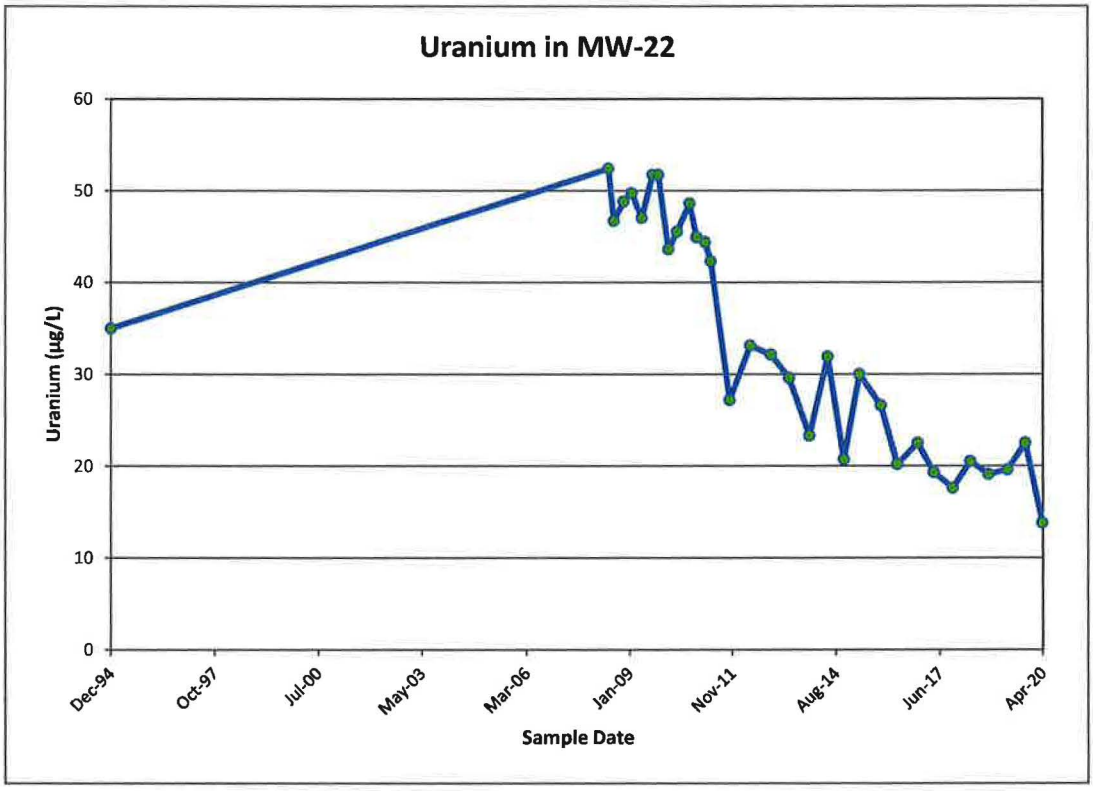
Time concentration plots for MW-22





Time concentration plots for MW-22

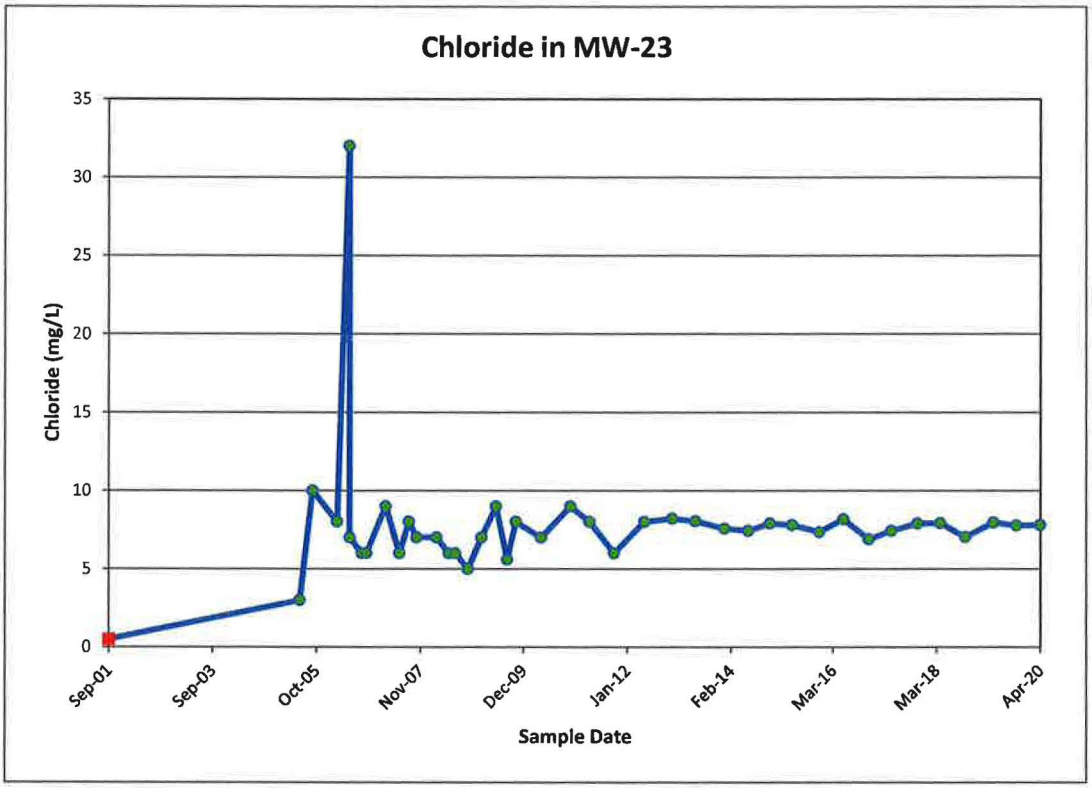


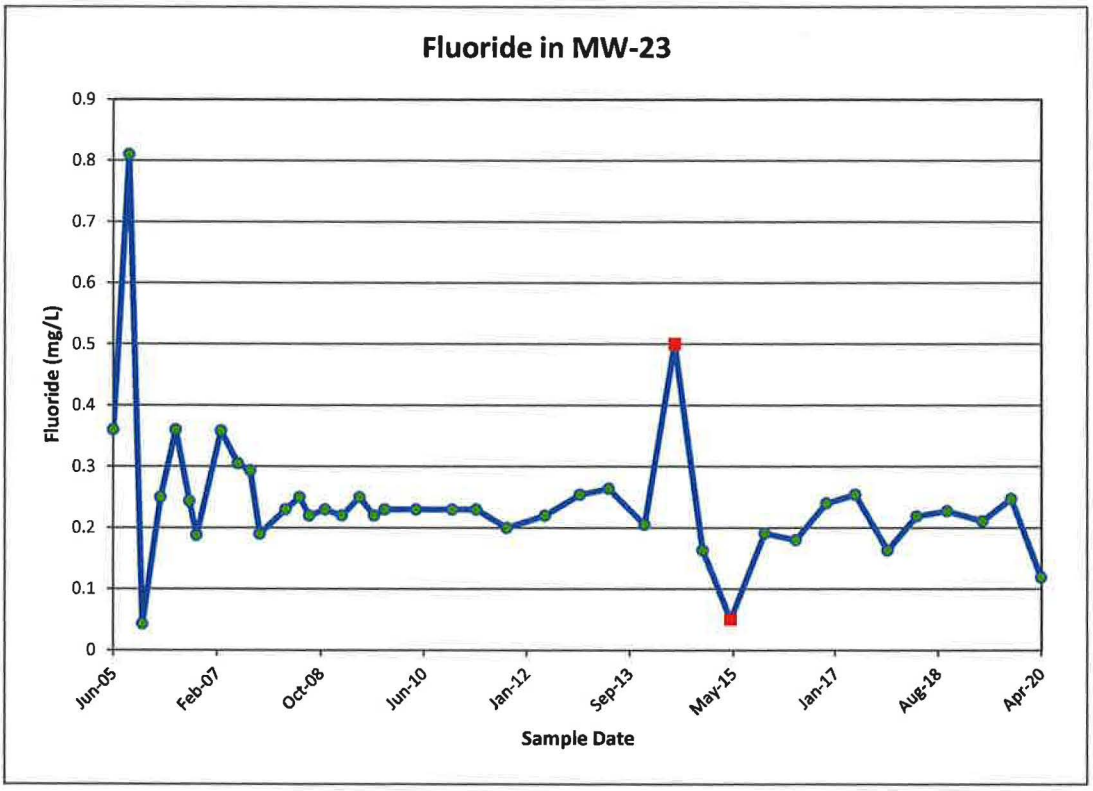


Detected Values

Non-Detected Values

Time concentration plots for MW-23

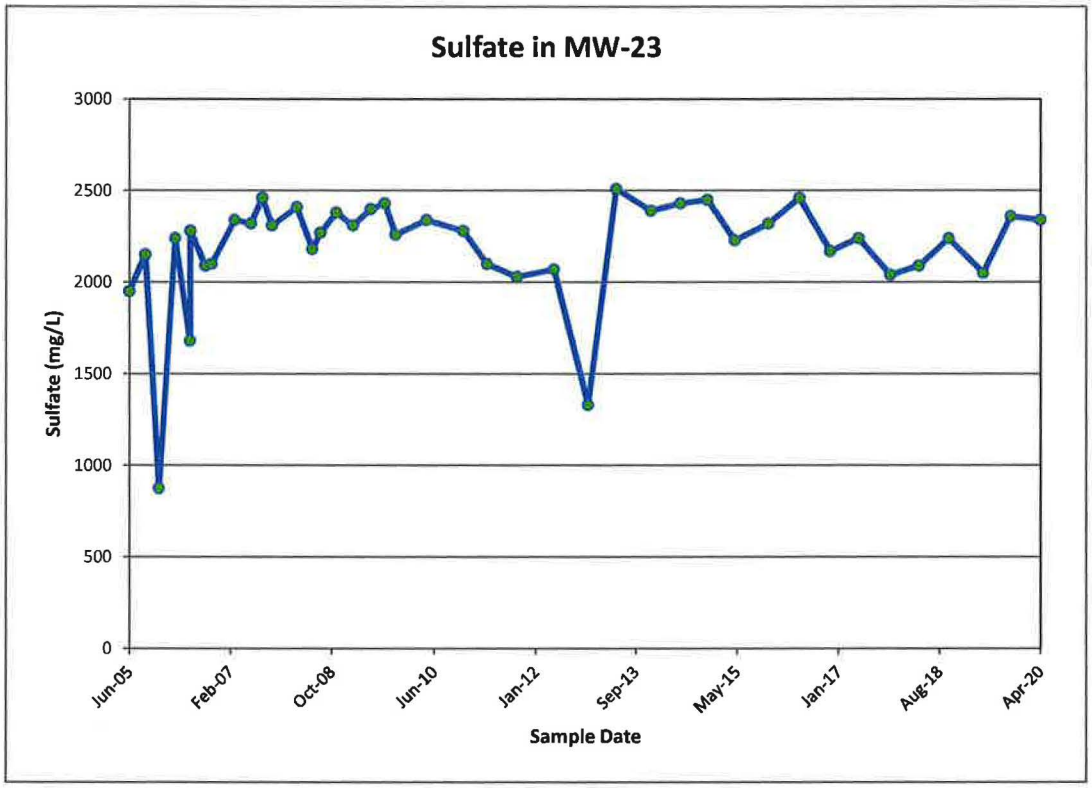


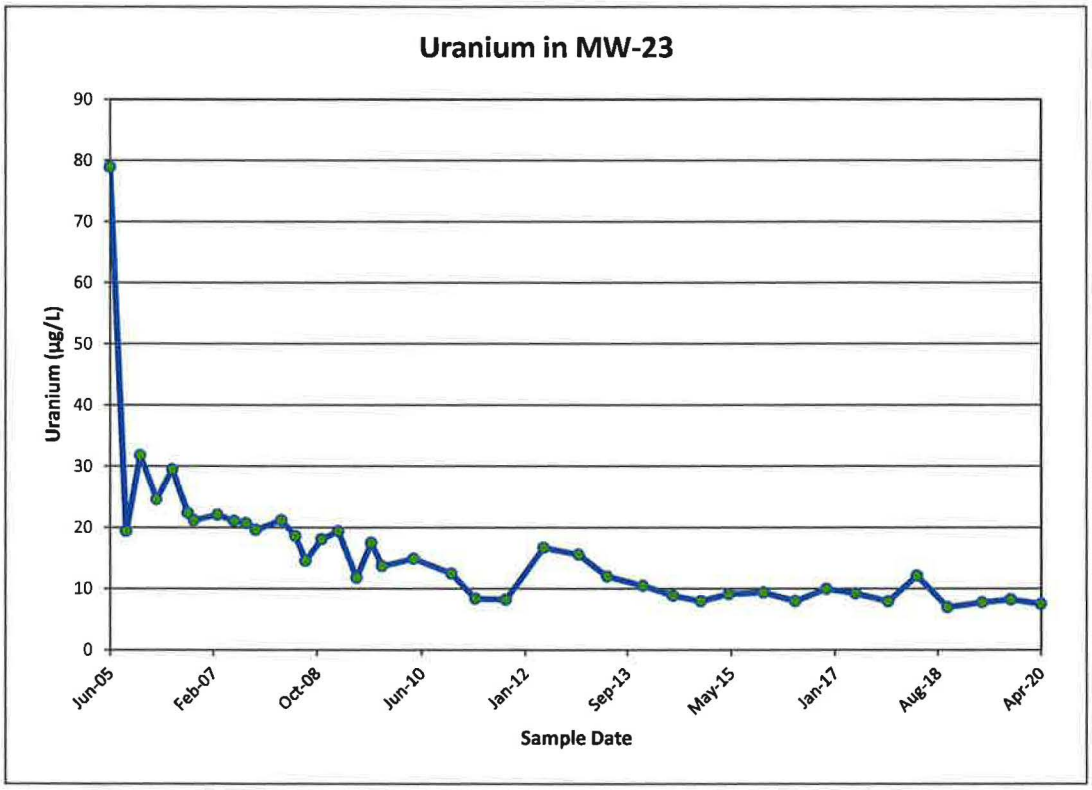


Detected Values

Non-Detected Values

Time concentration plots for MW-23

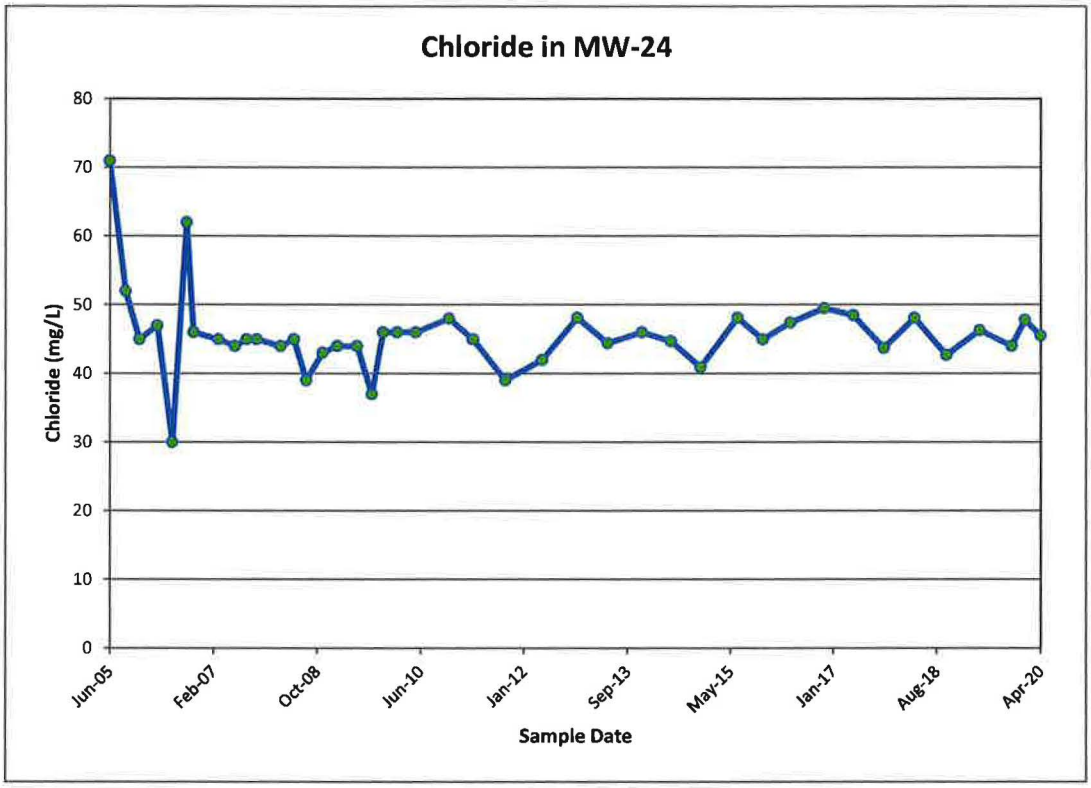


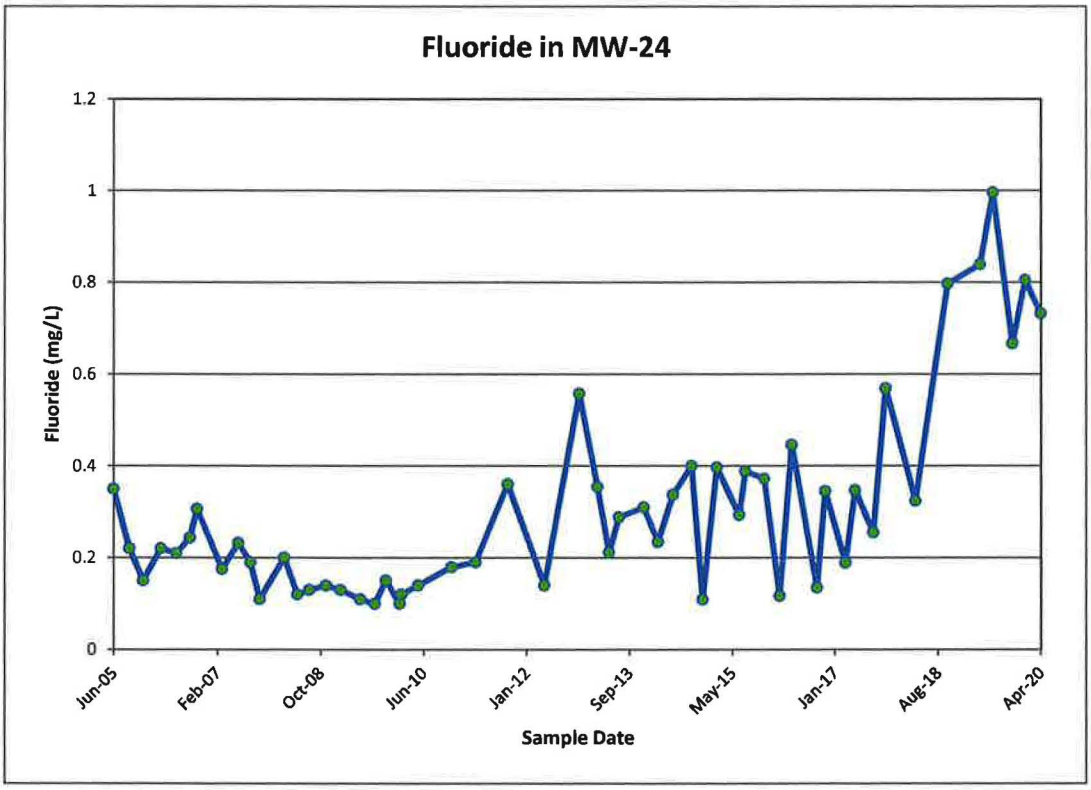


Detected Values

Non-Detected Values

Time concentration plots for MW-24

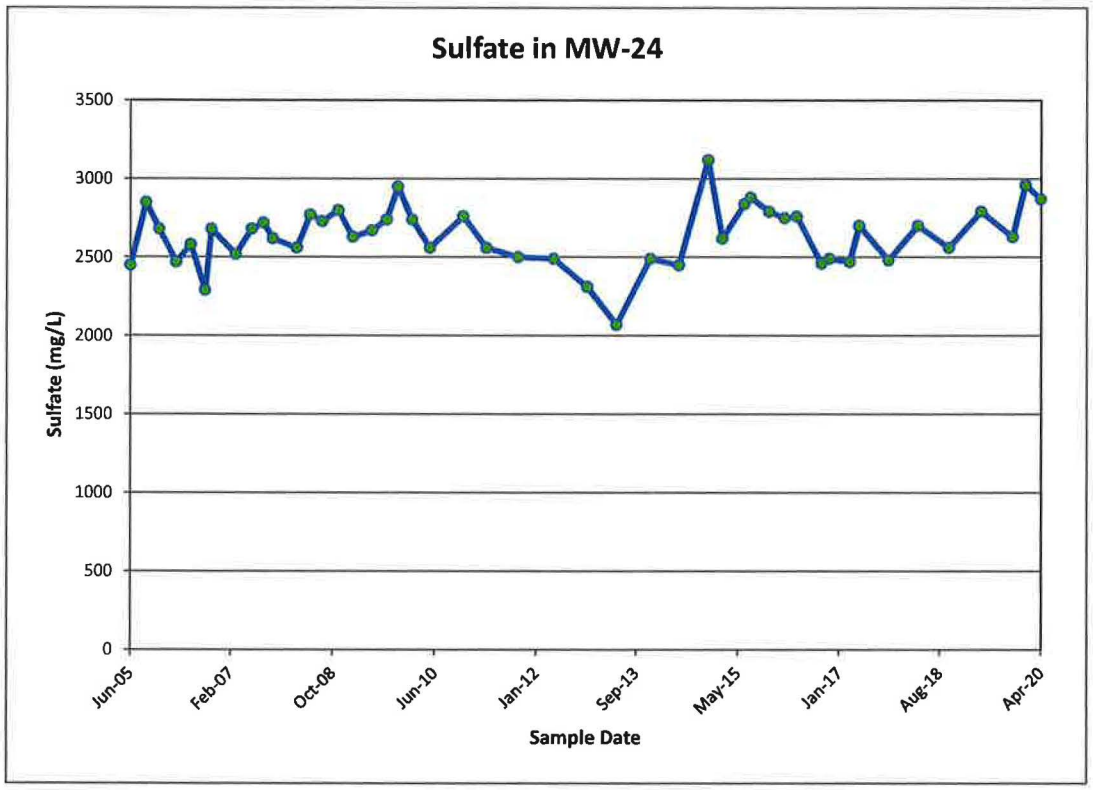


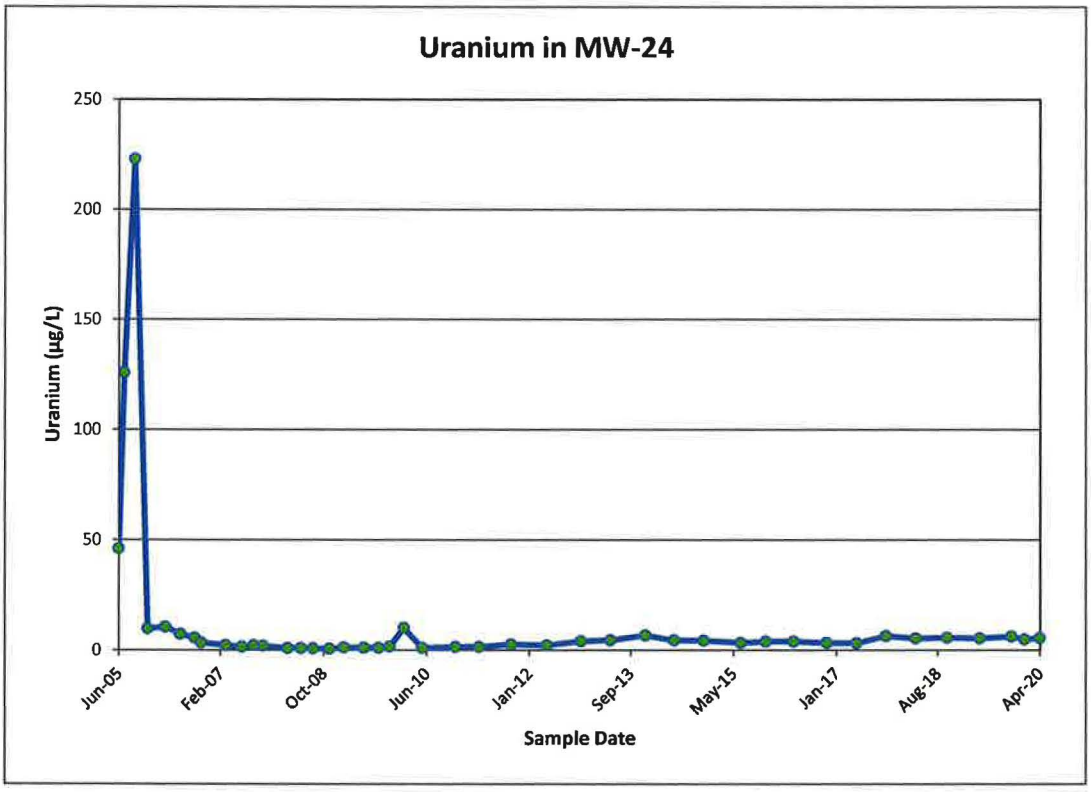


Detected Values

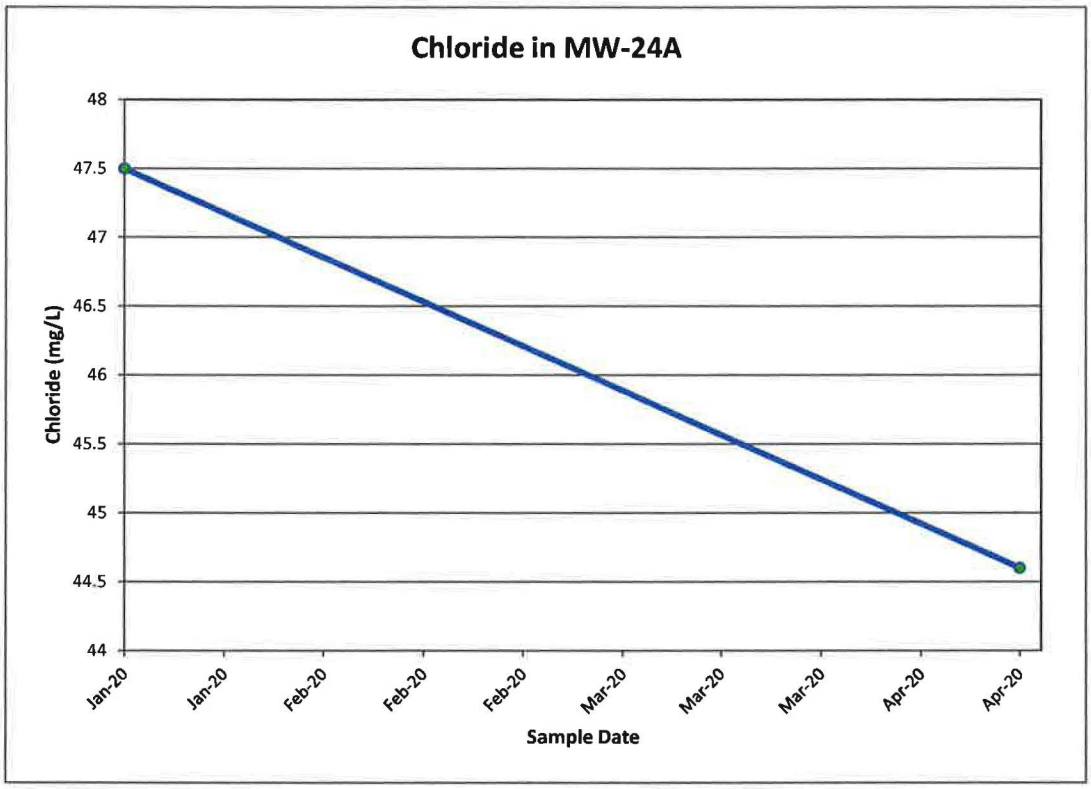
Non-Detected Values

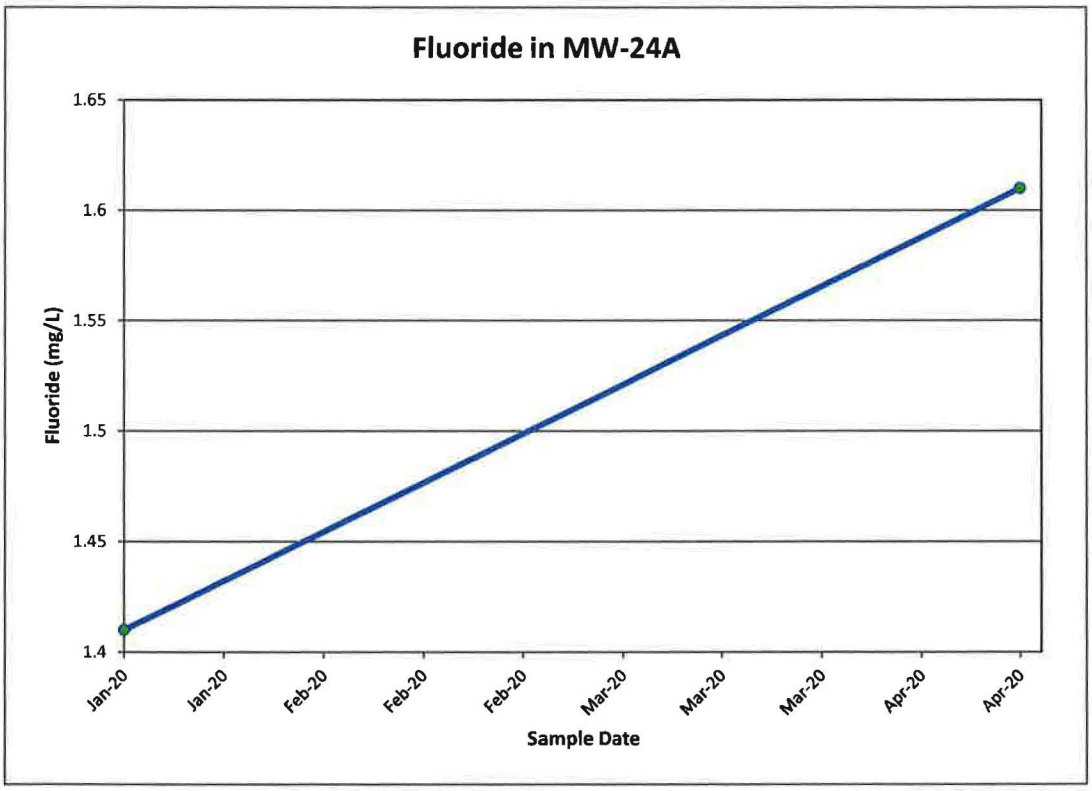
Time concentration plots for MW-24



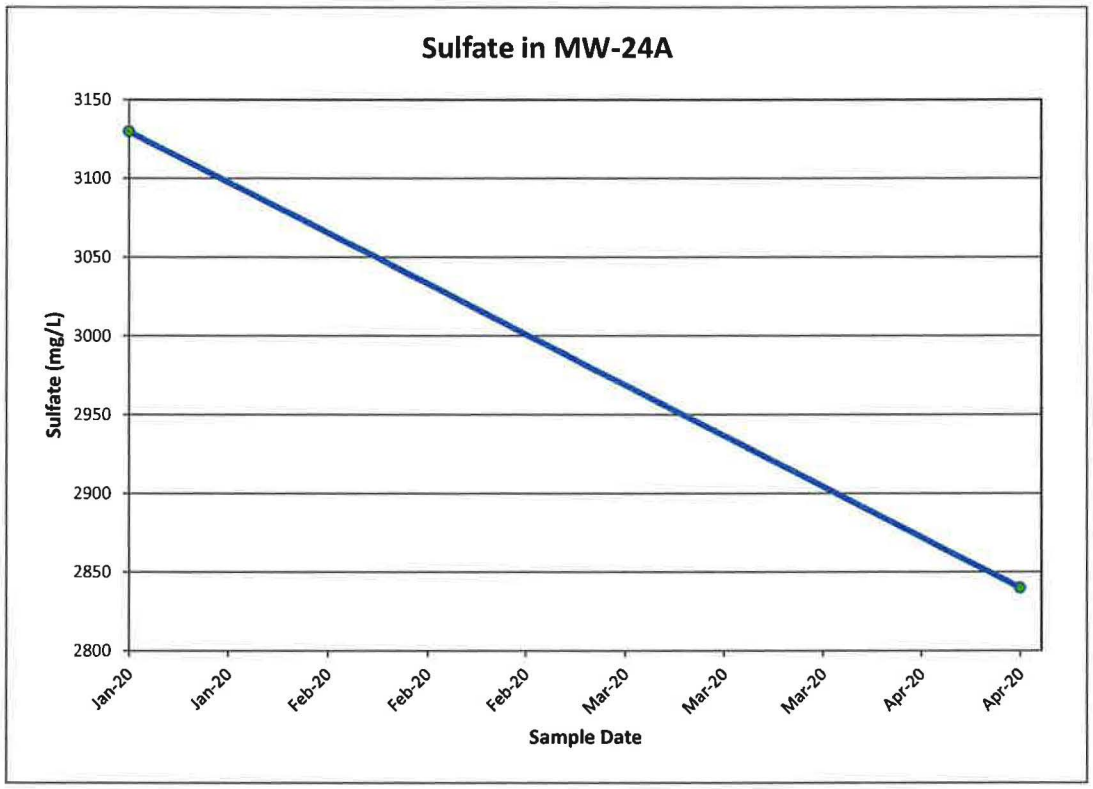


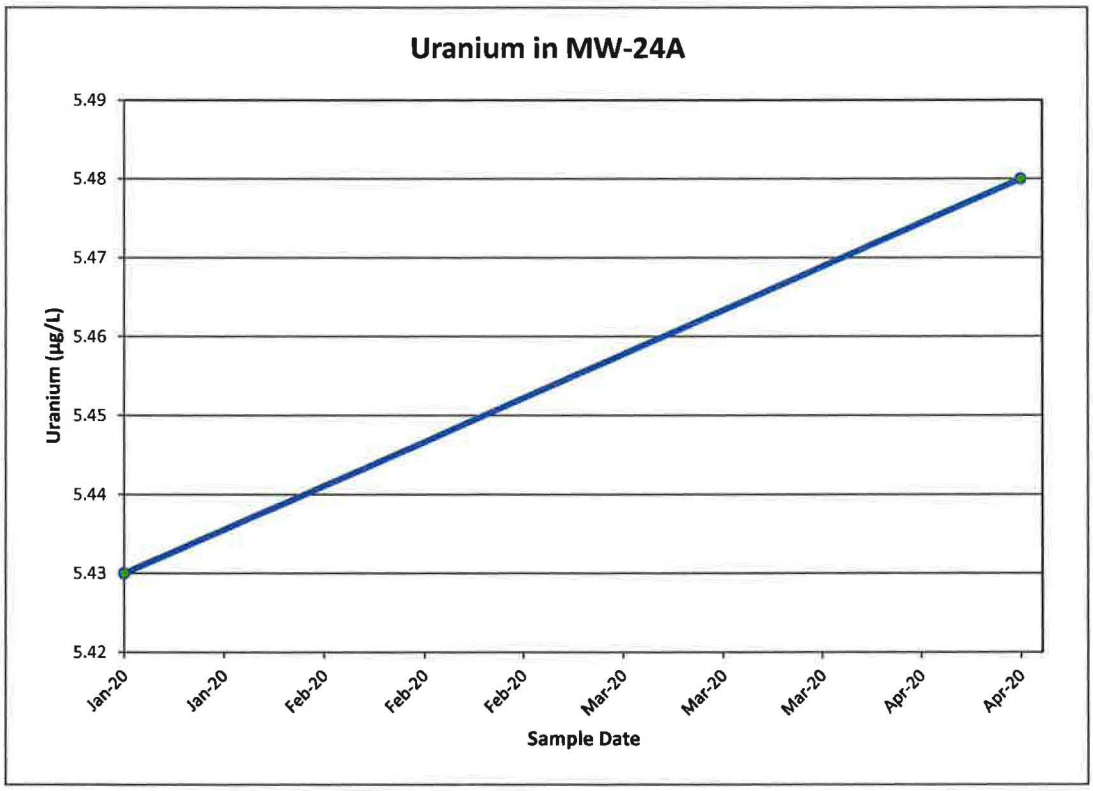
Time concentration plots for MW-24A





Time concentration plots for MW-24A

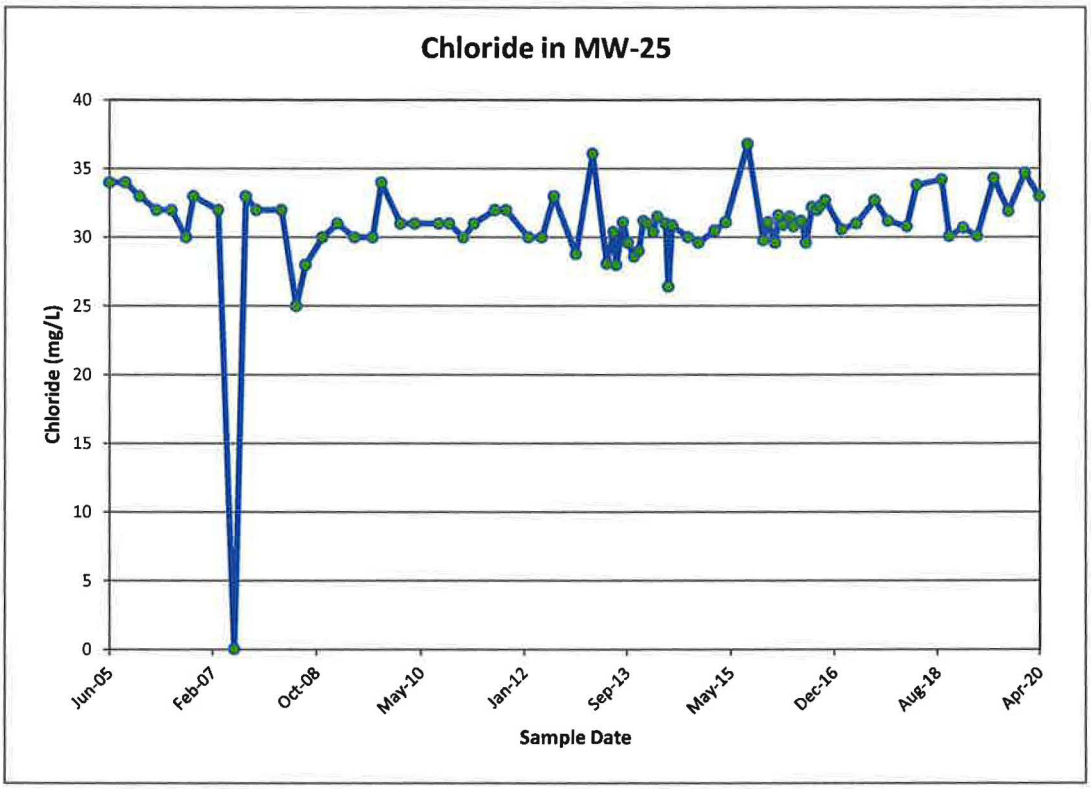


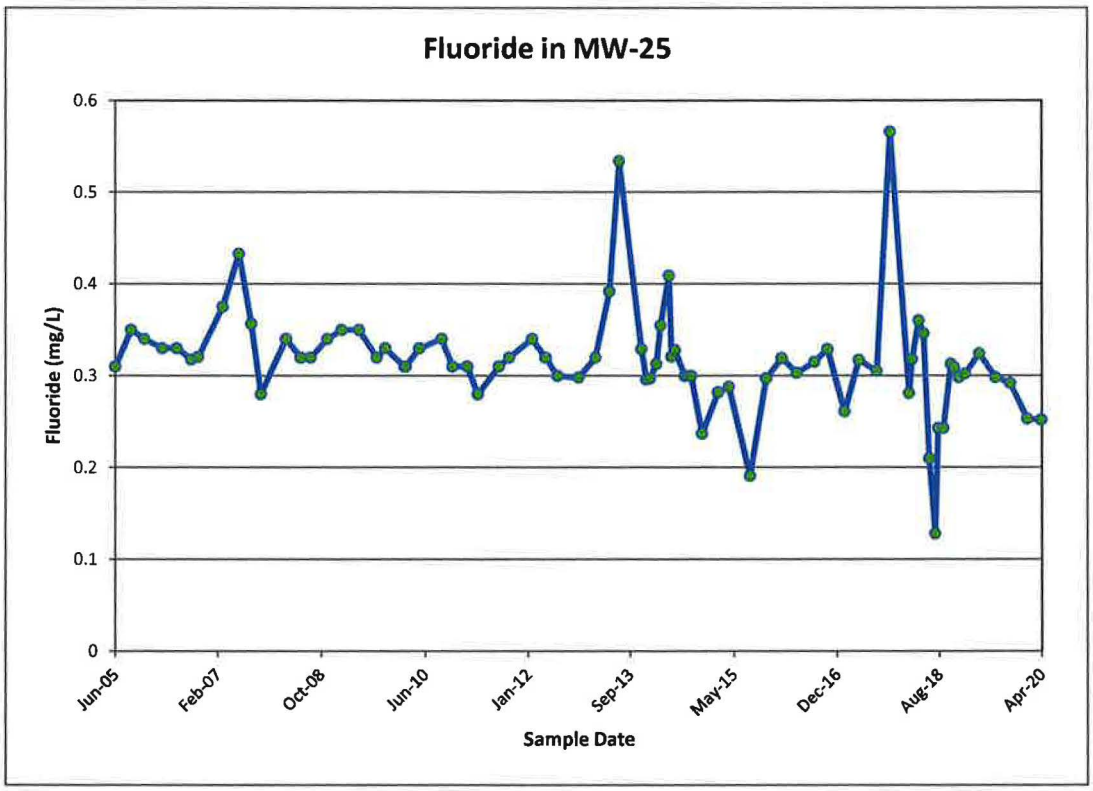


Detected Values

Non-Detected Values

Time concentration plots for MW-25

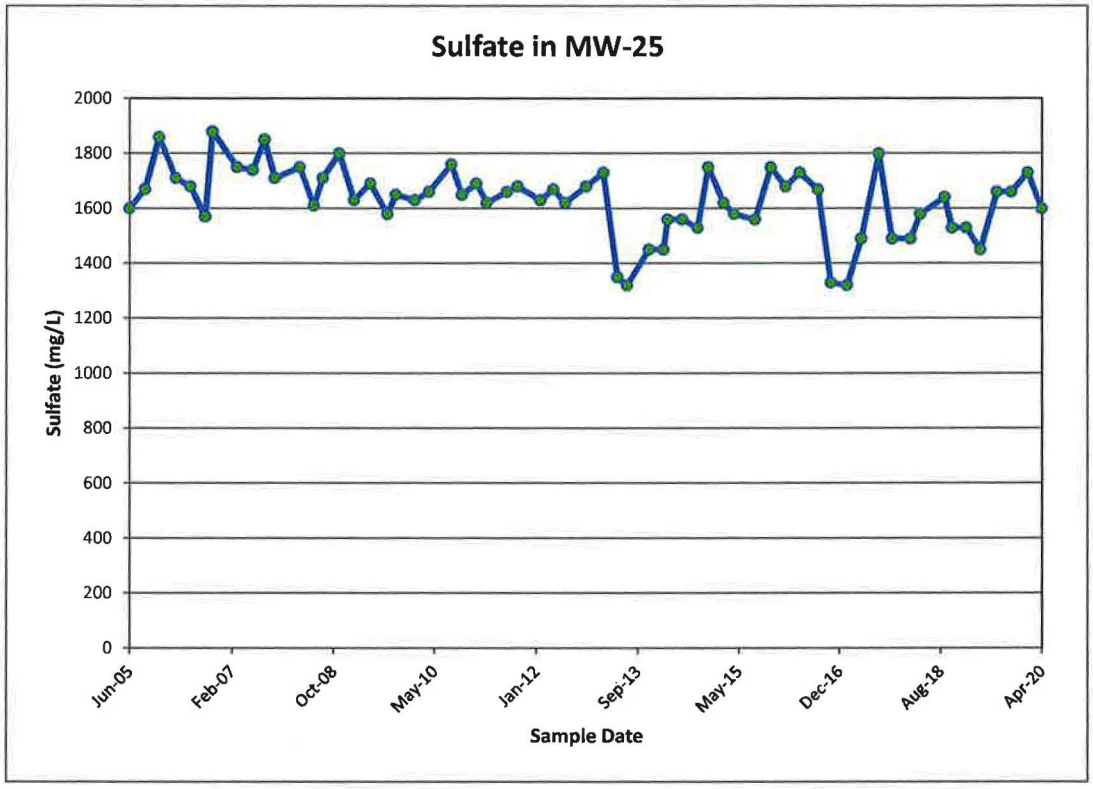


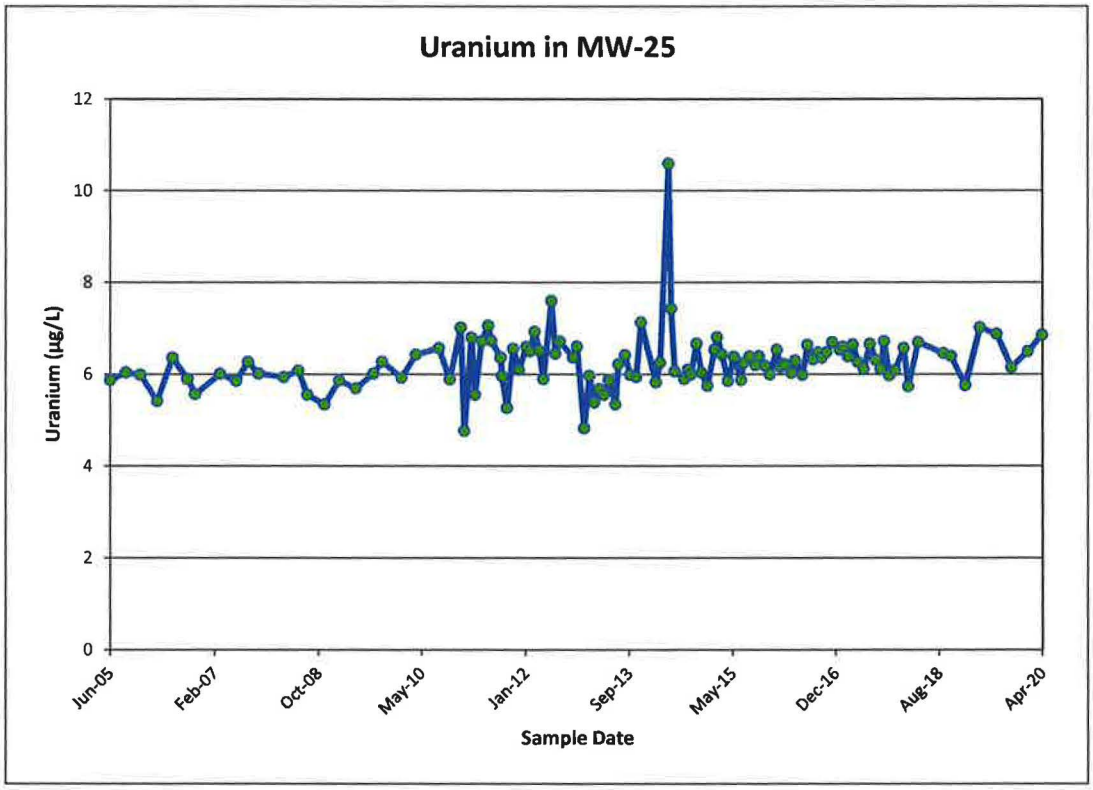


Detected Values

Non-Detected Values

Time concentration plots for MW-25

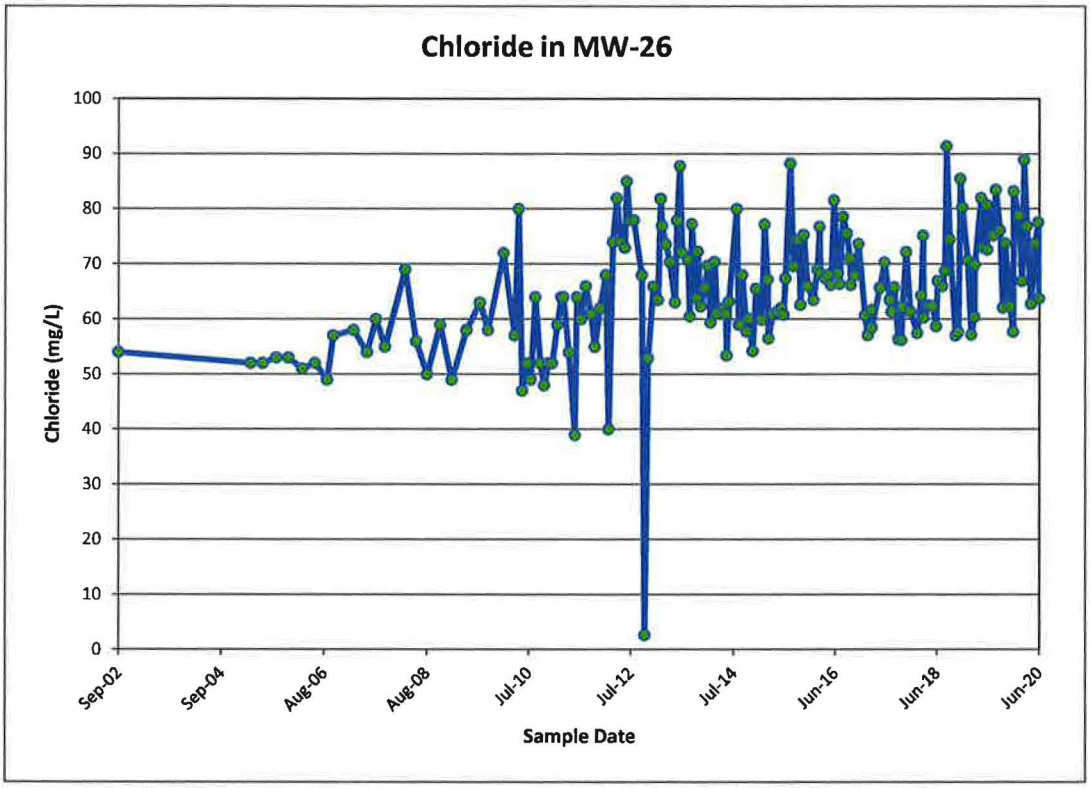


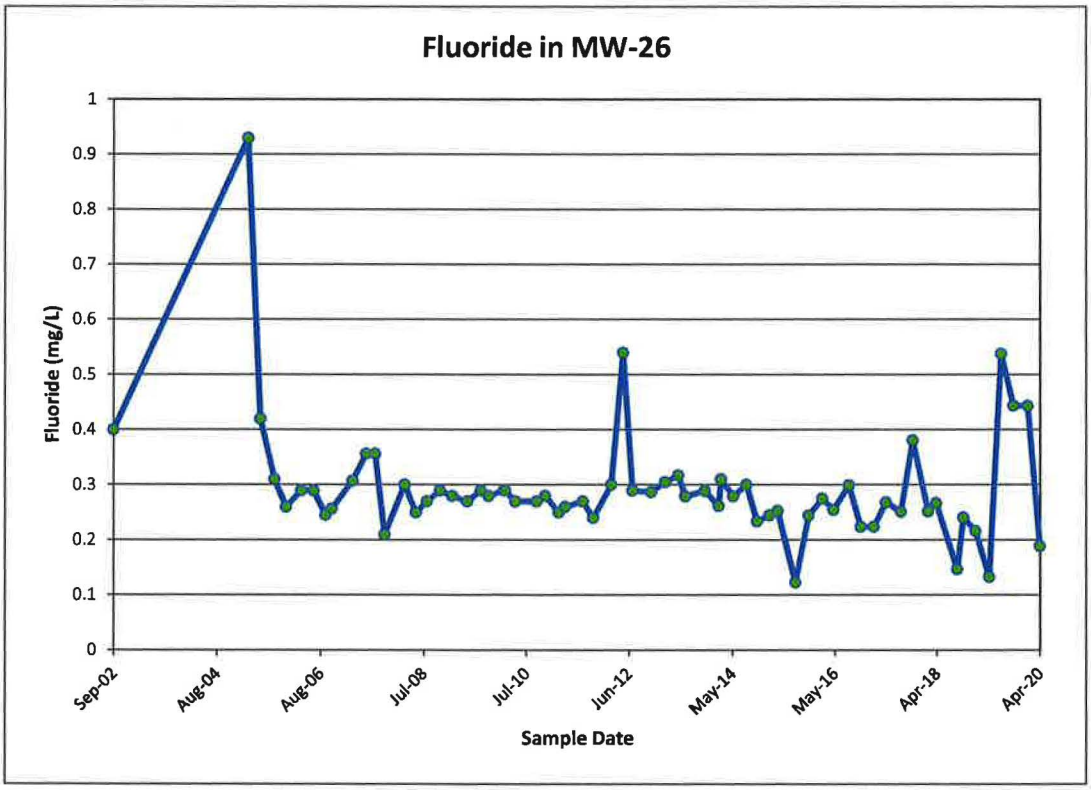


Detected Values

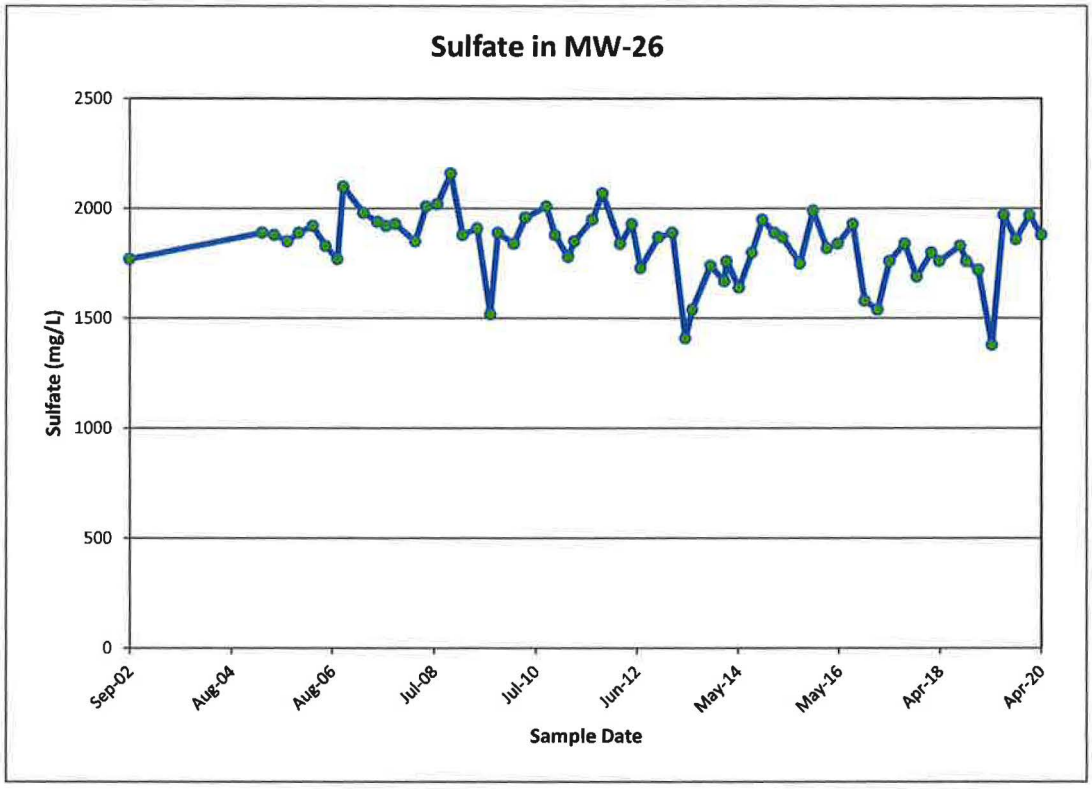
Non-Detected Values

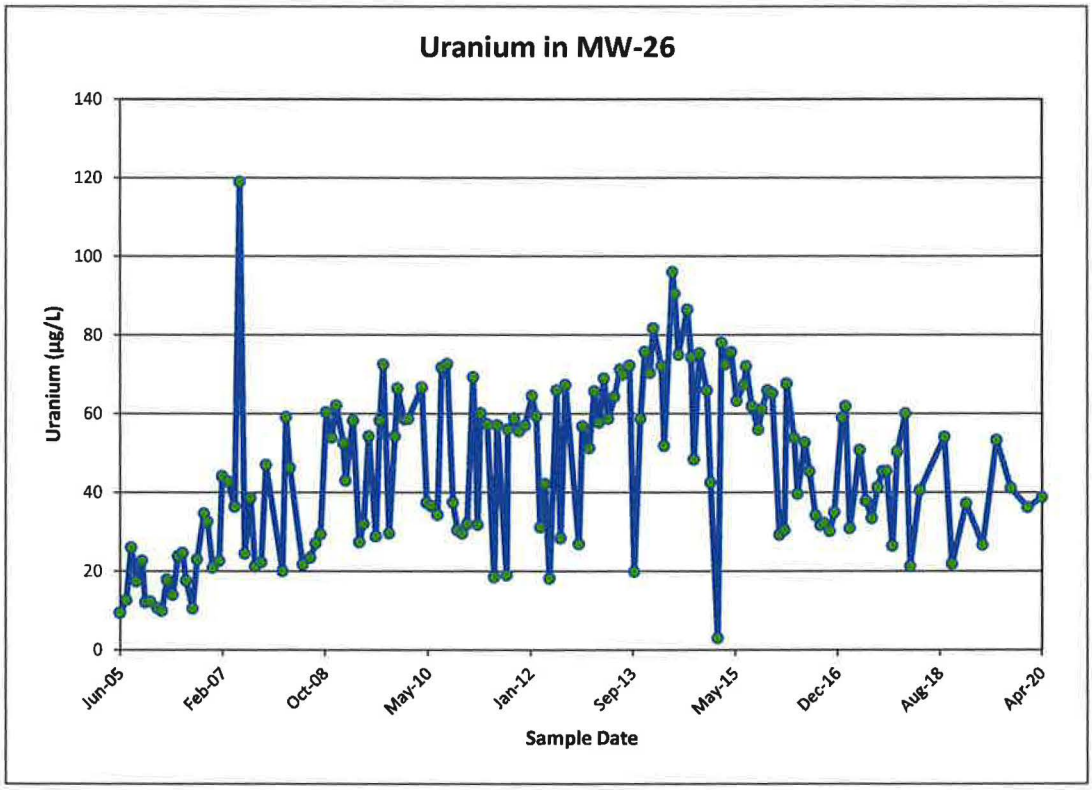
Time concentration plots for MW-26





Time concentration plots for MW-26

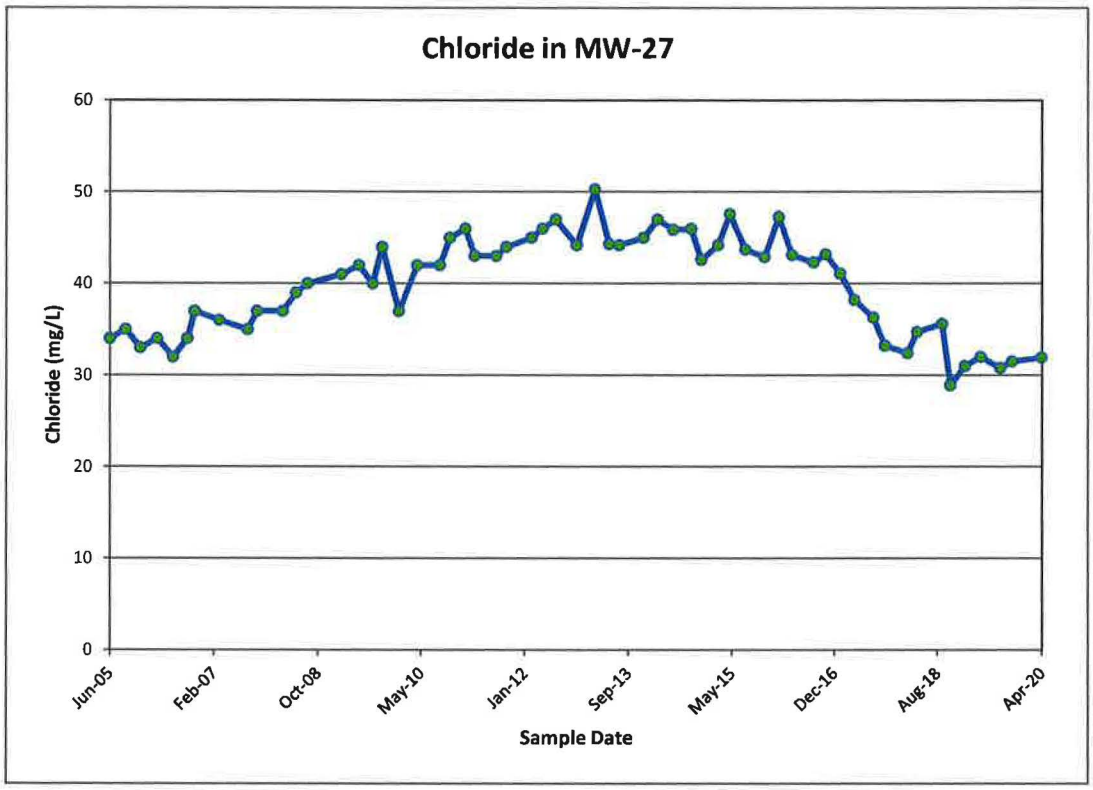


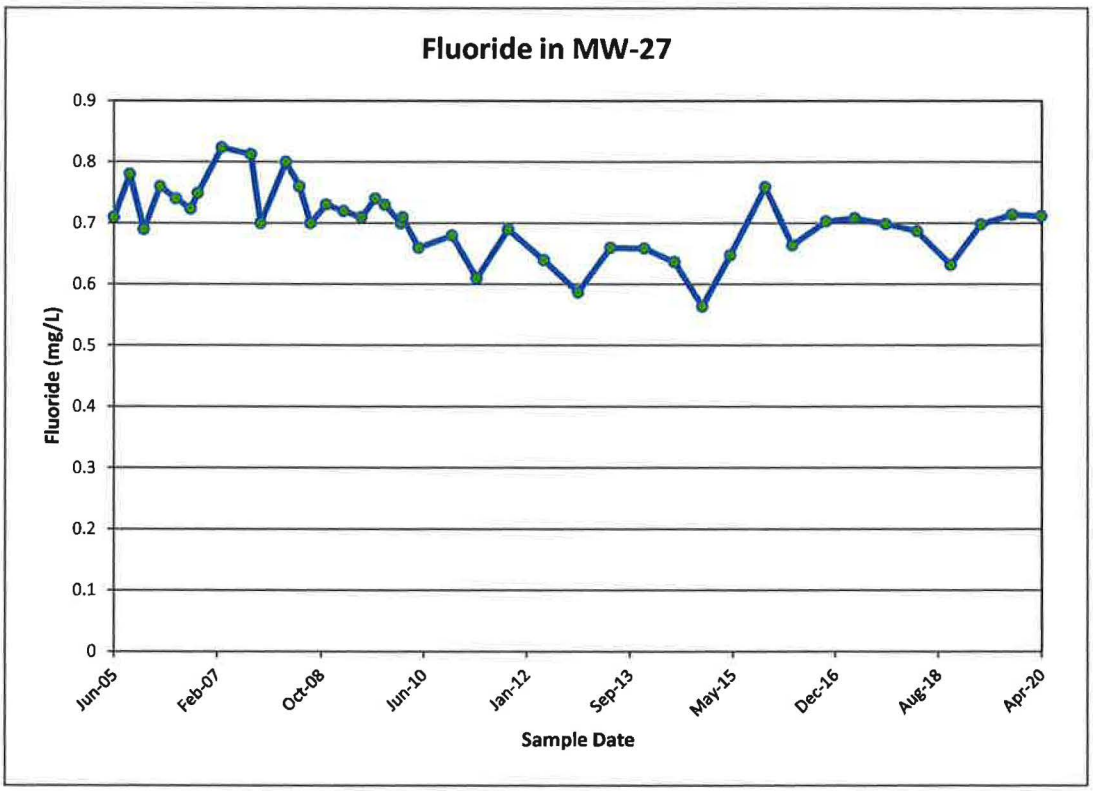


Detected Values

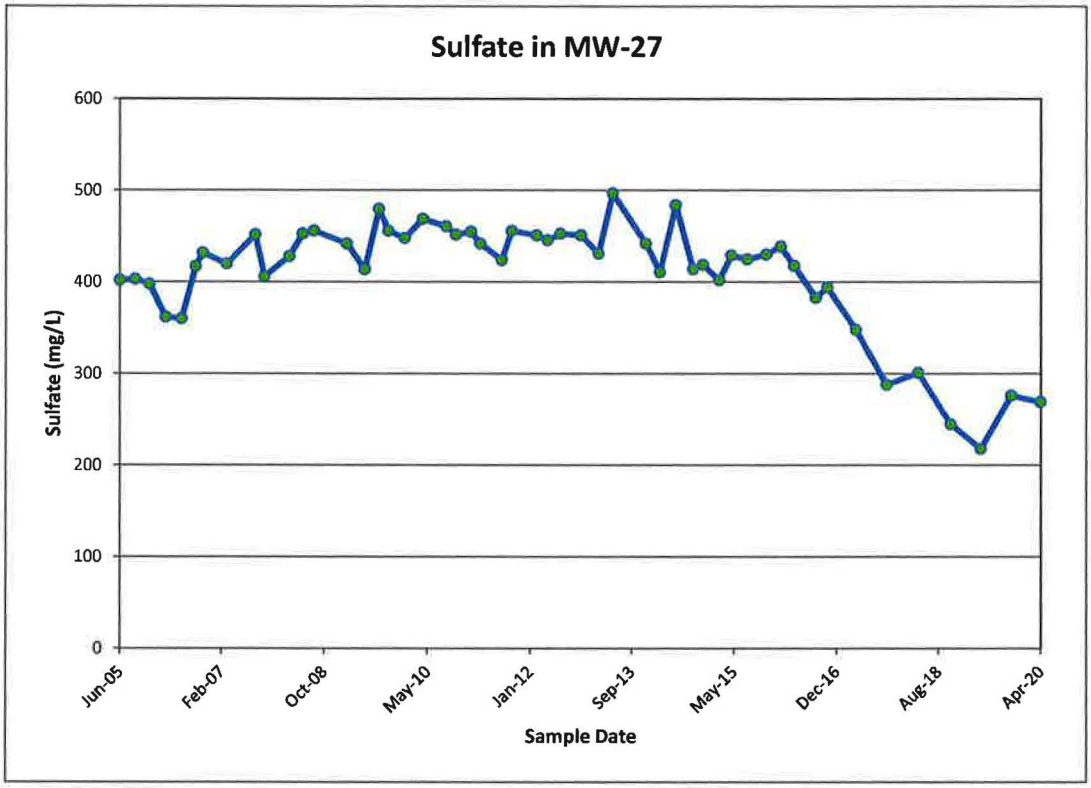
Non-Detected Values

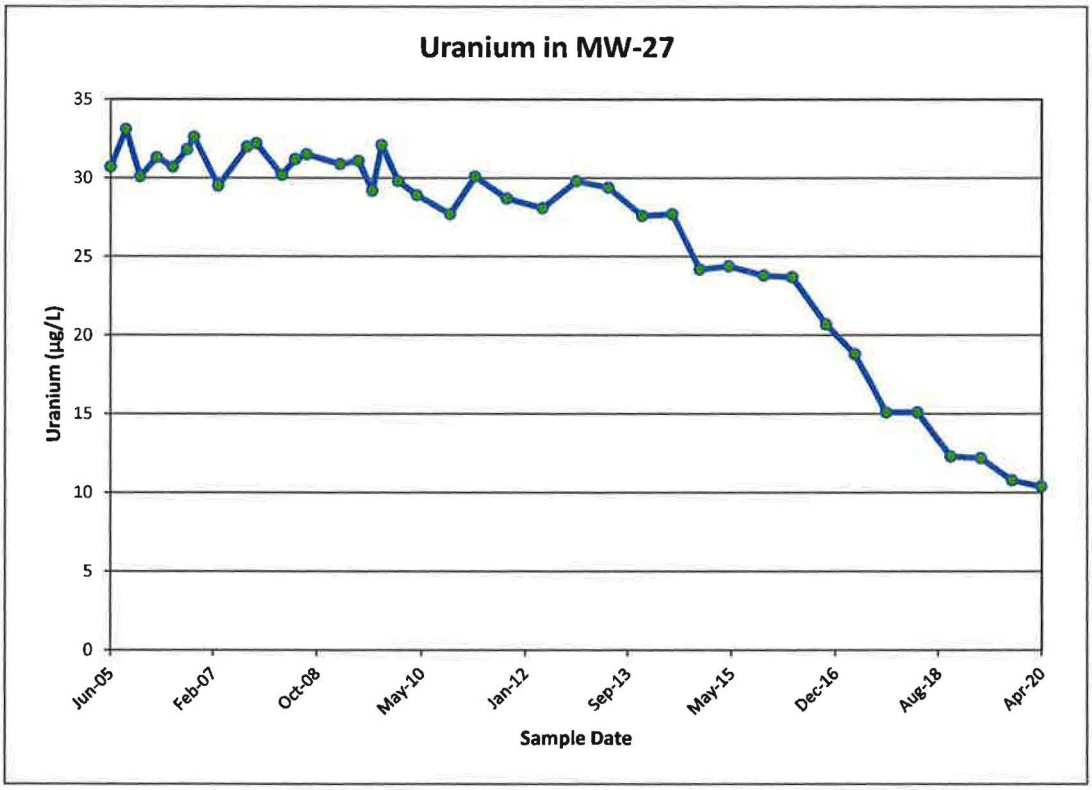
Time concentration plots for MW-27



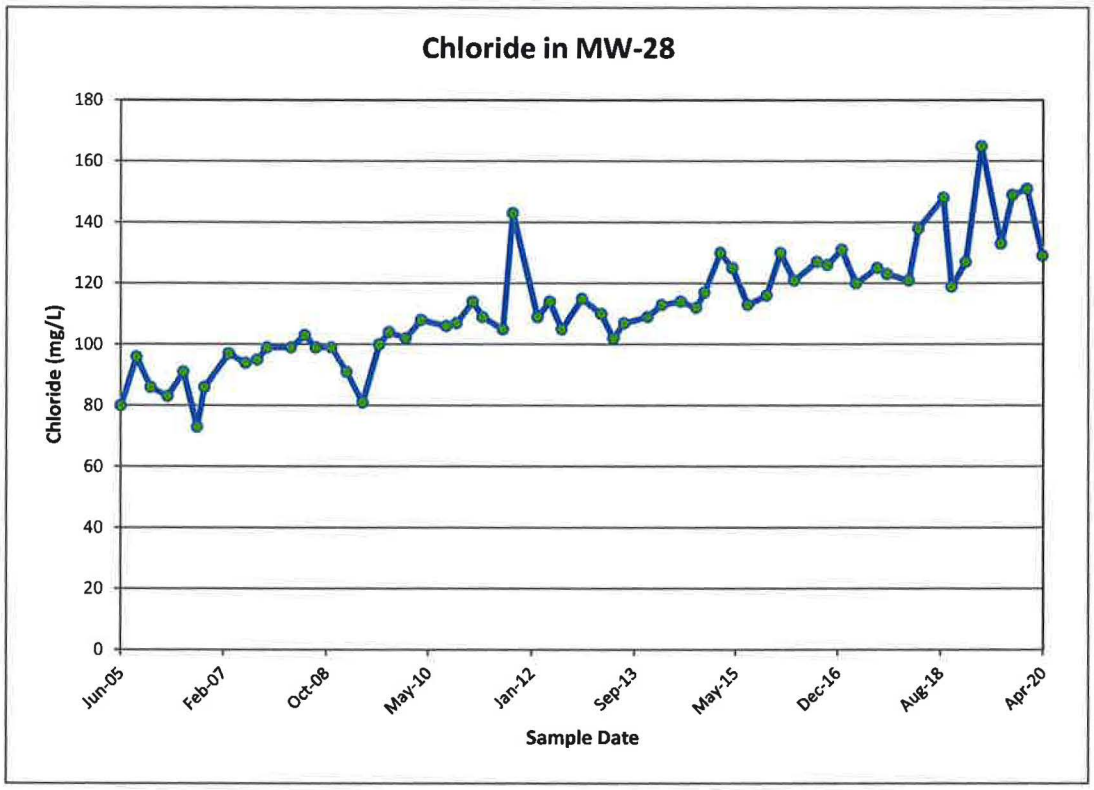


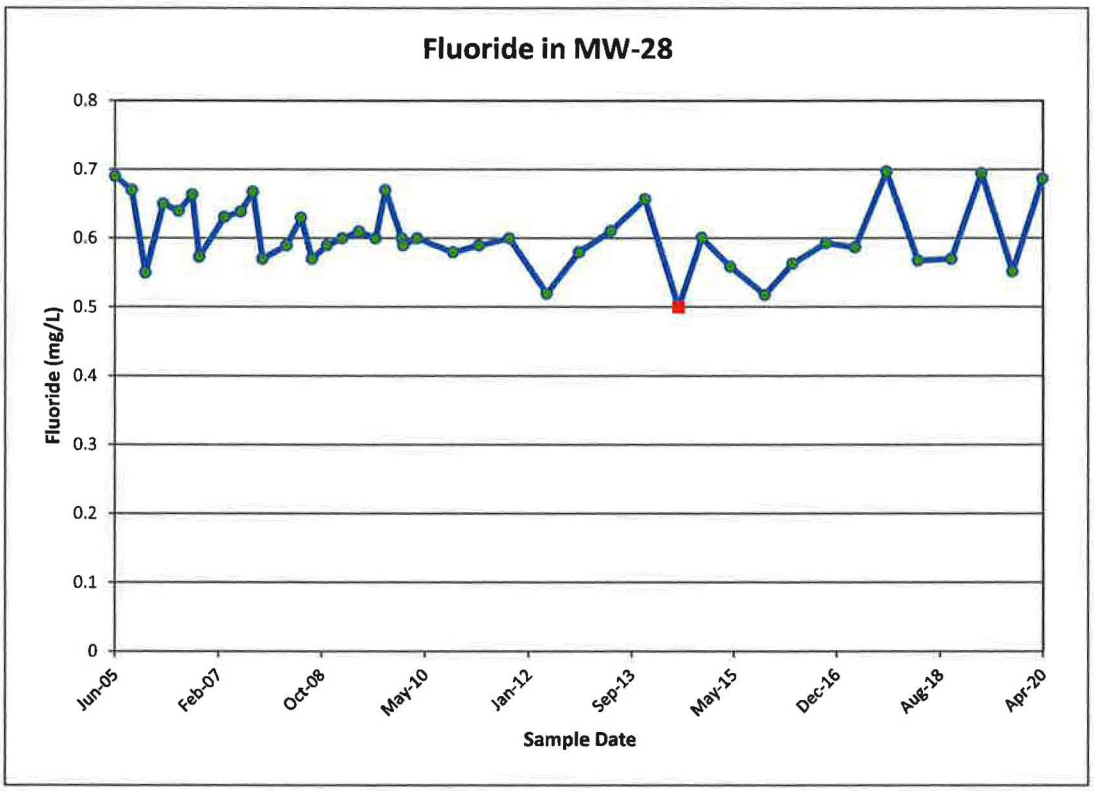
Time concentration plots for MW-27





Time concentration plots for MW-28

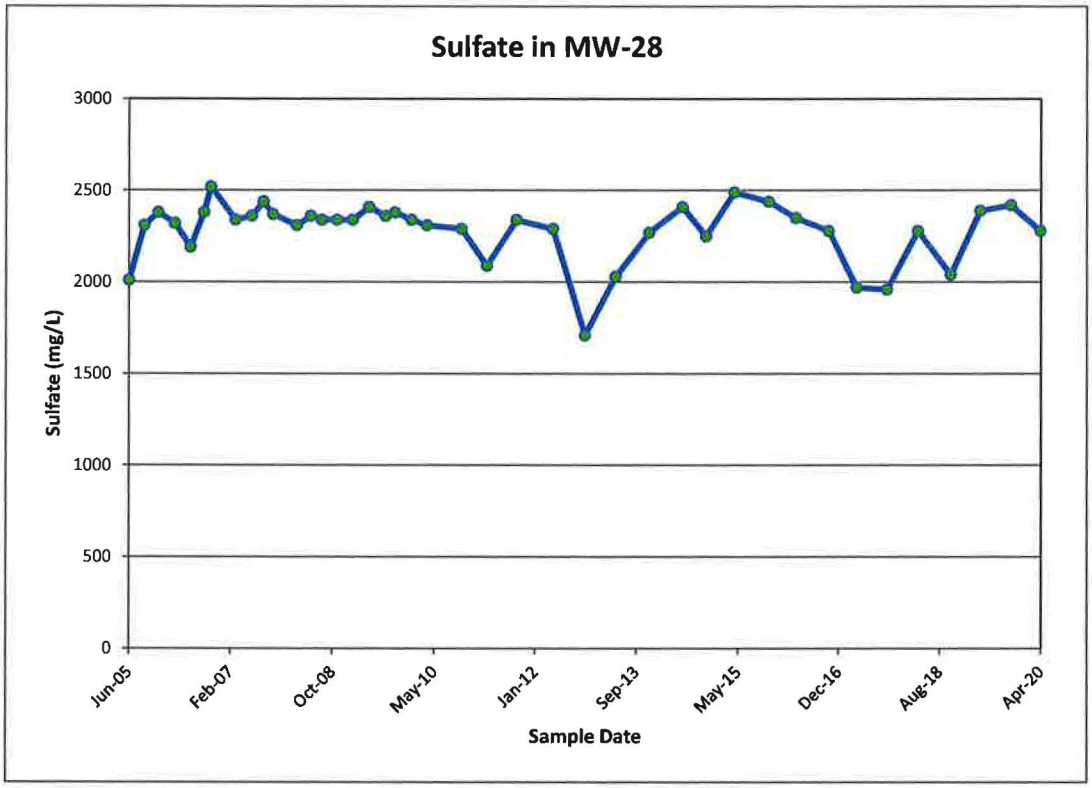


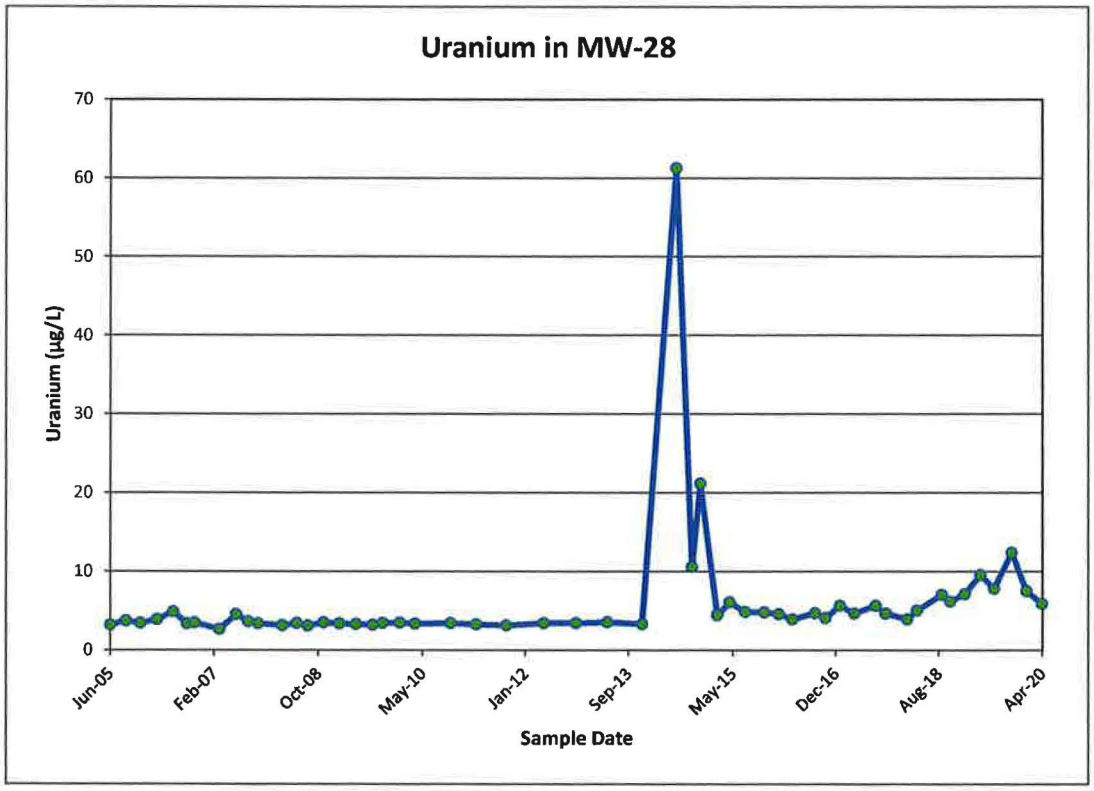


Detected Values

Non-Detected Values

Time concentration plots for MW-28

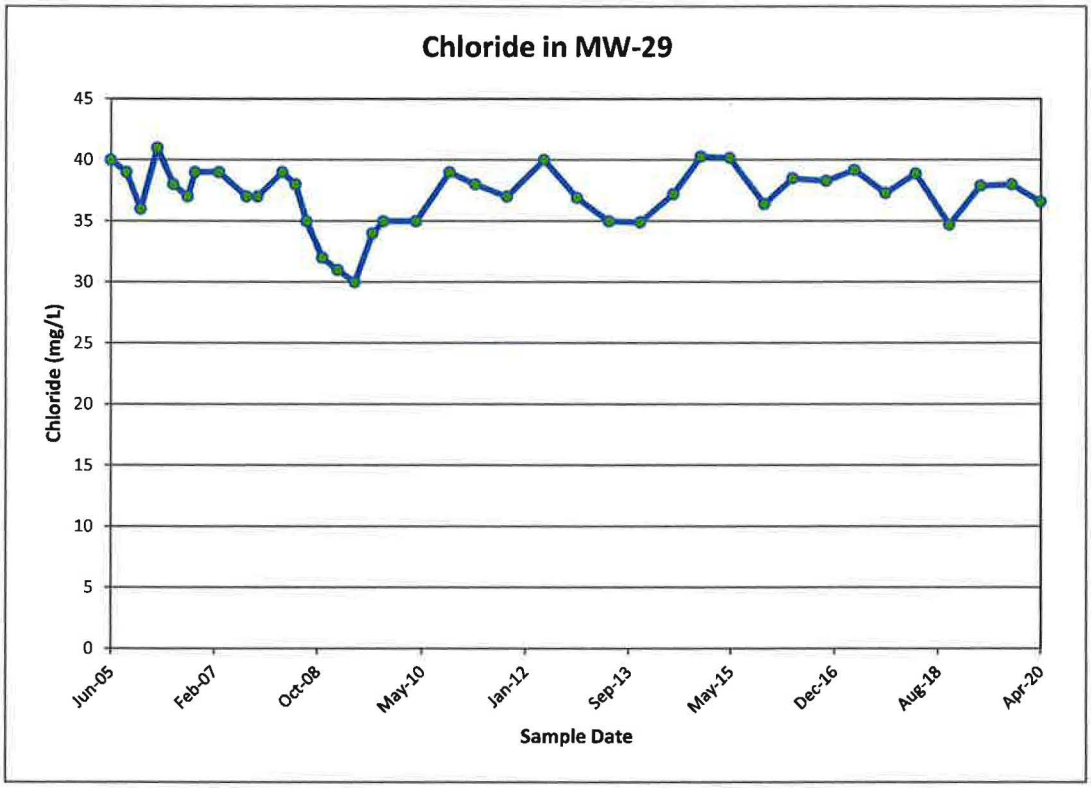


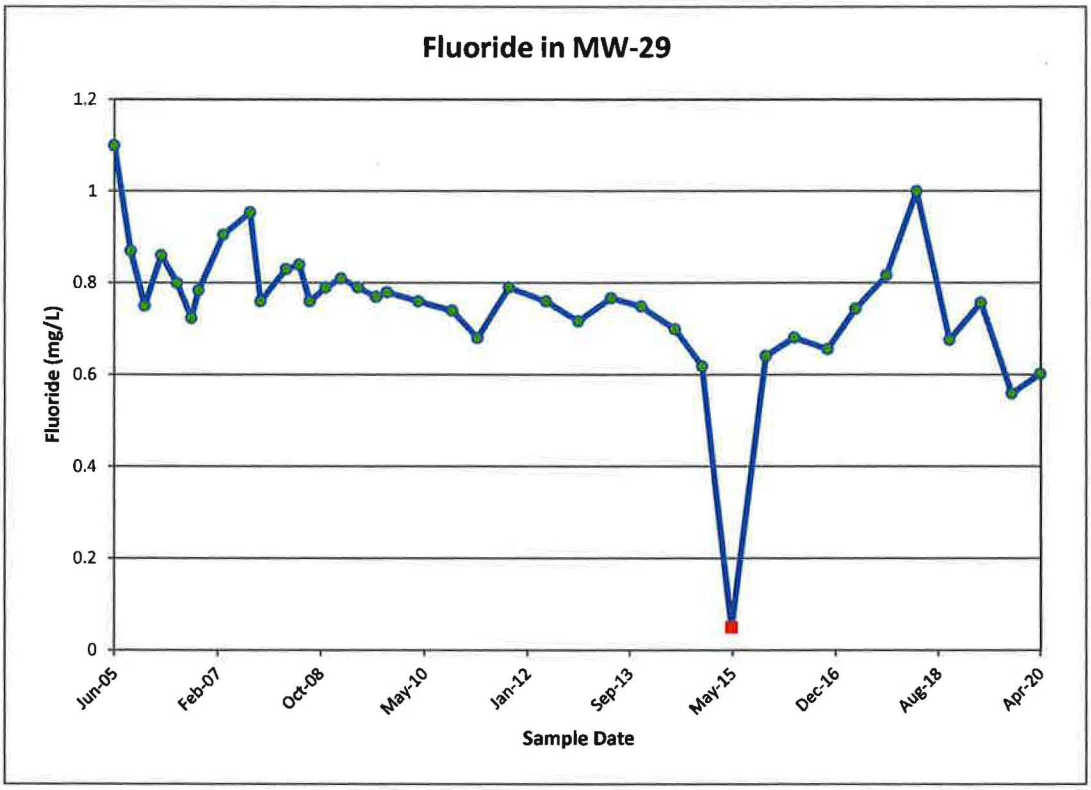


Detected Values

Non-Detected Values

Time concentration plots for MW-29

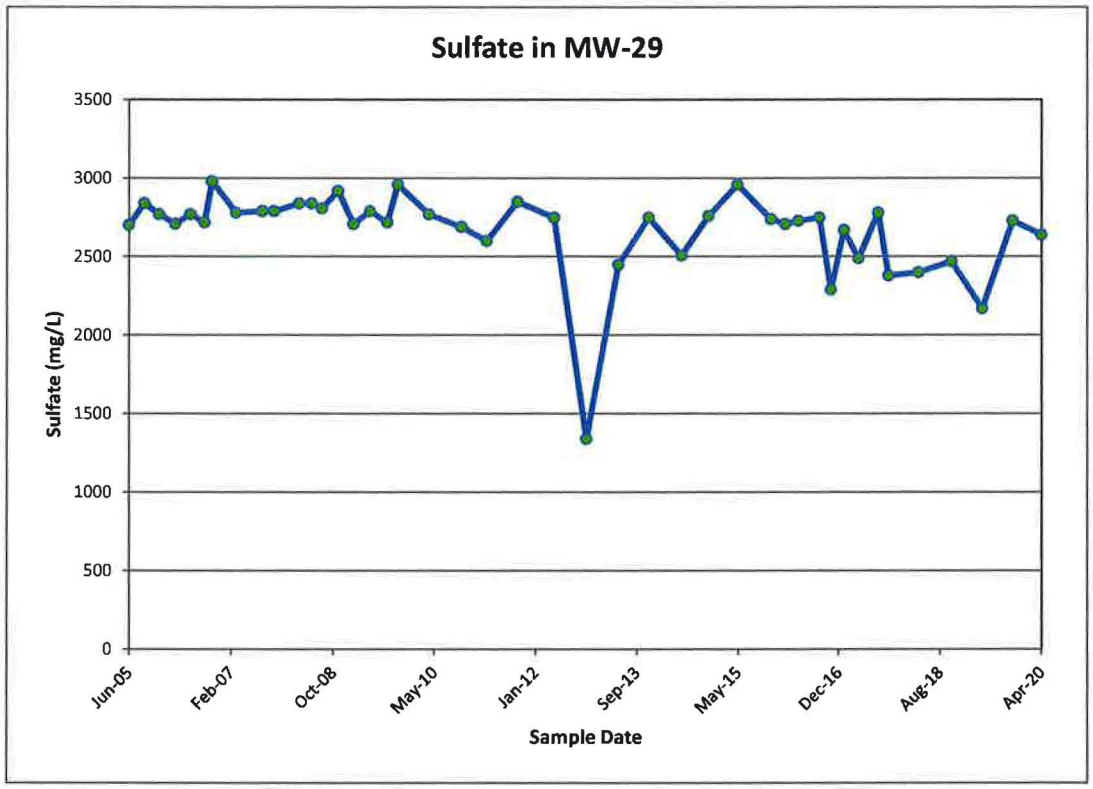


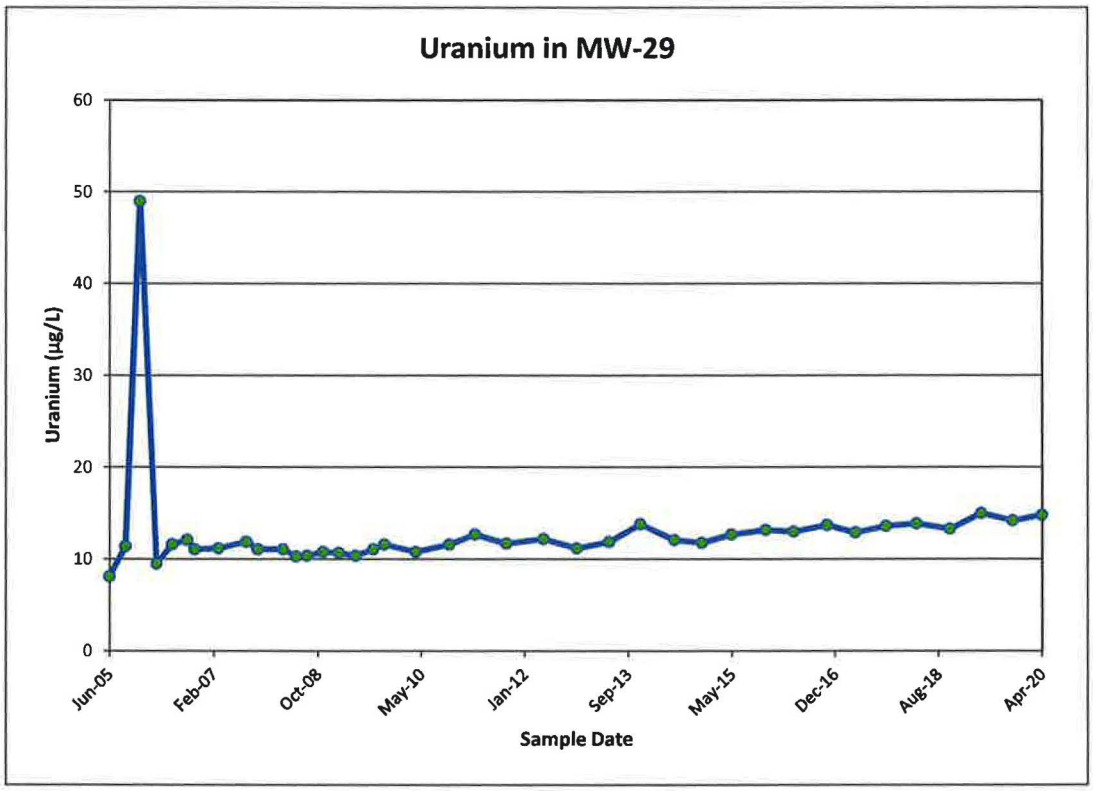


Detected Values

Non-Detected Values

Time concentration plots for MW-29

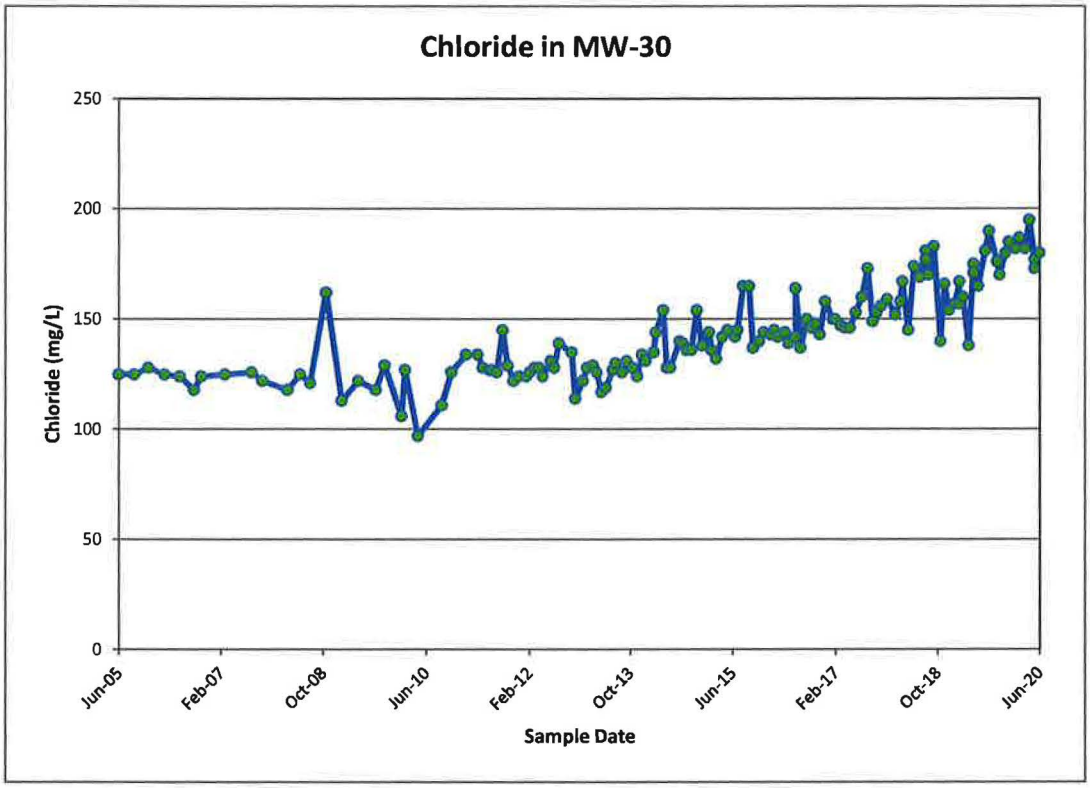


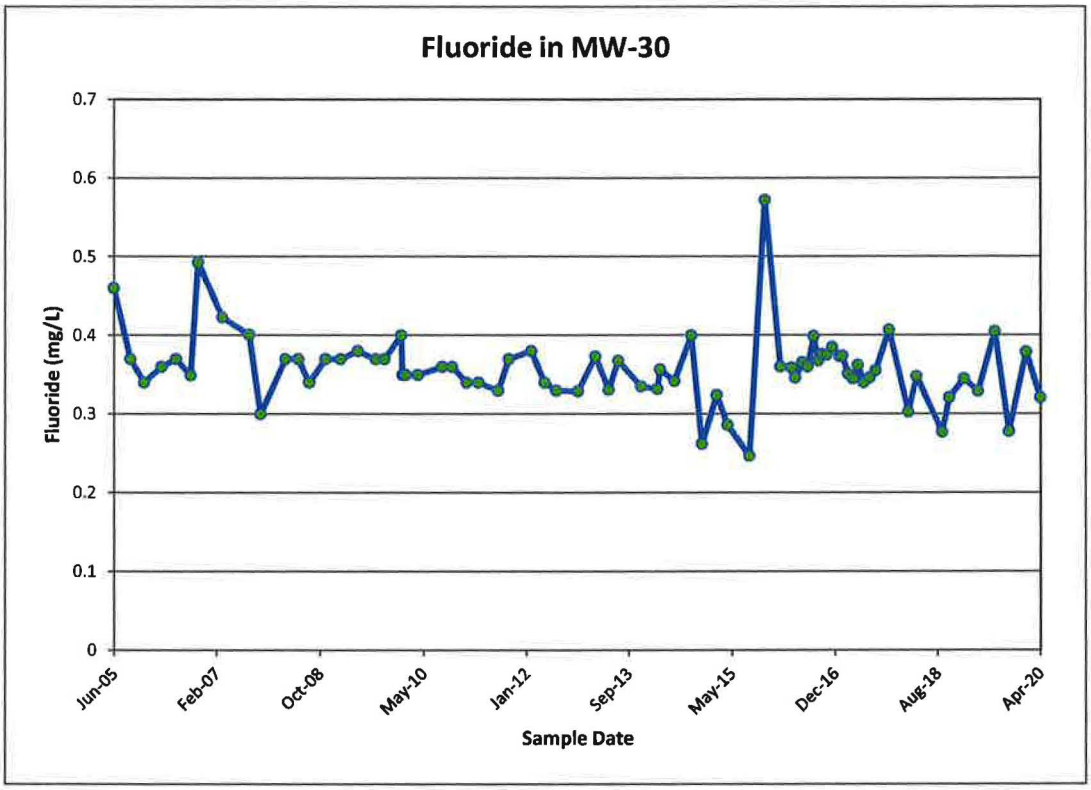


Detected Values

Non-Detected Values

Time concentration plots for MW-30

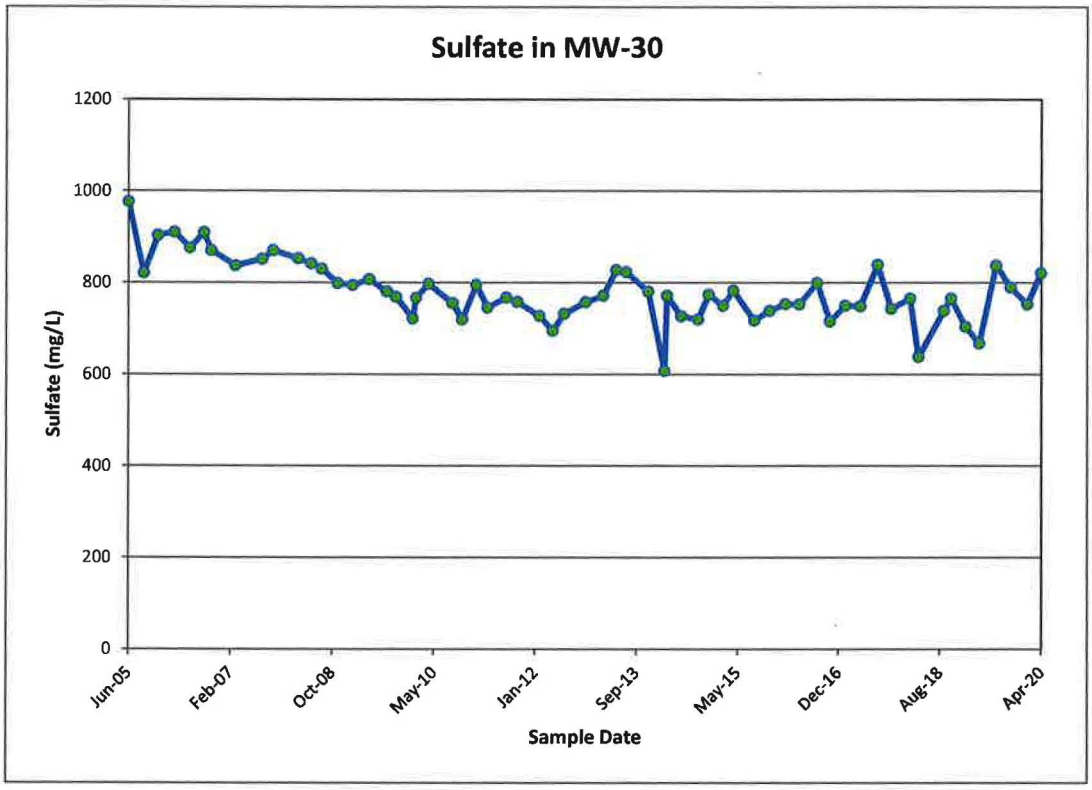


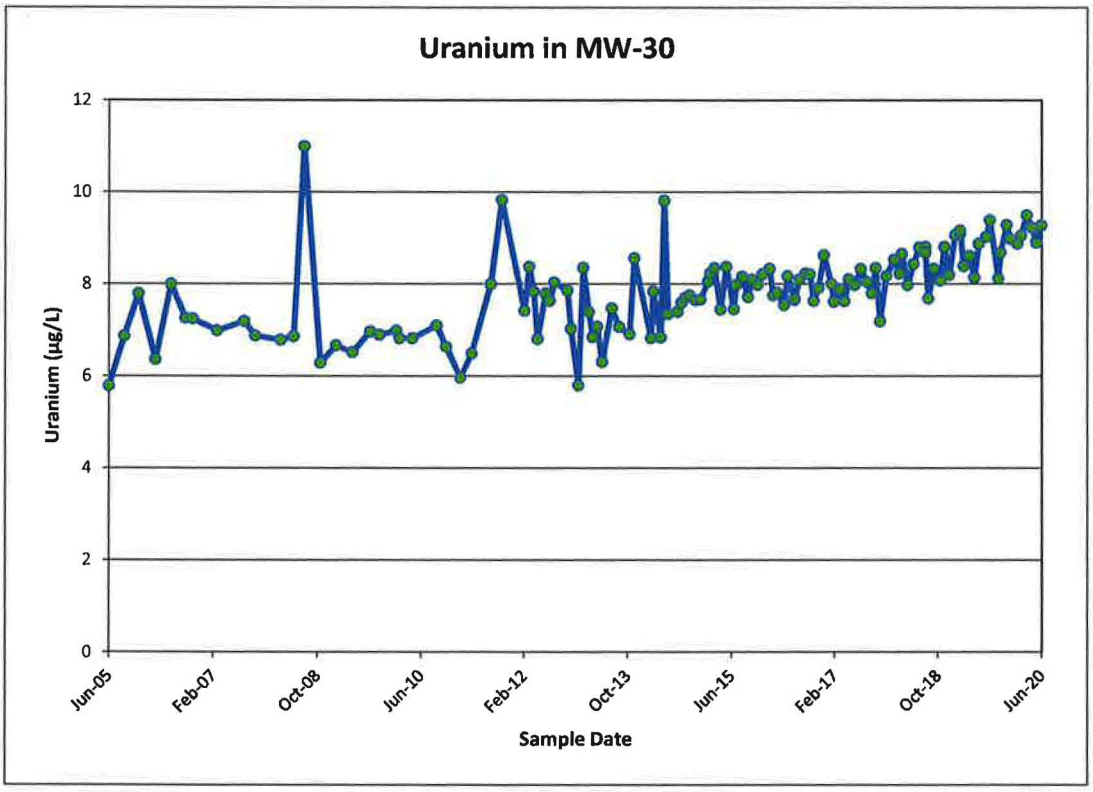


Detected Values

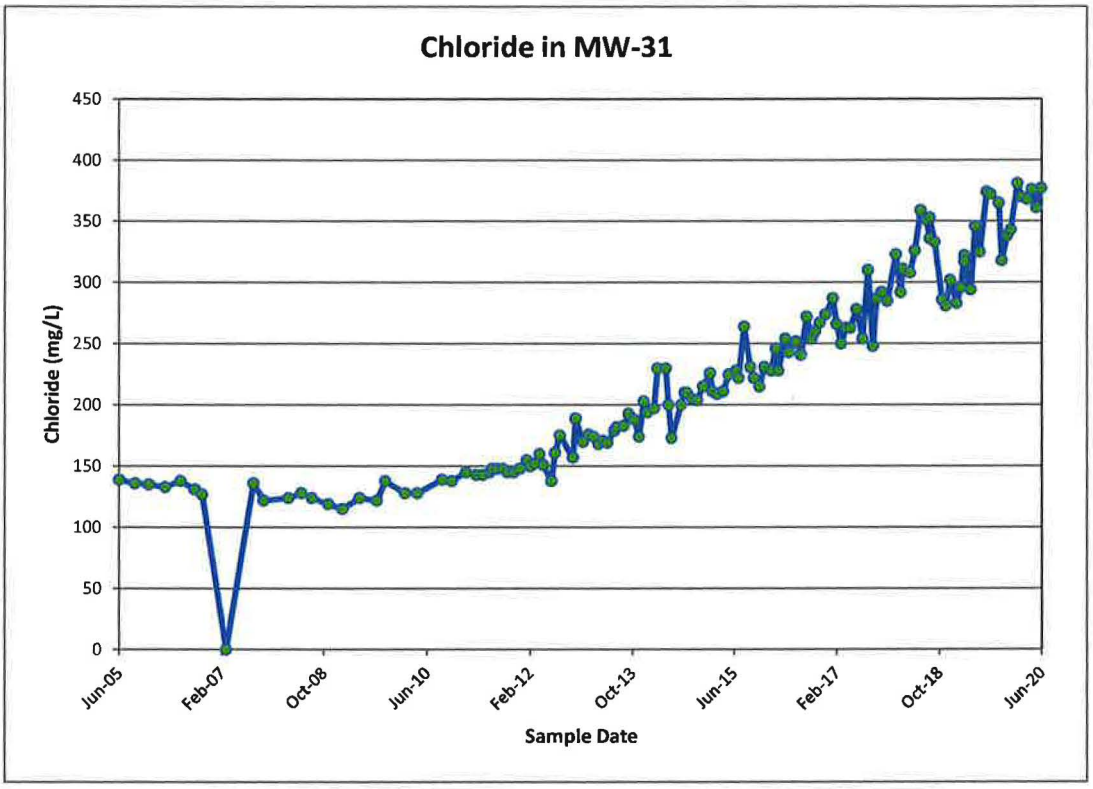
Non-Detected Values

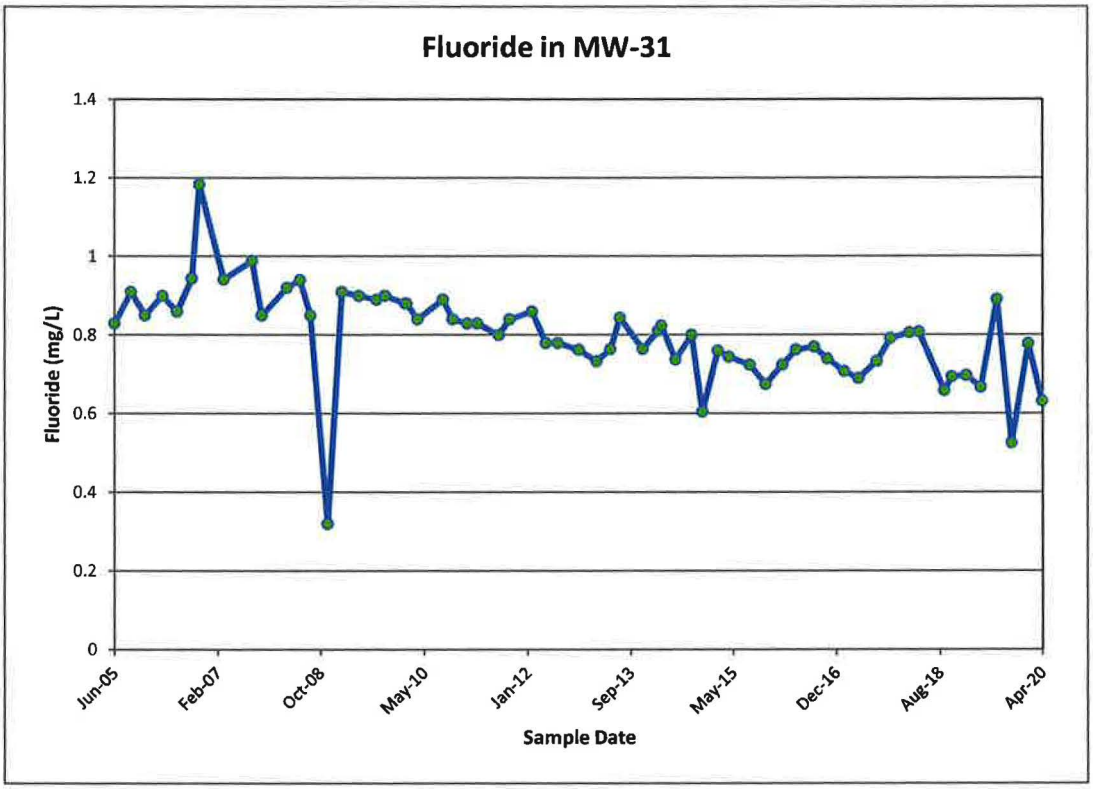
Time concentration plots for MW-30



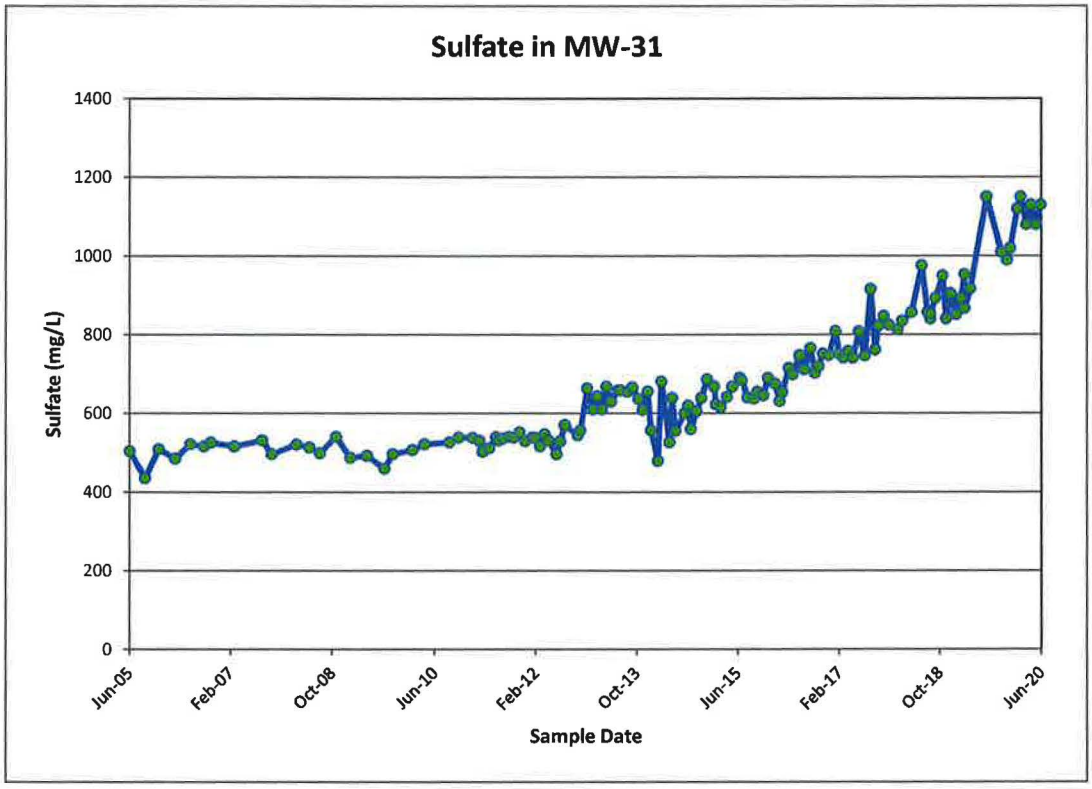


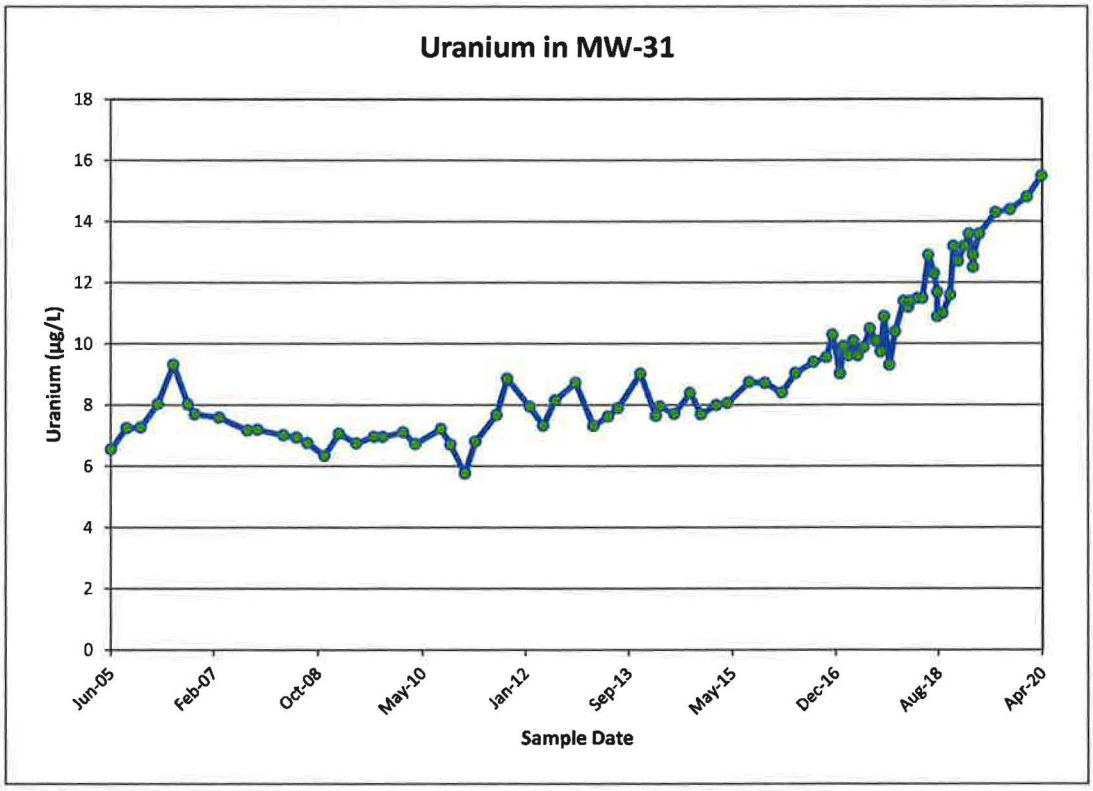
Time concentration plots for MW-31





Time concentration plots for MW-31

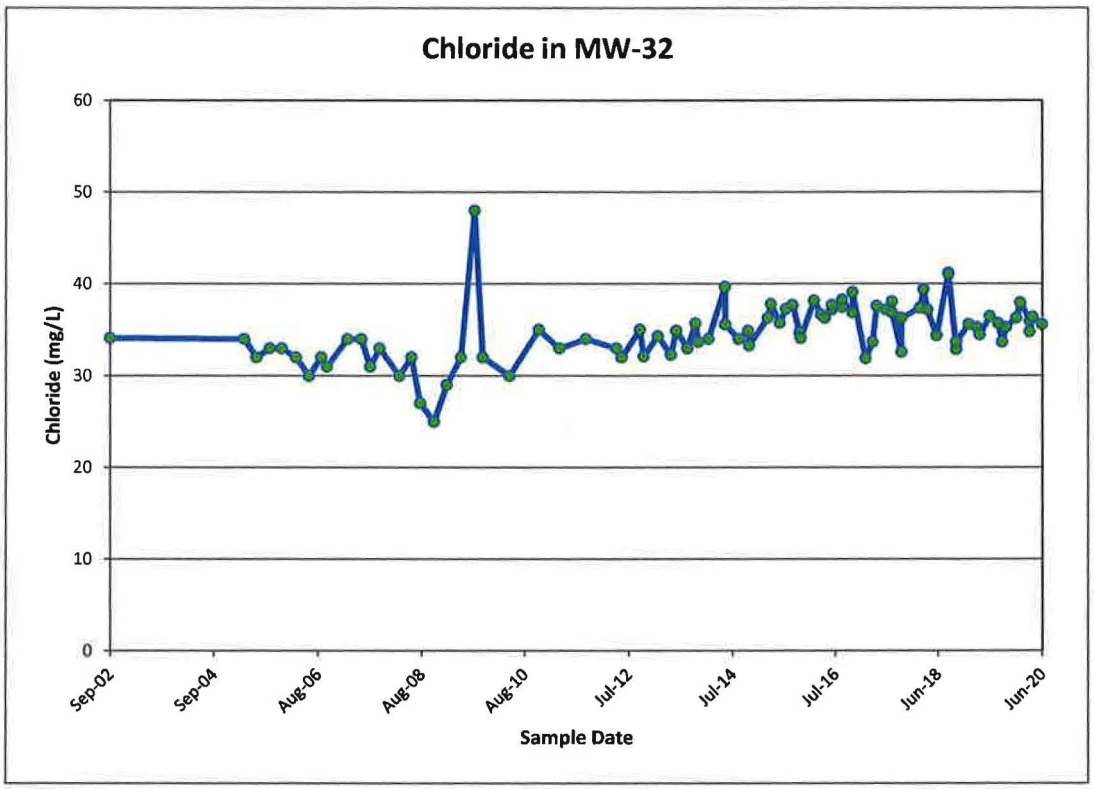


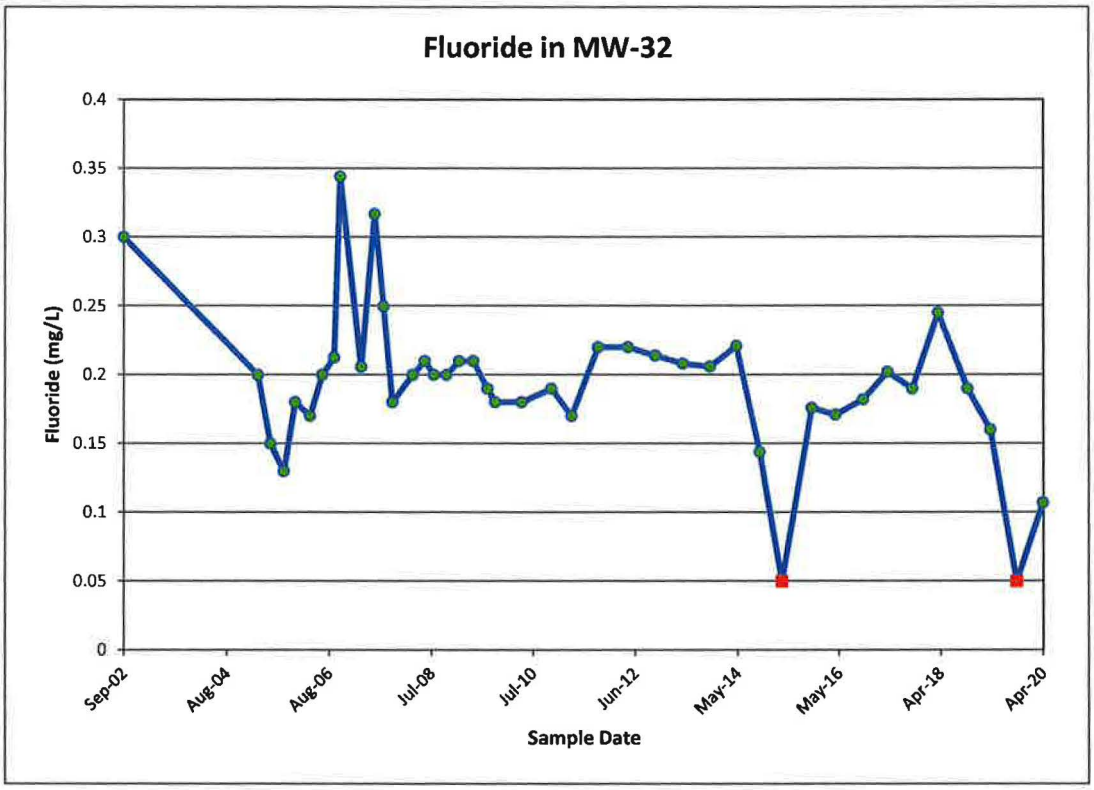


Detected Values

Non-Detected Values

Time concentration plots for MW-32

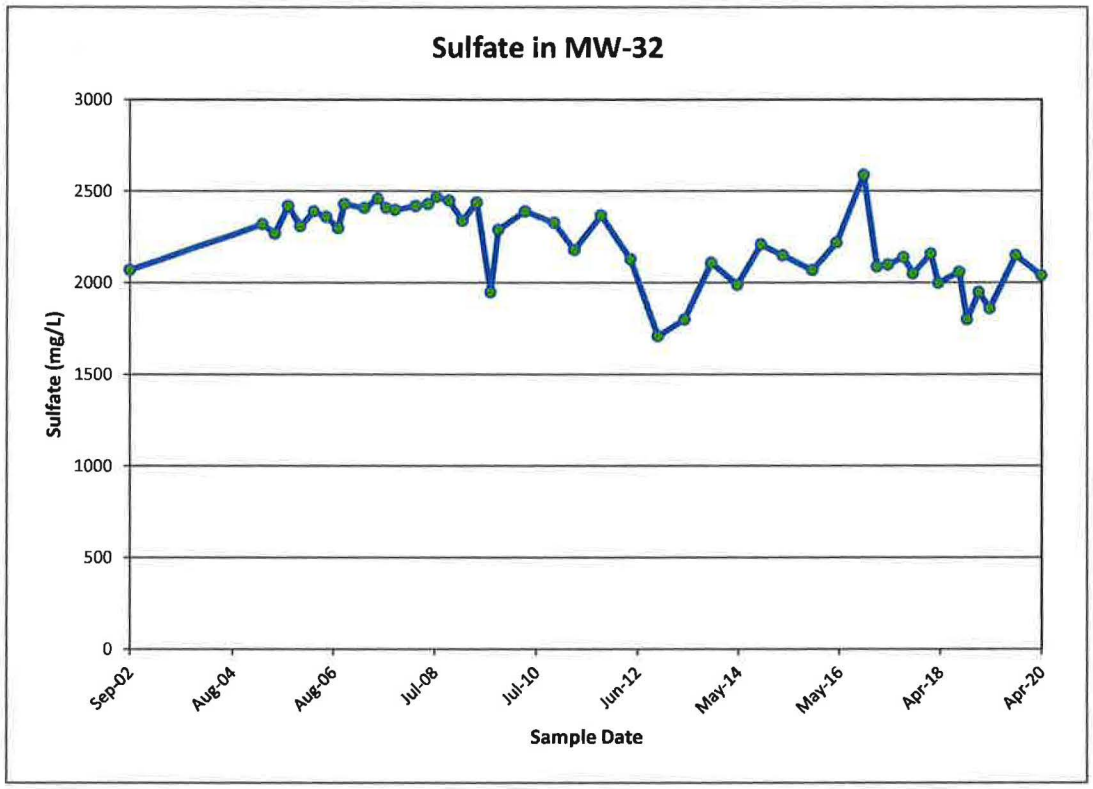


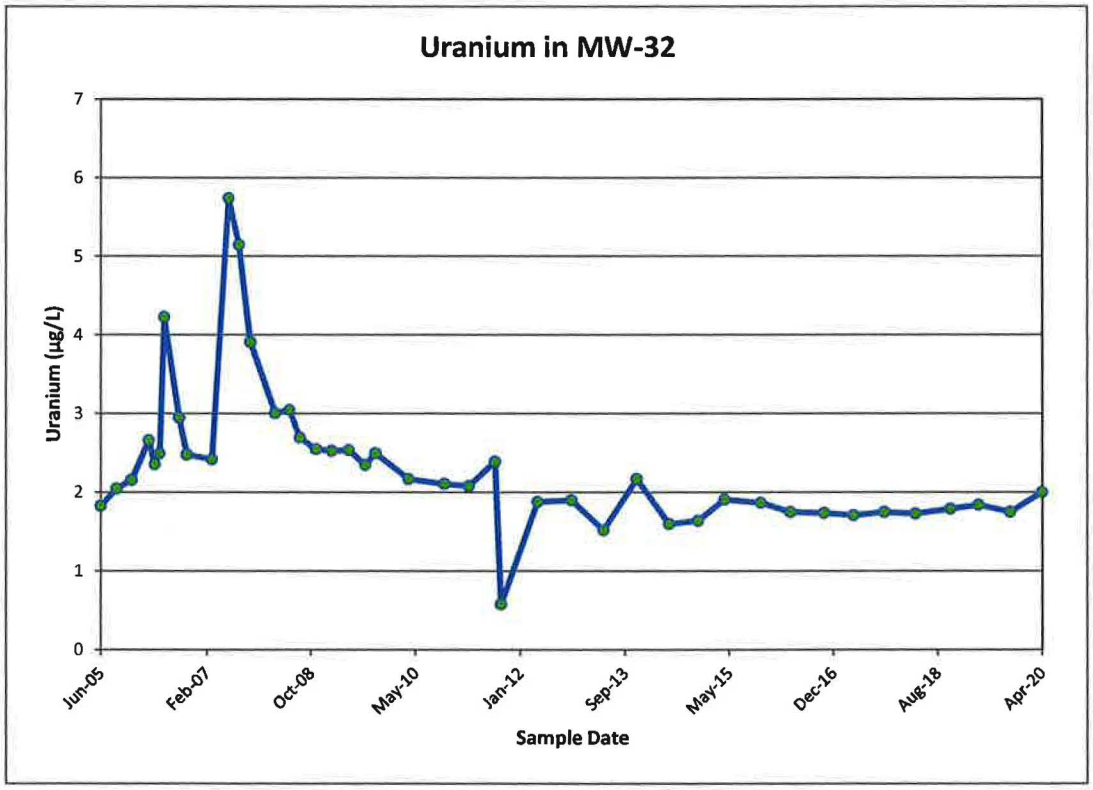


Detected Values

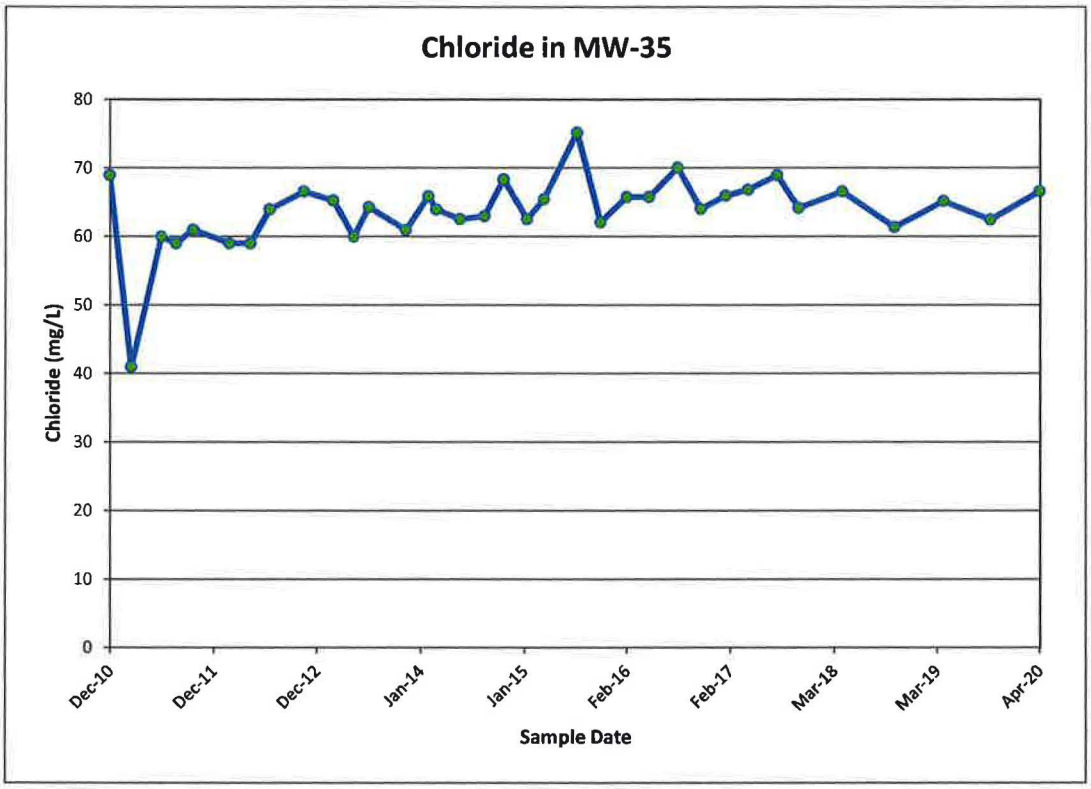
Non-Detected Values

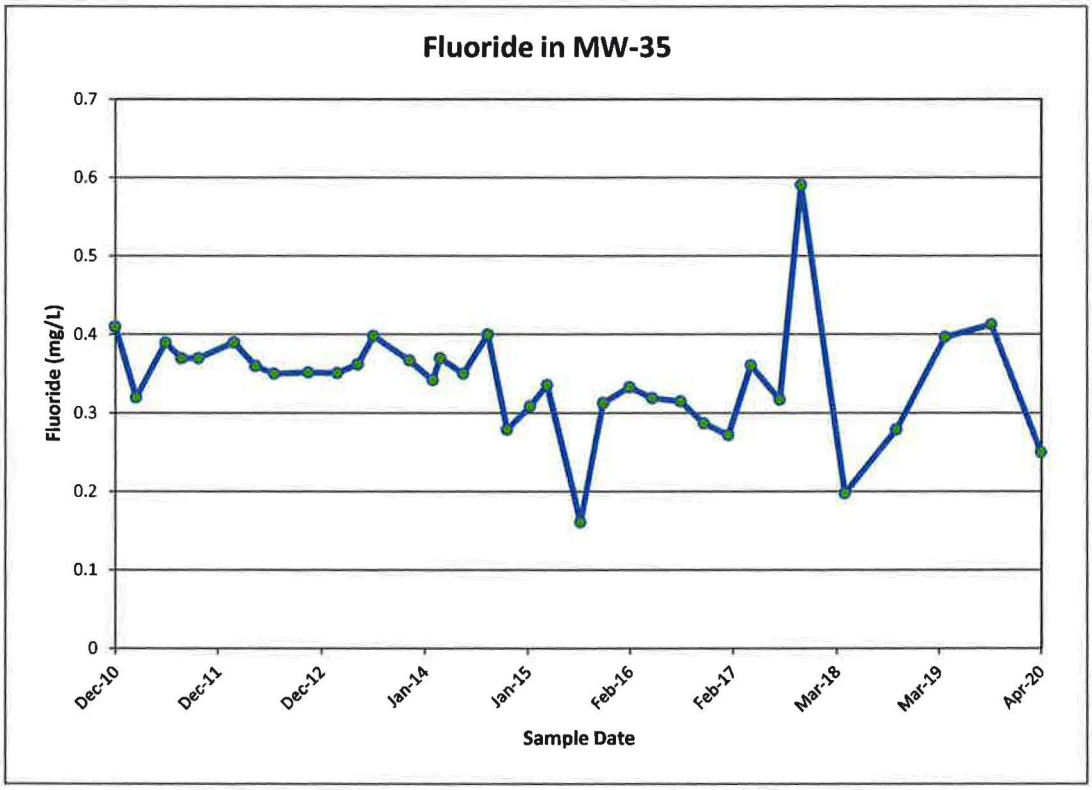
Time concentration plots for MW-32



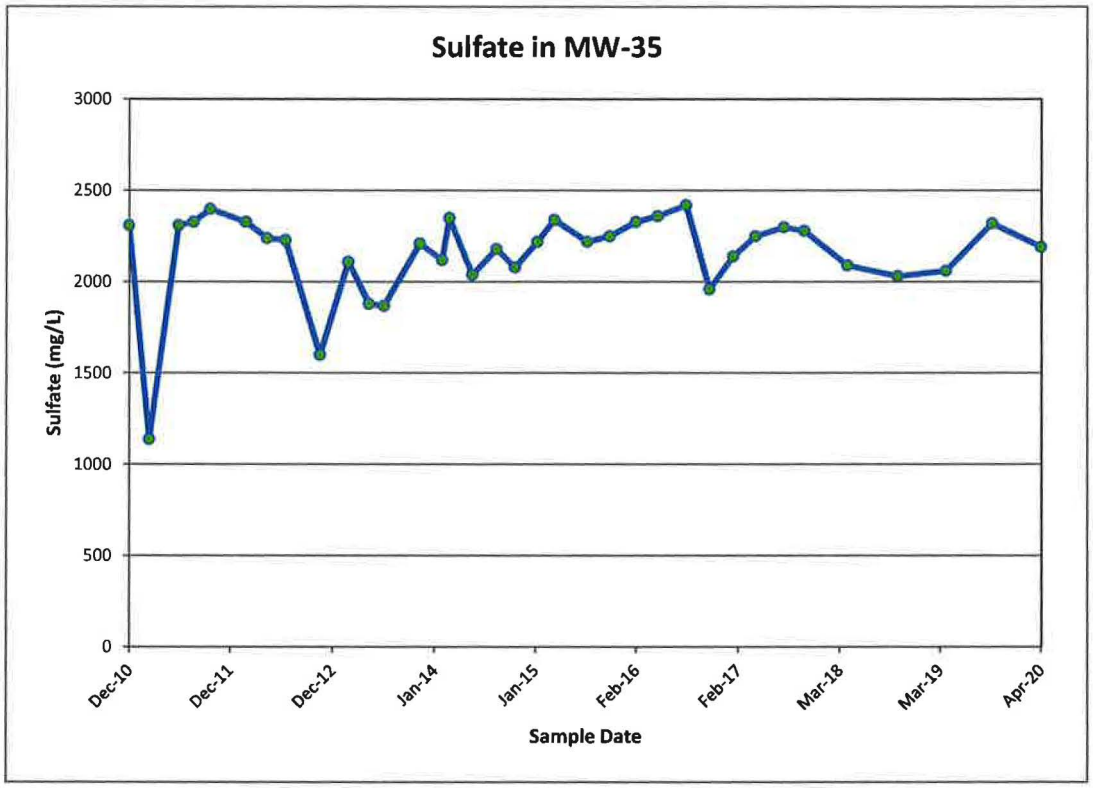


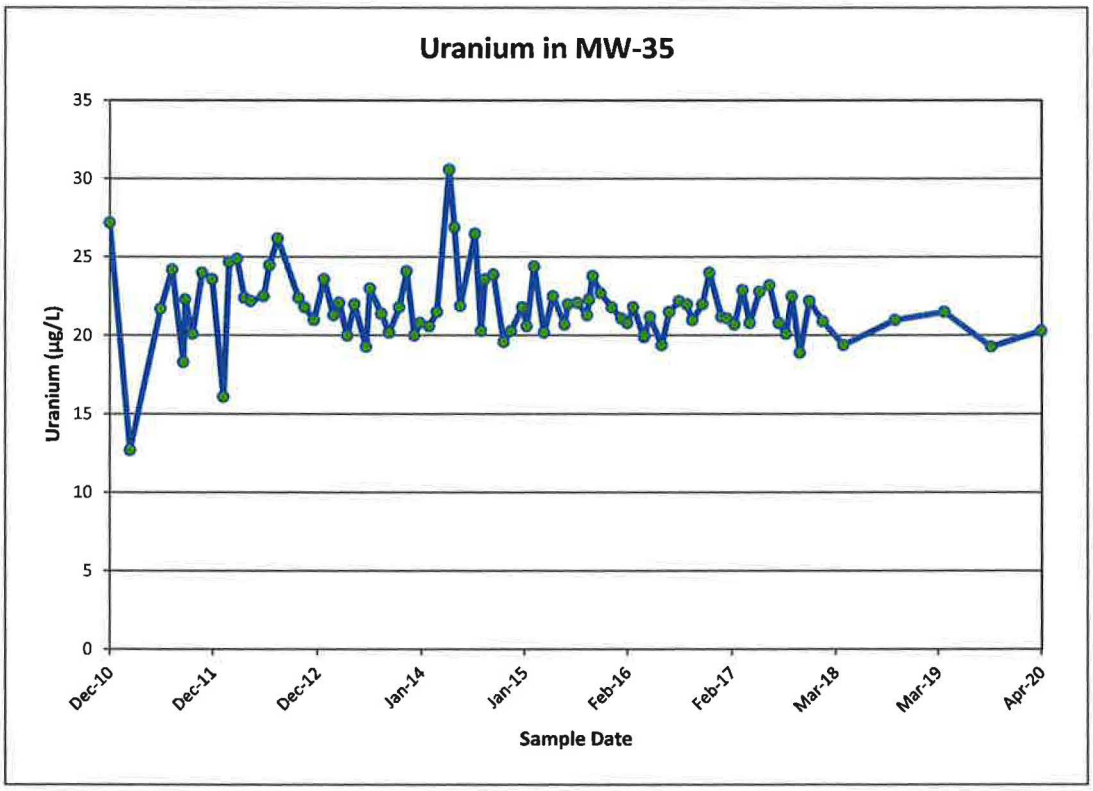
Time concentration plots for MW-35





Time concentration plots for MW-35

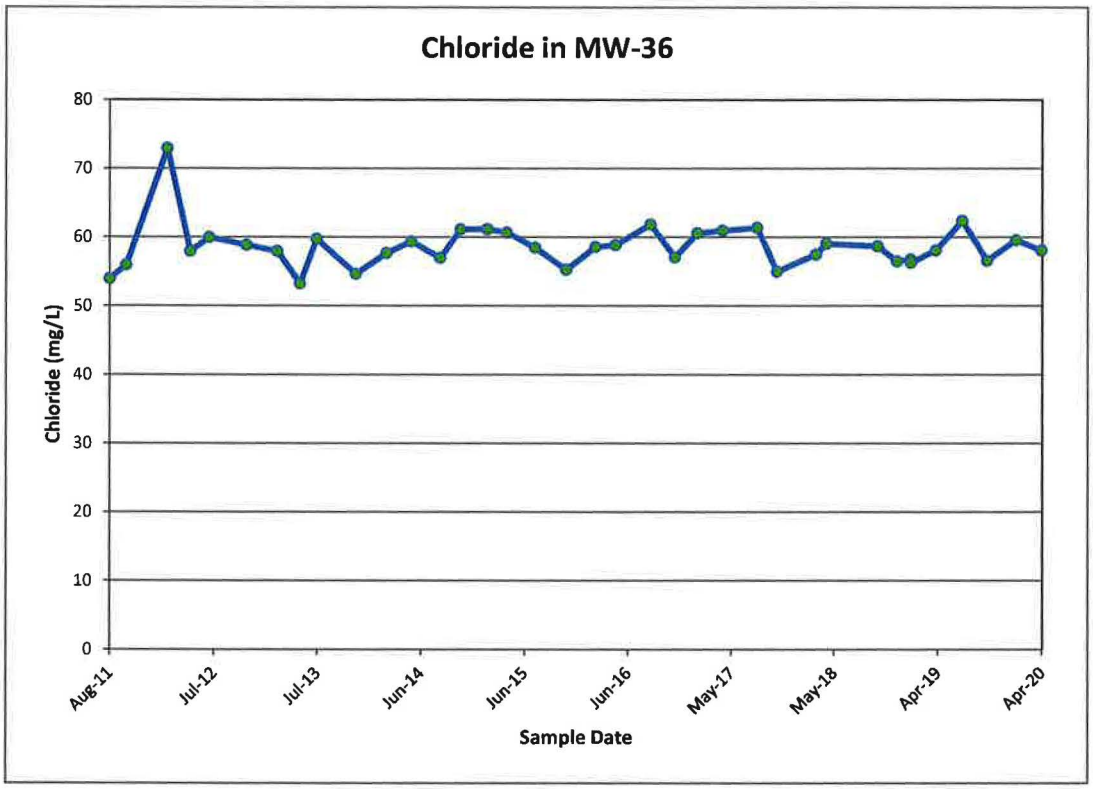


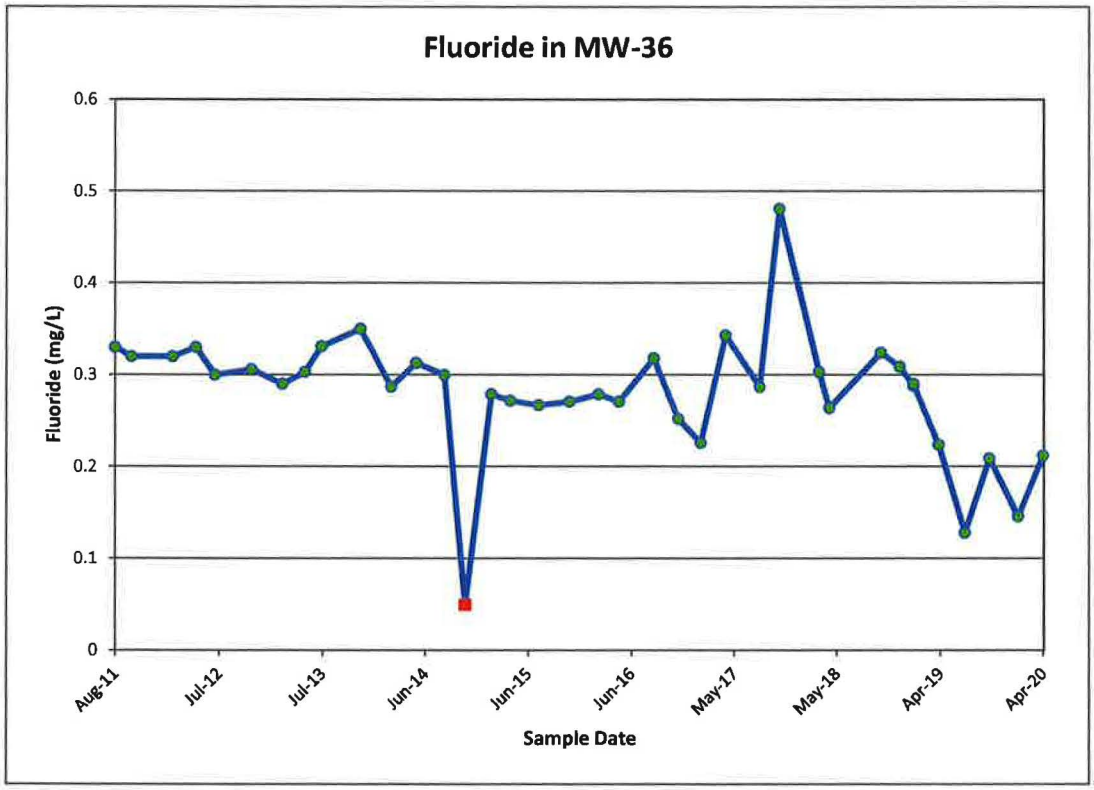


Detected Values

Non-Detected Values

Time concentration plots for MW-36

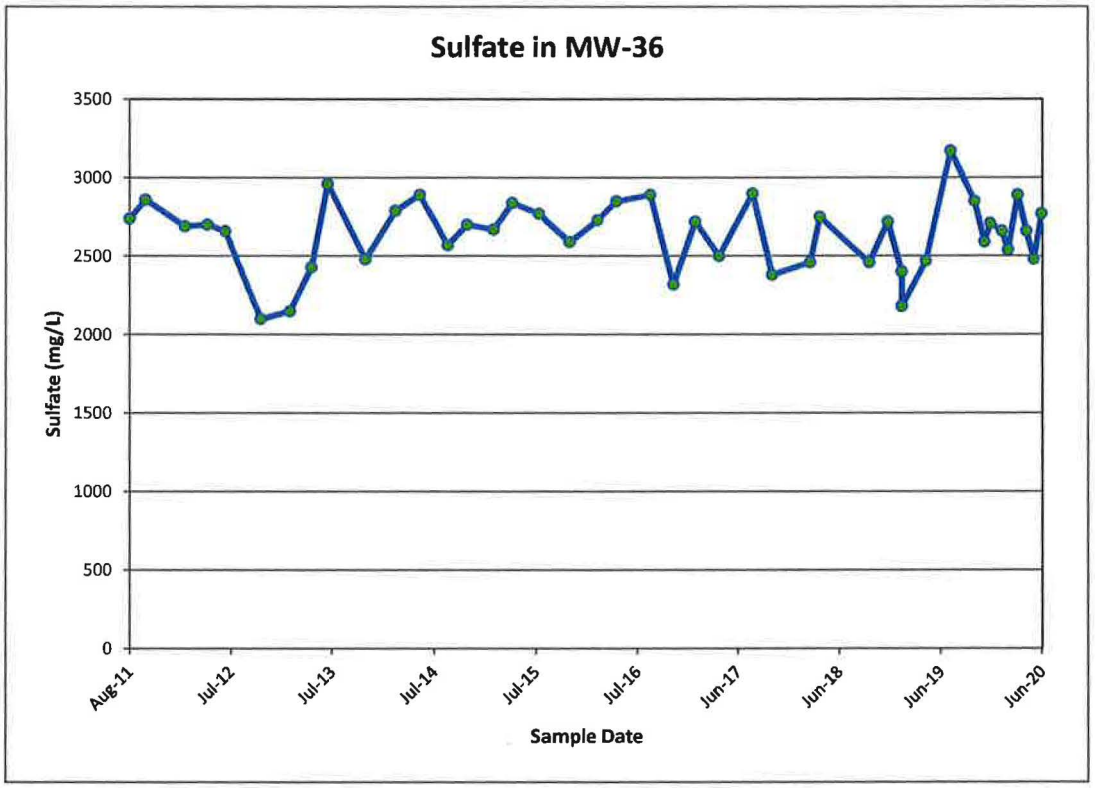


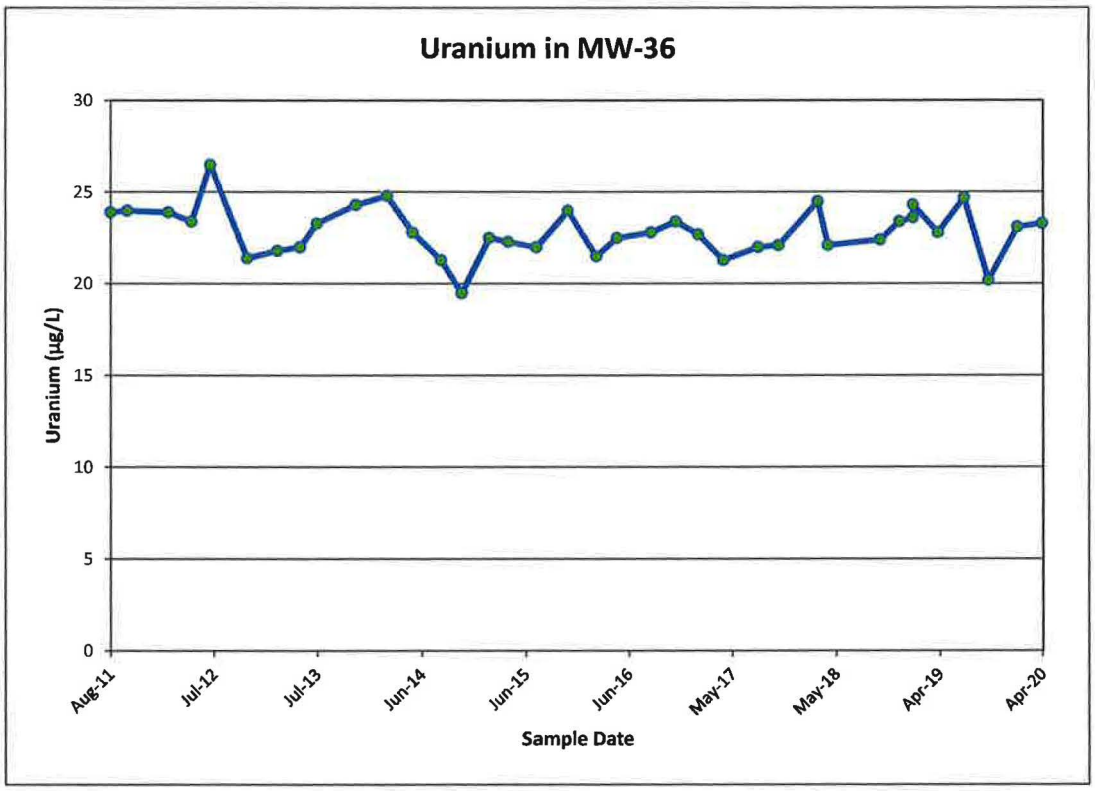


Detected Values

Non-Detected Values

Time concentration plots for MW-36

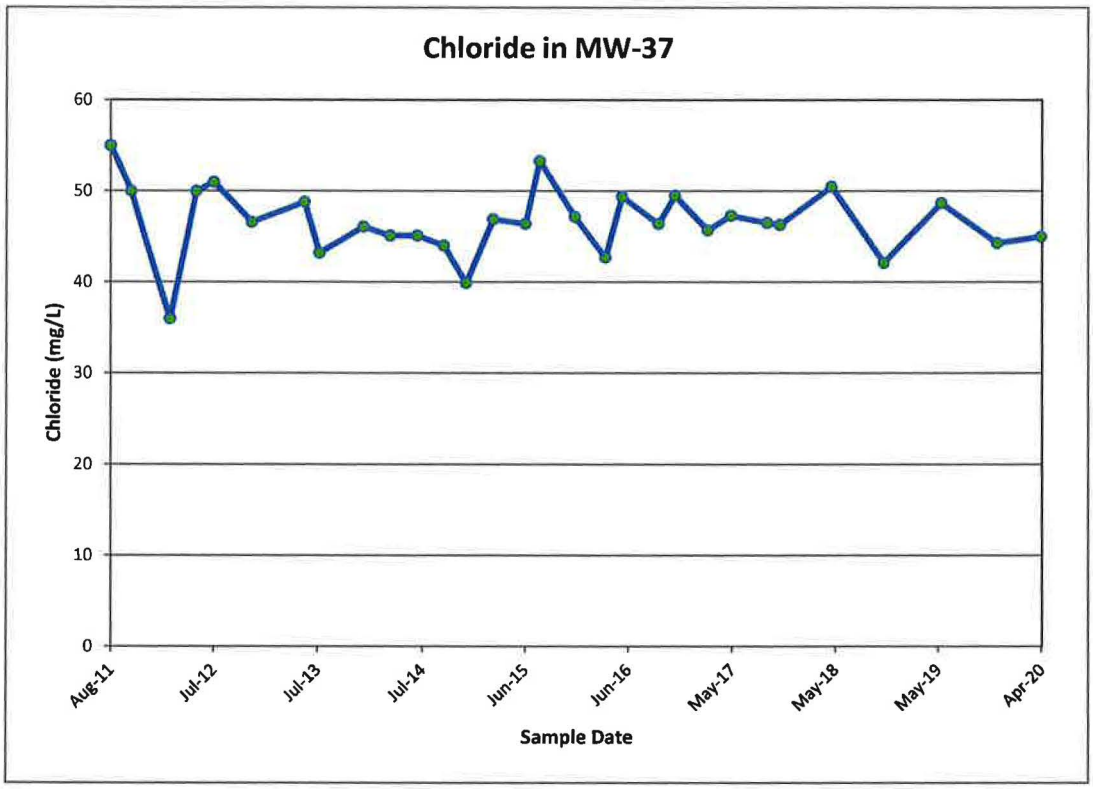


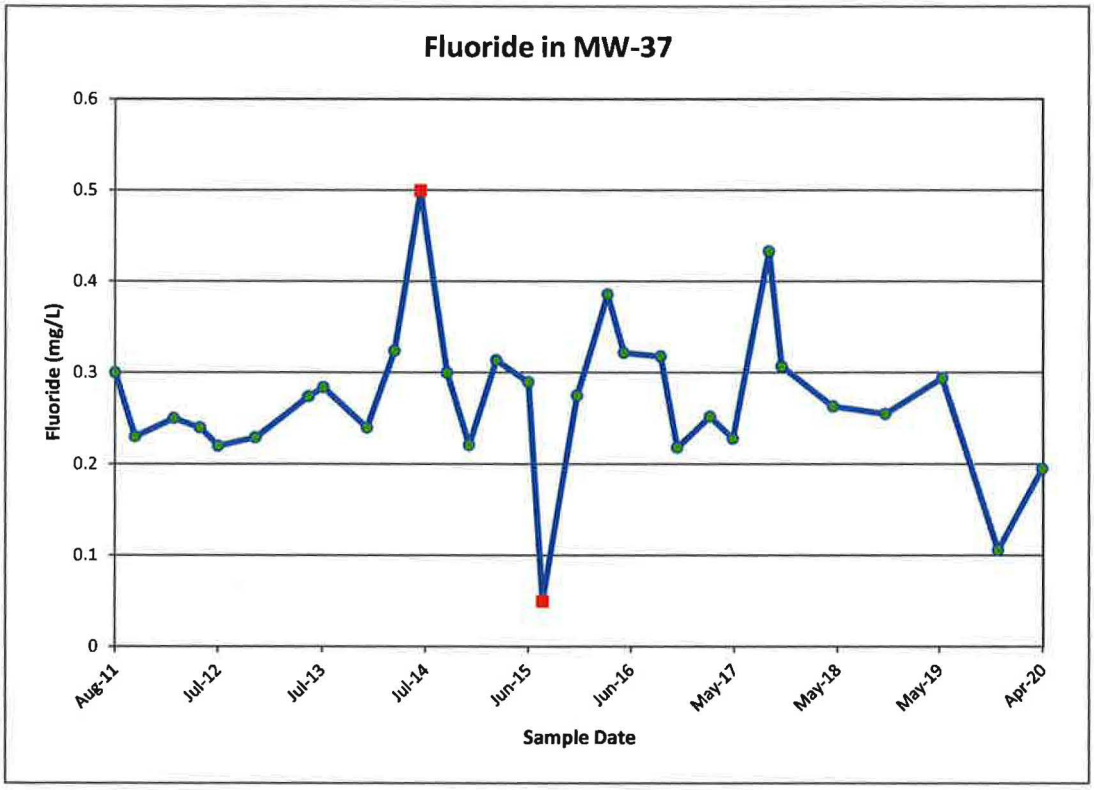


Detected Values

Non-Detected Values

Time concentration plots for MW-37

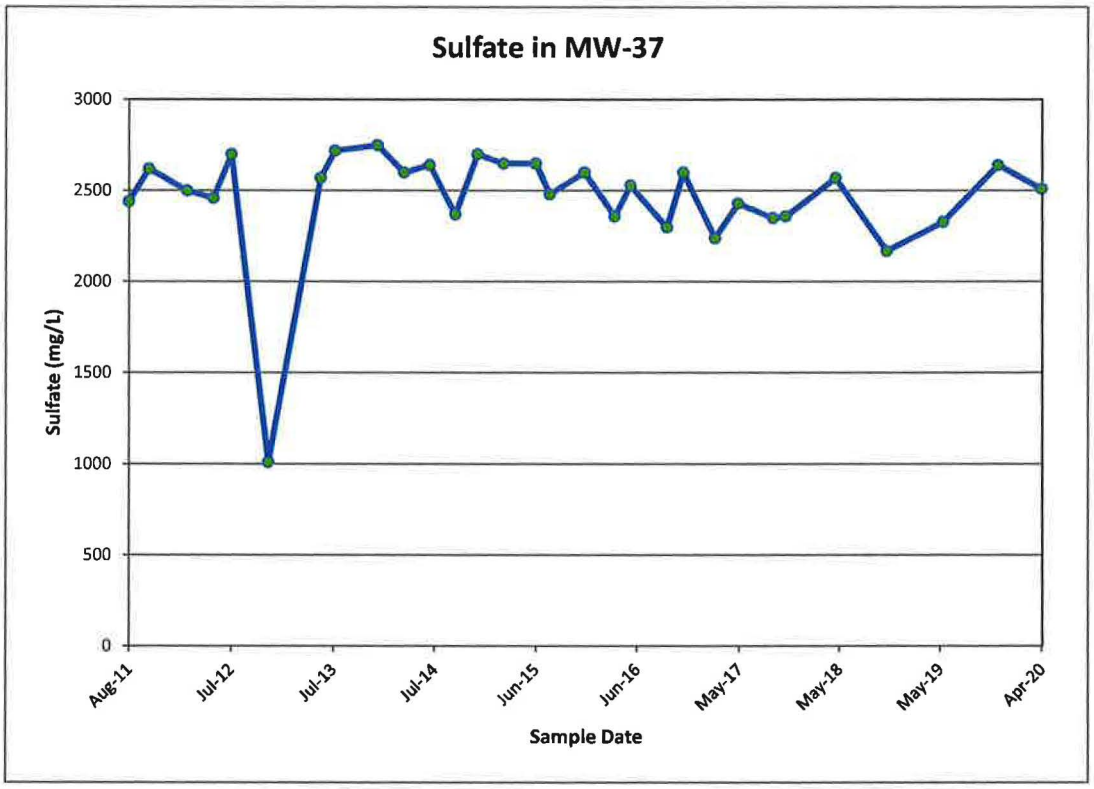


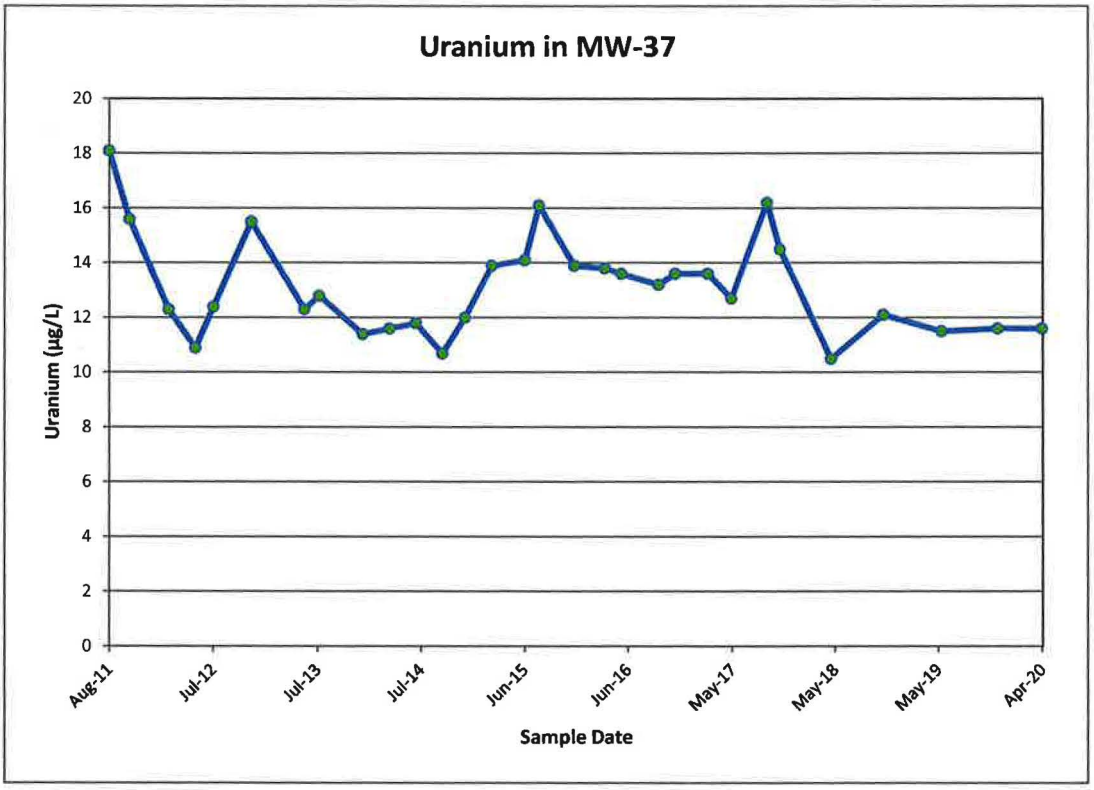


Detected Values

Non-Detected Values

Time concentration plots for MW-37

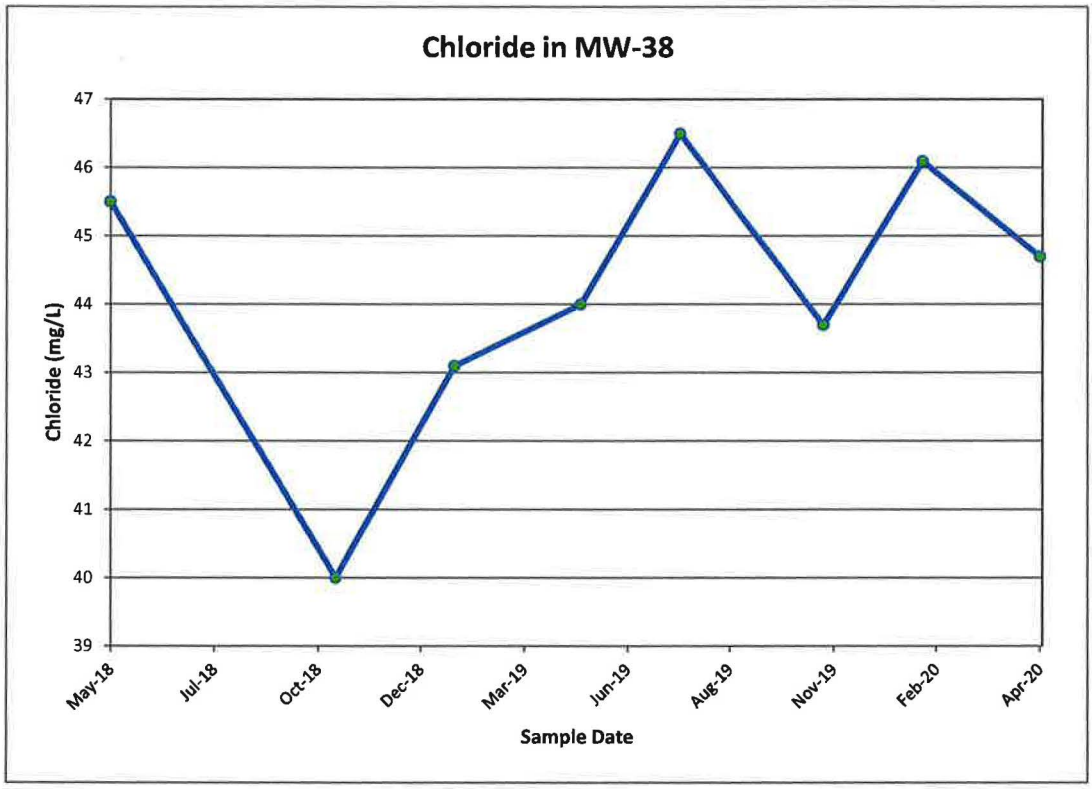


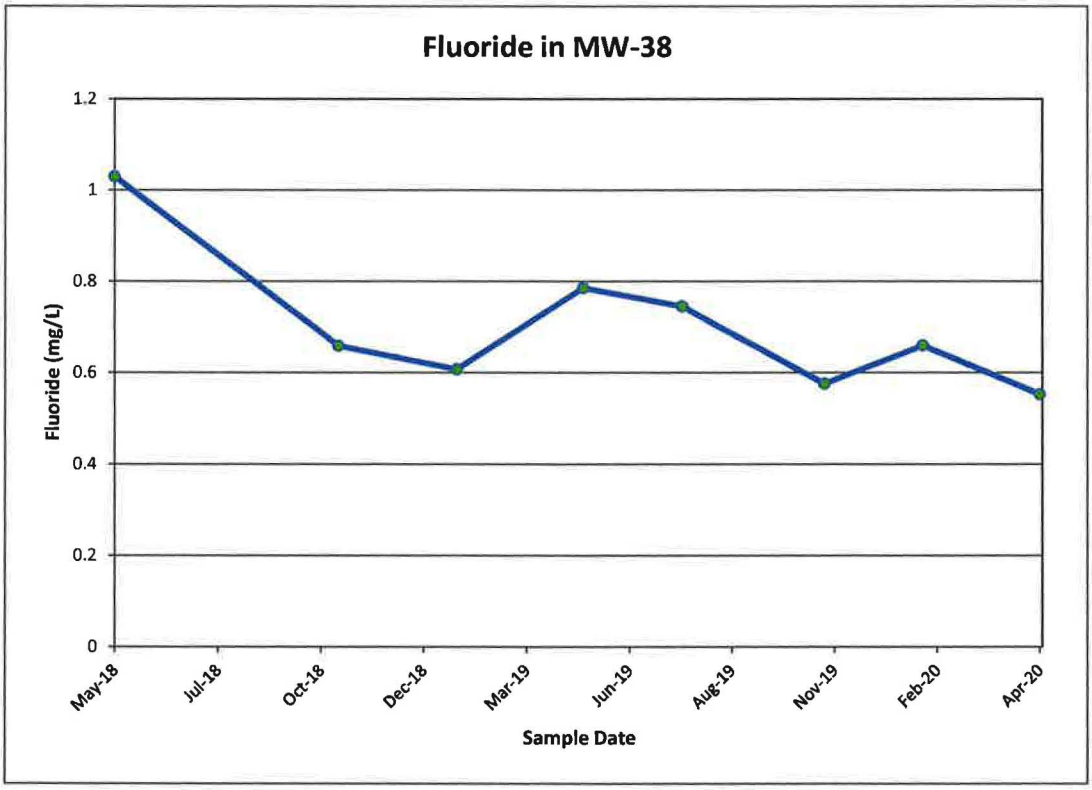


Detected Values

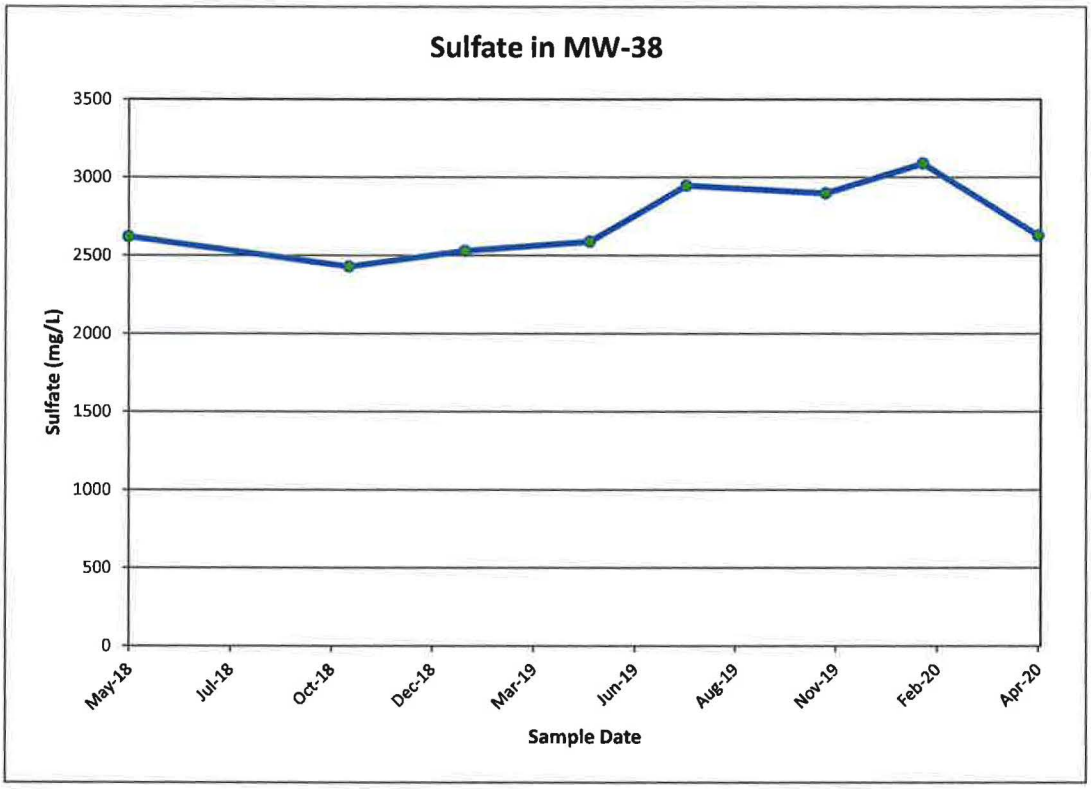
Non-Detected Values

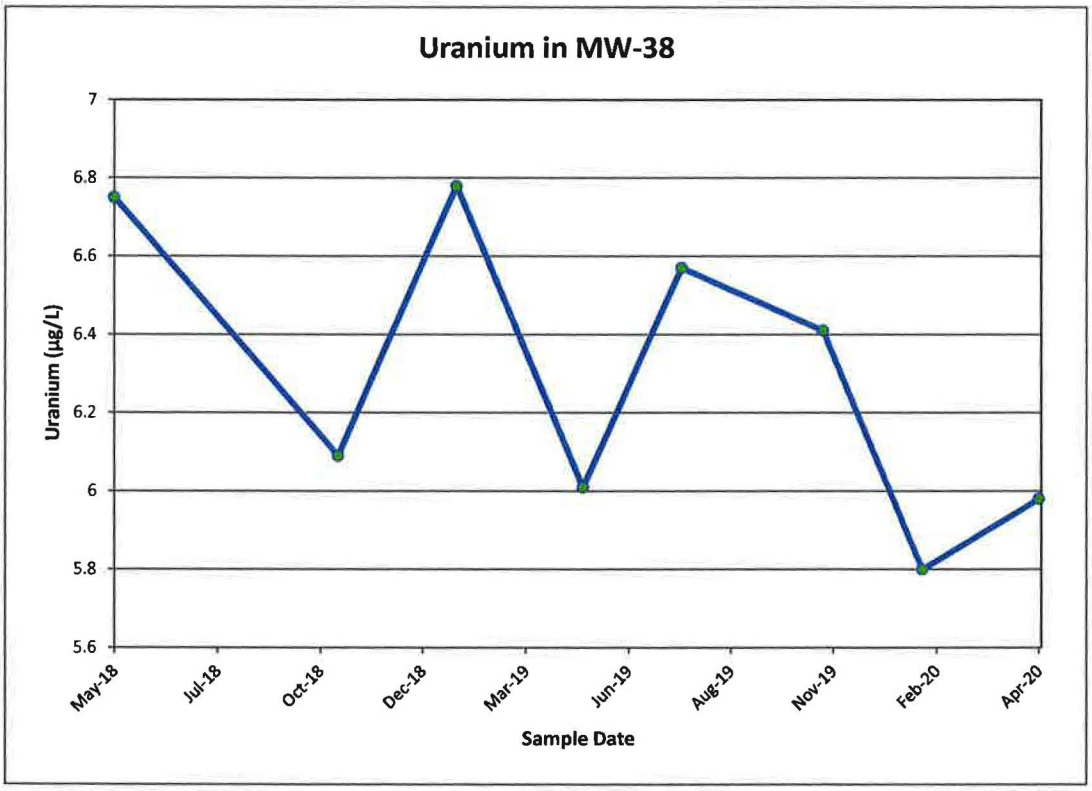
Time concentration plots for MW-38





Time concentration plots for MW-38

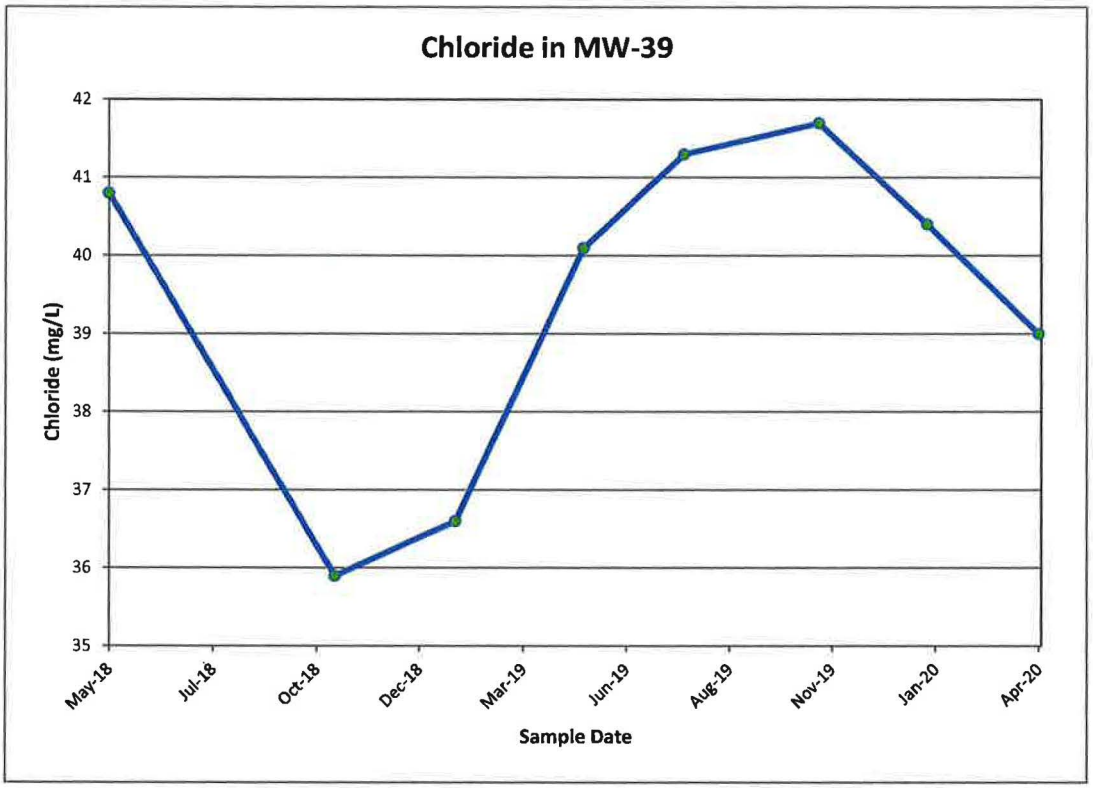


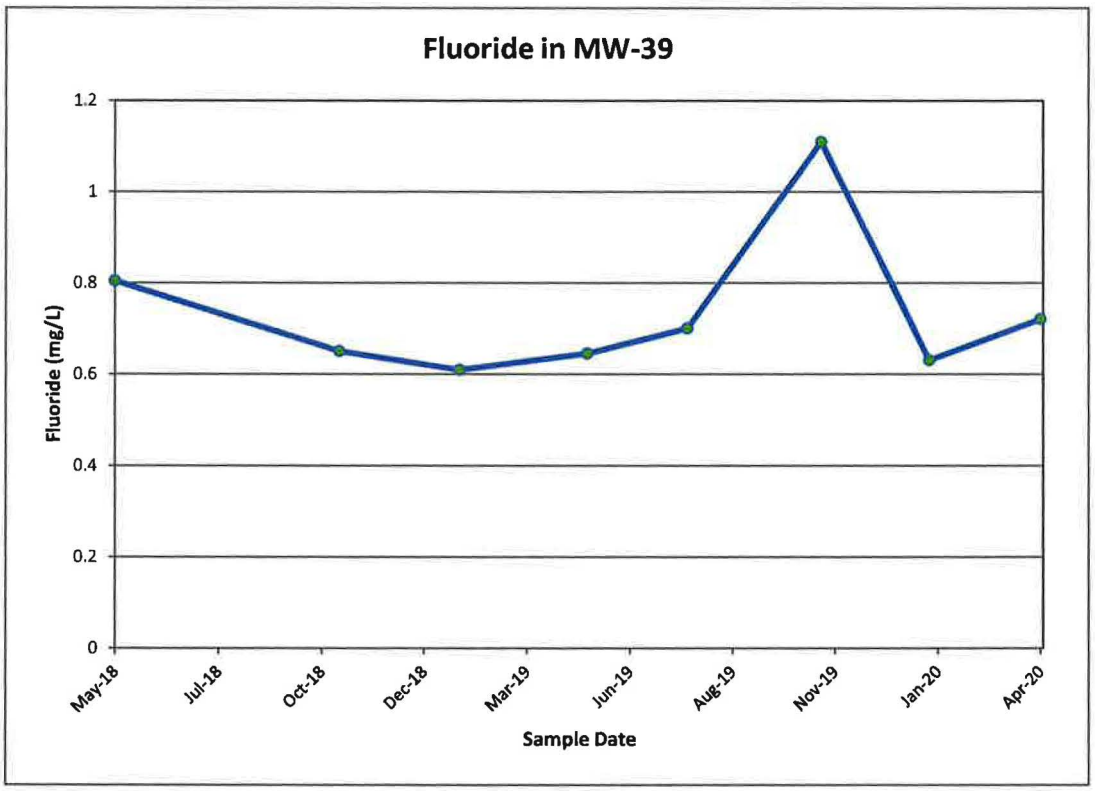


Detected Values

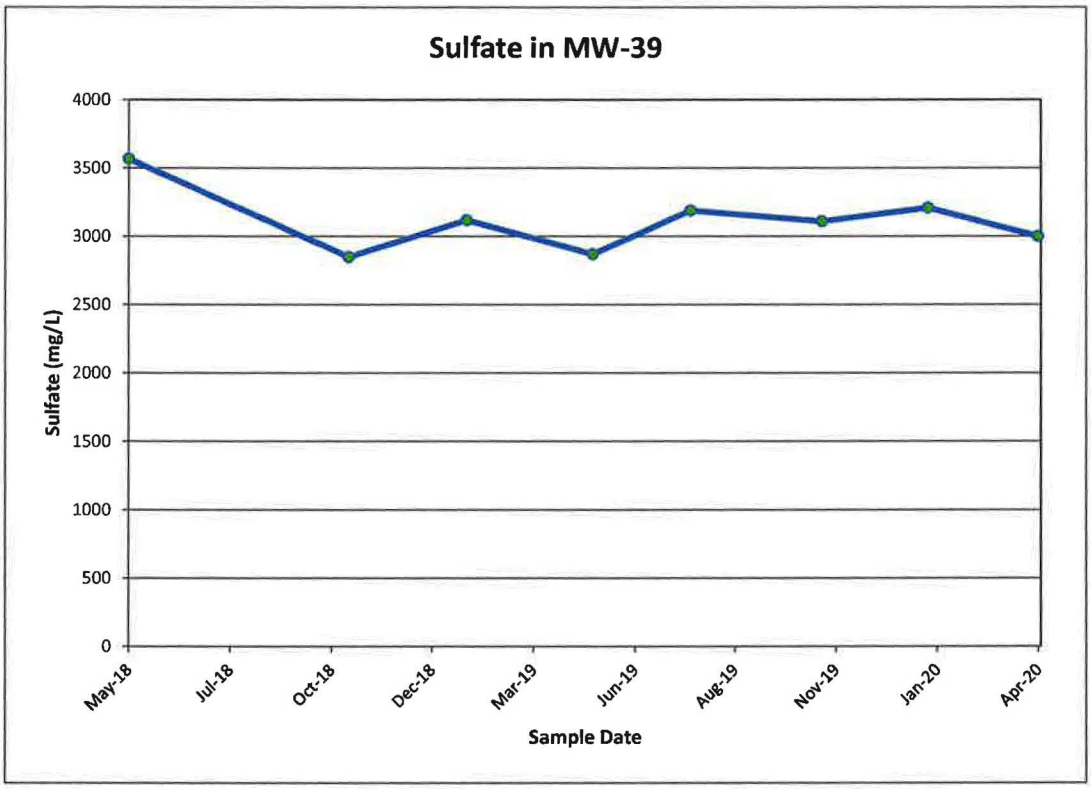
Non-Detected Values

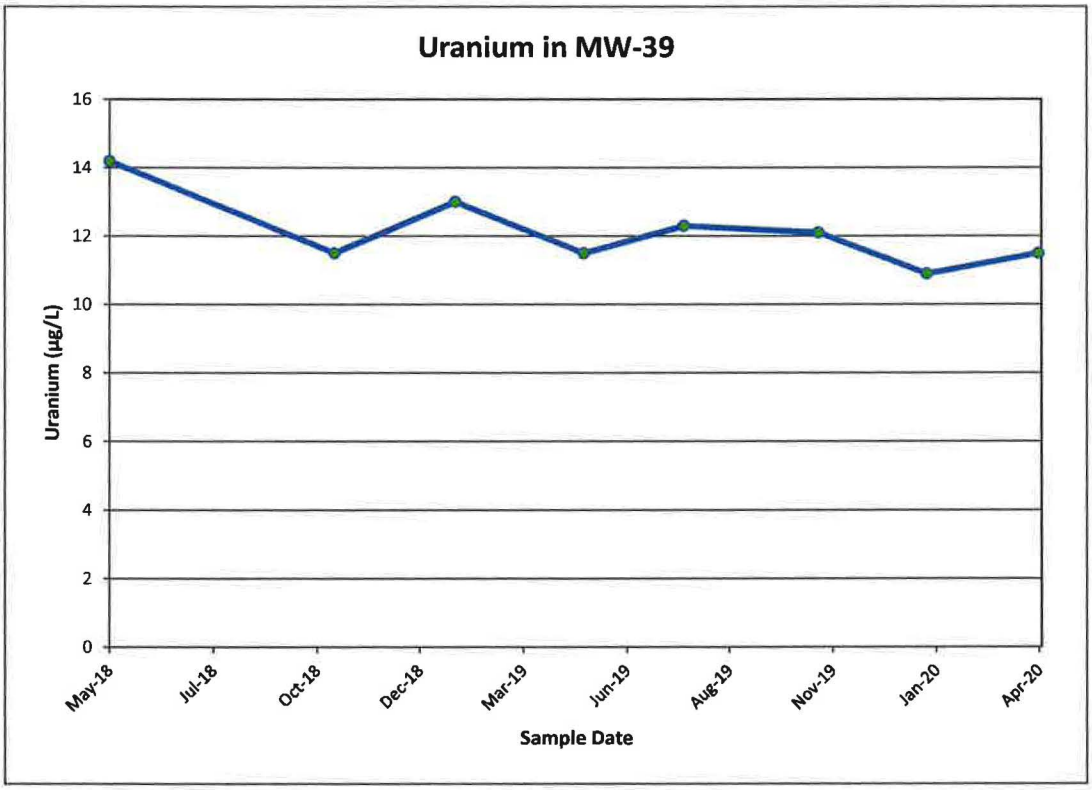
Time concentration plots for MW-39



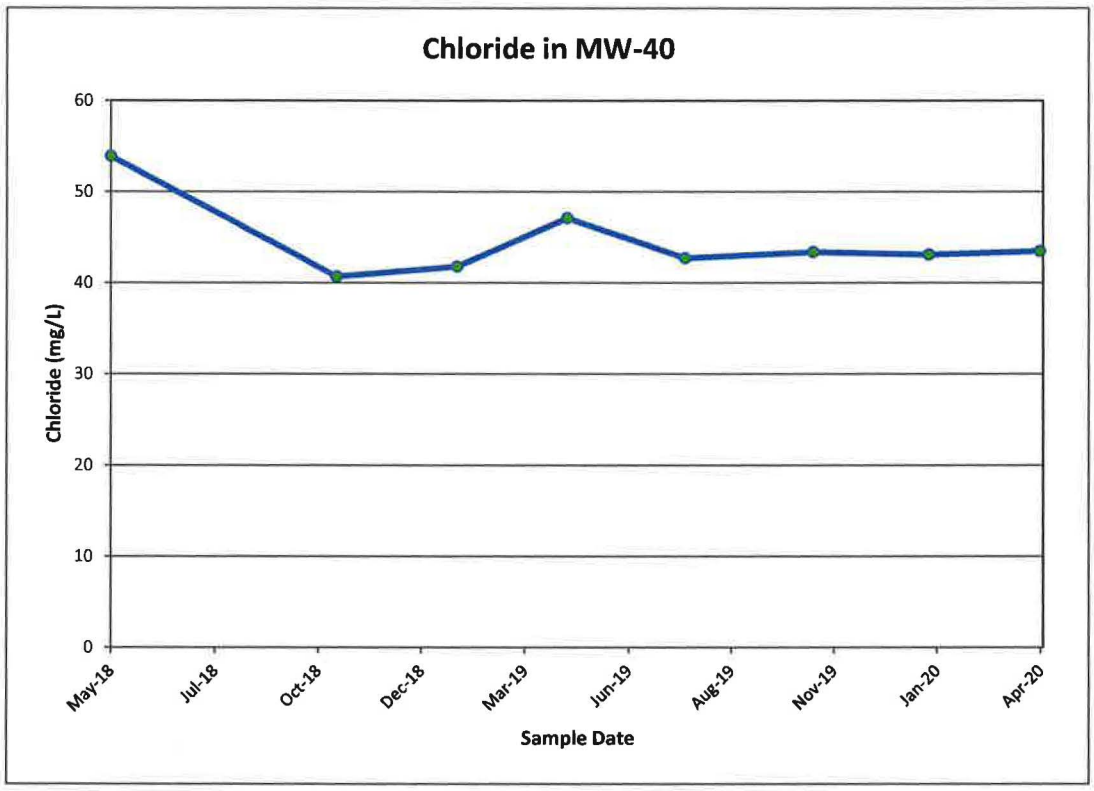


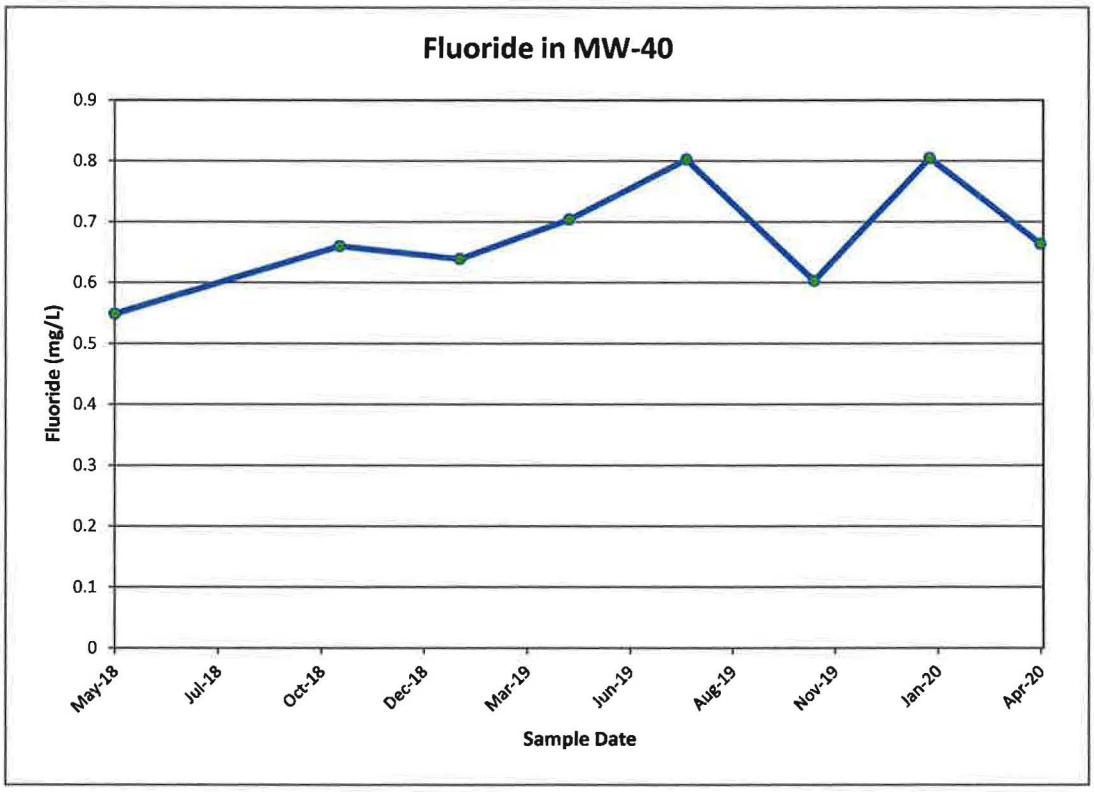
Time concentration plots for MW-39



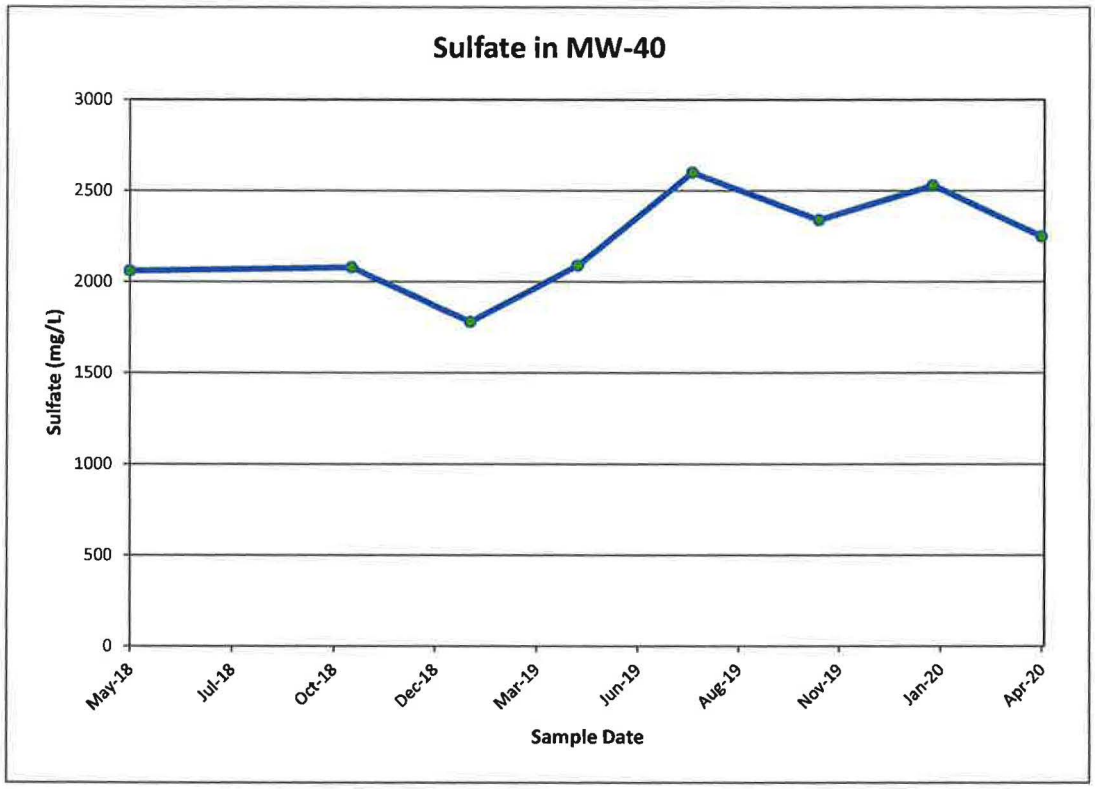


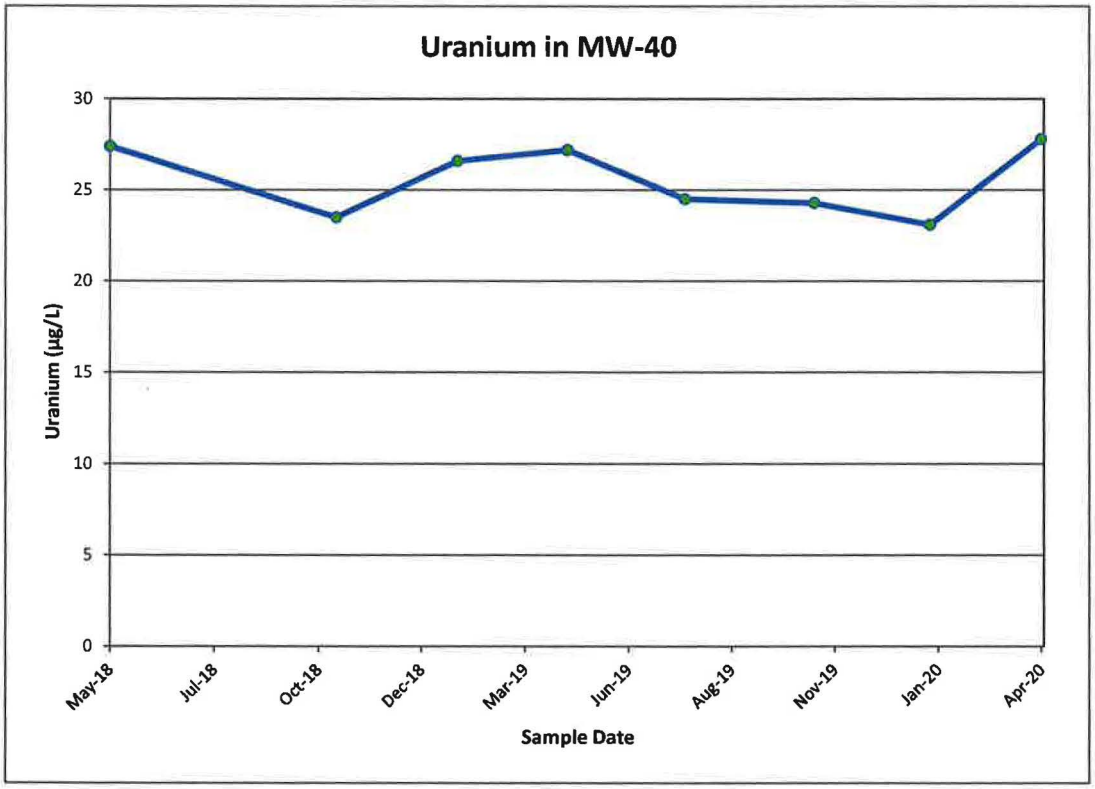
Time concentration plots for MW-40



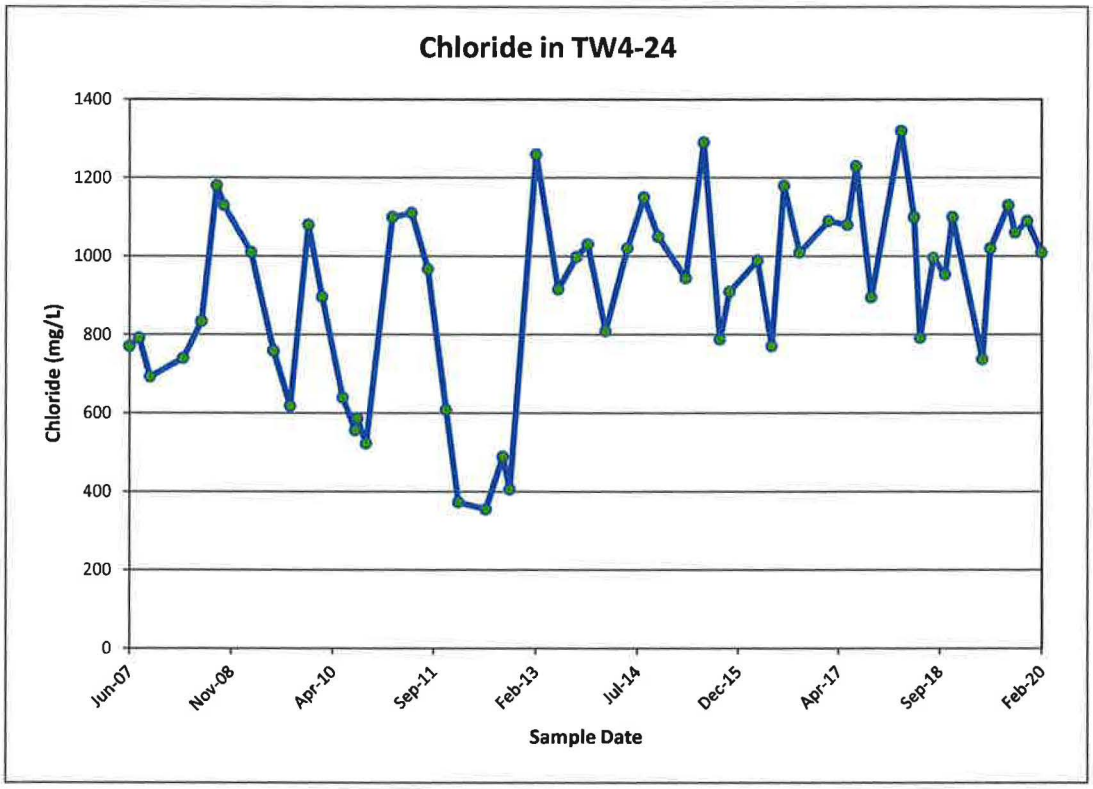


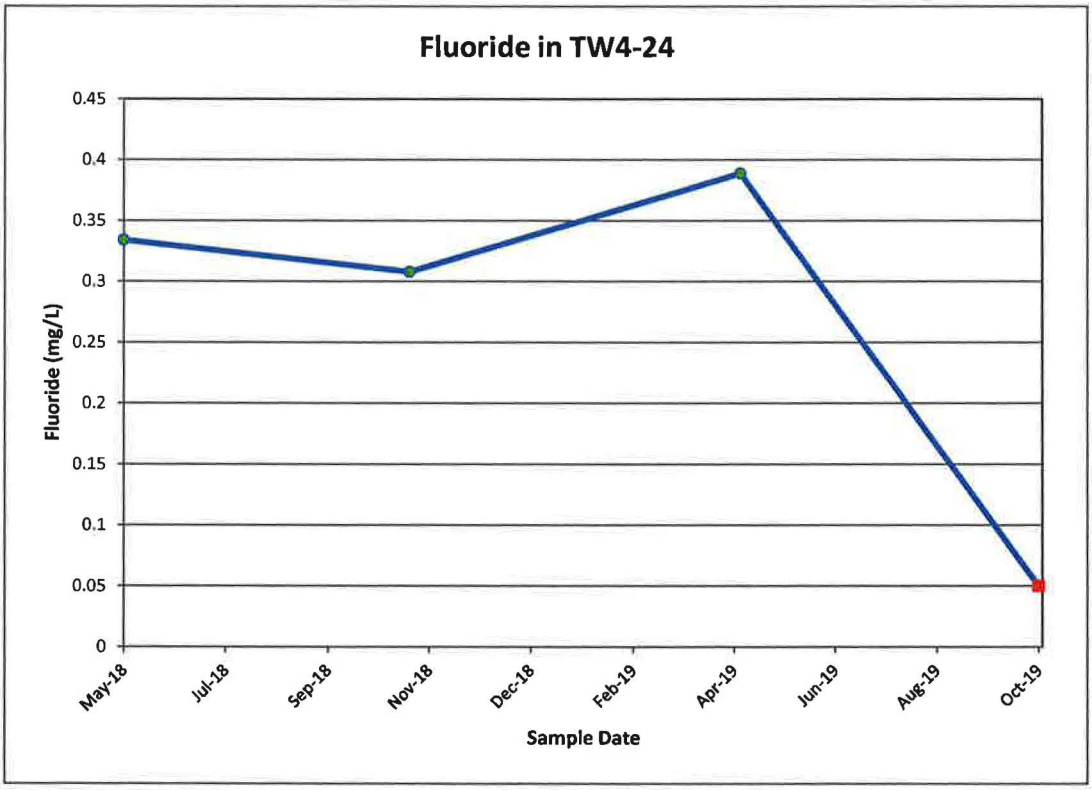
Time concentration plots for MW-40





Time concentration plots for TW4-24

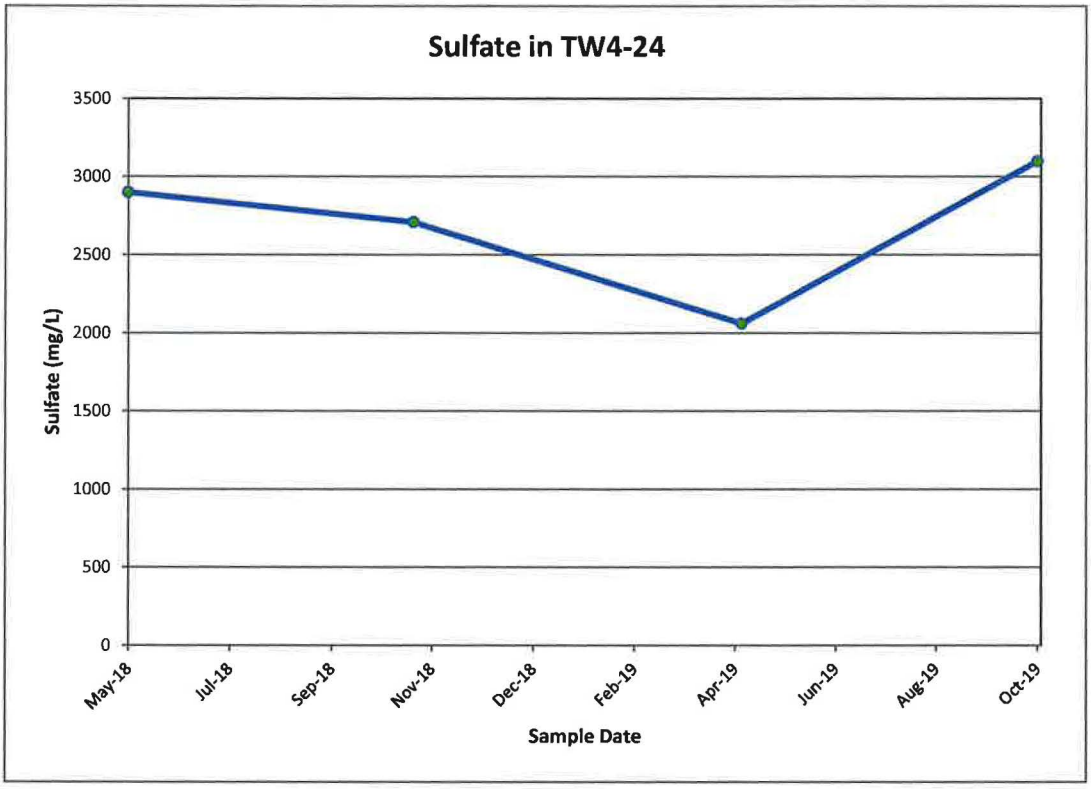


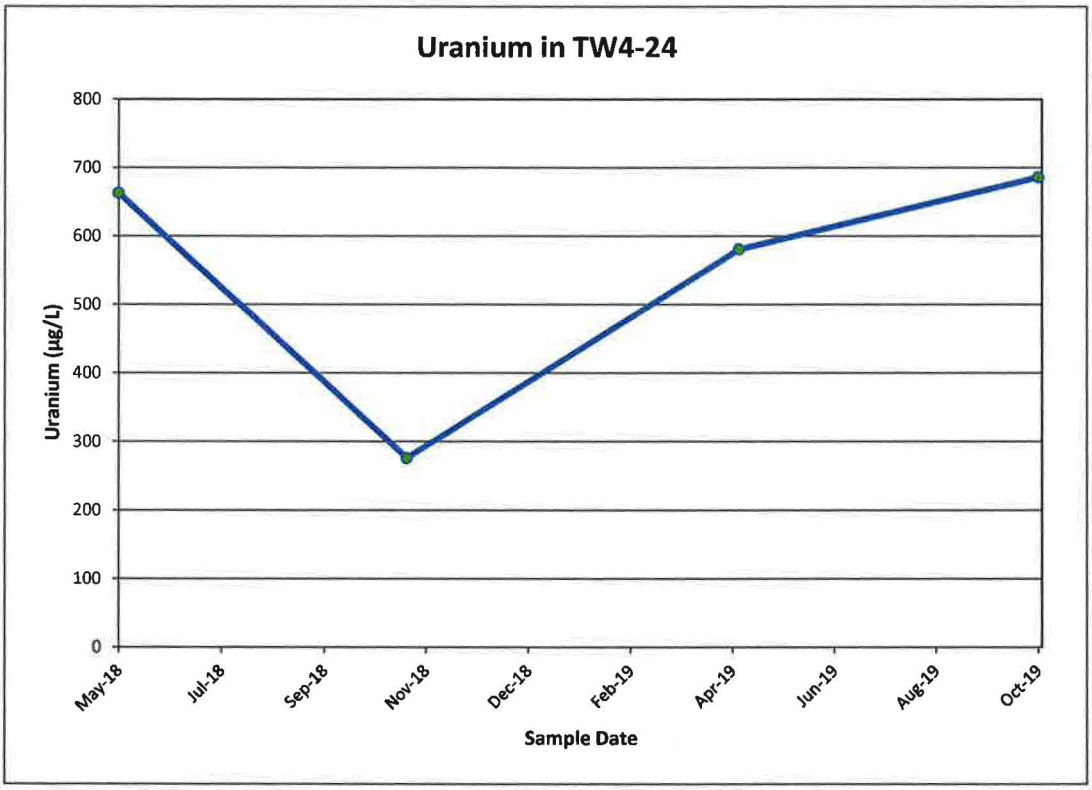


Detected Values

Non-Detected Values

Time concentration plots for TW4-24





Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Tuesday, August 18, 2020 8:59 AM
To: Phillip Goble
Cc: 'Thomas Rushing'; David Frydenlund; Logan Shumway; Scott Bakken; Terry Slade; Paul Goranson
Subject: Transmittal of CSV Files White Mesa Mill 2020 Q2 Groundwater Monitoring
Attachments: Q2 2020 Analytical Data.csv; Q2 2020 DTW all programs.csv; Q2 2020 Field Data.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for groundwater monitoring conducted at the White Mesa Mill during the second quarter of 2020, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel

Energy Fuels Resources (USA) Inc.

Kathy Weinel
Quality Assurance Manager

t: 303.389.4134 | f: 303.389.4125
225 Union Blvd., Suite 600
Lakewood, CO 80228

http://www.energyfuels.com

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