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DRC-2021-018843

October 28, 2021

Div of Waste Management
and Radiation Control

NOV 04 2021

Sent VIA OVERNIGHT DELIVERY

Mr. Doug Hansen
Director
Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
Salt Lake City, UT 84116

**Re: Transmittal of 3rd Quarter 2021 Groundwater Monitoring Report
Groundwater Quality Discharge Permit UGW370004 White Mesa Uranium Mill**

Dear Mr. Hansen:

Enclosed are two copies of the White Mesa Uranium Mill Groundwater Monitoring Report for the 3rd Quarter of 2021 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,

A handwritten signature in cursive script that reads 'Kathy Weinel'.

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

cc: David Frydenlund
Scott Bakken
Logan Shumway
Garrin Palmer



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White Mesa Uranium Mill
Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

3rd Quarter
(July through September)
2021

Prepared by:



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

October 28, 2021

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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 third quarter of 2021 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 both quarterly 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 as well as semi-annual wells which are sampled on an accelerated quarterly schedule due to exceedances reported in previous quarterly reports. Wells which are sampled routinely every quarter were analyzed for the parameters listed in Table 2 and Part I.E.1.d) 2)ii of the GWDP dated March 8, 2021. The semi-annual wells which have been accelerated to quarterly are analyzed only for those parameters which exceeded the Groundwater Compliance Limits (“GWCLs”) in Table 2 described in previous reports and Exceedance Notices.

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 and previous Exceedance Notices.

As a result of the issuance of a revised GWDP on March 8, 2021, which sets revised GWCLs, requirements to perform accelerated monitoring under Part I.G.1 of the previous GWDP ceased effective on March 8, 2021, and the effect of the issuance of the revised GWDP was to create a “clean slate” for constituents in some wells going forward. The GWCLs for some constituents were not ‘reset” and continued on an accelerated sampling frequency as shown on 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 March 19, 2019 GWDP Part 1.H.2 and quarterly sampling commenced in fourth quarter 2018. The March 19, 2019 GWDP Part 1.H.3 required the completion of a background report for each of these wells after the completion of 8 quarters of sampling. The background reports and resultant GWCLs are to be calculated based on 8 statistically valid data points.

The background report for wells MW-38, MW-39 and MW-40 was submitted to DWMRC on March 4, 2021.

2.1.4 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.

2.1.5 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 groundwater monitoring wells (including general monitoring wells, quarterly and semi-annual monitoring wells, 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 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 American West Analytical Laboratories (“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 DWMRC-approved flowchart included in the *Revised Background Groundwater Quality Report: Existing Wells for Denison Mines (USA) Corp.’s White Mesa Uranium Mill Site, San Juan County, Utah*. GWCLs that reflect this background groundwater quality have been set for compliance monitoring wells except MW-38, MW-39, and MW-40. As discussed in Section 2.1.3 above, EFRI submitted the background report for MW-38, MW-39, and MW-40 March 4, 2021.

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 as modified under the renewed GWDP.

As a result of the issuance of a revised GWDP on March 8, 2021, which sets revised GWCLs, requirements to perform accelerated monitoring under Part I.G.1 of the previous GWDP ceased effective on March 8, 2021, and the effect of the issuance of the revised GWDP was to create a “clean slate” for constituents in some wells going forward. The GWCLs for some constituents were not ‘reset’ and continued on an accelerated sampling frequency as shown on Table 2.

Exceedances of the GWCLs for this quarter are listed in Table 2 for sampling required under the both GWDPs. Accelerated requirements resulting from this quarter are highlighted for ease of reference. Table 3 documents the accelerated sampling program since the issuance of the March 19, 2019 GWDP. Because the quarter was split between two GWDPs, the information has been retained for this quarter. Beginning with the second quarter report, Table 3 will be limited to only the information collected starting March 8, 2021.

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.

2.3.3 Compliance Status

MW-12

MW-12 is west of MW-05 on the dike between Cell 3 and Cell 4B. When wells MW-05 and MW-12 were installed the top of the casing (“TOC”) for both wells was above the ground surface by several feet. During the construction of the dike of Cell 4B several feet of fill dirt was placed around MW-05 and MW-12. MW-05 and MW-12 were not extended and the TOC of both MW-05 and MW-12 was slightly below the ground surface. MW-05 was extended in May 2017 in response to variable uranium concentrations likely caused by dust and dirt entering the well during sampling activities.

Since MW-12 has reported exceedances of uranium similar to MW-05 and due to the proximity of MW-12 to MW-05, prior to completing a Source Assessment Report (“SAR”), EFRI believes it is appropriate to first address potential physical causes.

In an effort to address potential physical causes of the exceedances, EFRI made changes to the casing and surrounding area in October 2020. The TOC for MW-12 was slightly below the ground surface and may have inadvertently allowed dust and dirt to enter the well during sampling activities. To address this issue EFRI extended the TOC several feet and regraded the area surrounding the well. After the TOC was extended, the well was overpumped to remove any dirt which may have been introduced during these field activities. These activities were completed after the third quarter 2020 sampling event was conducted.

EFRI submitted a Plan and Time Schedule as required by the GWDP for MW-12 to address consecutive exceedances of uranium and selenium in MW-12. The Plan and Time Schedule stated that EFRI would continue accelerated monitoring of selenium and uranium in MW-12 for four quarters beginning with the fourth quarter 2020 through the third quarter 2021. Progress and results will be discussed in the routine quarterly groundwater reports. The Plan and Time Schedule noted that future actions, if necessary, will be discussed in the third quarter 2021 groundwater report and that if the exceedances continue, a separate P&TS will be submitted for DWMRC approval.

The third quarter MW-12 results for selenium and uranium were below their respective GWCLs. No further actions for MW-12 are required and no additional Plan and Time Schedule or SAR are required at this time. Results for MW-12 will continue to be reported in the quarterly reports until 8 consecutive results below the GWCL have been collected at which time, EFRI will request removal of those parameters from accelerated monitoring.

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 8, 2021, which sets revised GWCLs for some constituents, requirements to perform accelerated monitoring under Part I.G.1 of the previous GWDP for certain constituents ceased effective March 8, 2021, and the effect of the issuance of the revised GWDP was to create a “clean slate” for certain constituents in a limited list of wells going forward.

This means that accelerated monitoring during this quarter was required under the revised GWDP for constituents which did not have revised GWCLs included in the current GWDP.

2.4.3 Compliance Status

Analytes that have exceeded the GWCLs for this quarter as 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. Table 3 summarizes the results of the accelerated sampling program since the March 19, 2019 GWDP for the reasons stated in Section 2.3.2 above.

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 Director 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:

One duplicate sample was 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 of the monthly sampling events 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.

One trip blank was 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, dissolved oxygen ("DO") 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, DO, and turbidity) except for the following wells that were purged to dryness: MW-24, MW-24A and MW-38.

MW-24, MW-24A, 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 the QAP. MW-24, MW-24A, and MW-38 were purged to dryness 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 the QAP for well MW-24, MW-24A, and MW-38.

Additionally, two casing volumes were not purged from MW-26, prior to sampling because MW-26 is a continuously pumped well. 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-11, MW-25, MW-29, and MW-32. 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-31 in the August monthly event and MW-11 in the September monthly event. Turbidity measurements prior to sampling were within a 10% RPD for the accelerated sampling wells.

The other field parameters (conductance, pH, redox potential, 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 are 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.

All accelerated 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 for the quarterly and semi-annual samples were within the acceptance limits specified in the QAP except for cadmium and zinc in duplicate pair MW-14/MW-65. The cadmium and zinc results were greater than 20% RPD, however, the sample and duplicate results were not greater than 5 times the RL and as such are acceptable. Field duplicate results are shown in Attachment G.

The duplicate results were within a 20% RPD in the accelerated samples except for total dissolved solids ("TDS") in duplicate pair MW-31/MW-65. The approved QAP specifies a separate corrective action for duplicate RPDs outside of acceptance limits. The revised procedure for duplicate results outside of acceptance limits was implemented for the results outside of the acceptance limits. The corrective actions that were taken in accordance with the QAP procedure are as follows: the QA Manager contacted the Analytical Laboratory and requested a review of the raw data to assure that there were no transcription errors and the data were accurately reported. The laboratory noted that the data were accurate and reported correctly. Reanalysis was not completed as the samples were out of holding time. 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 require that gross alpha analysis be reported with an activity equal to or greater than the GWCL and shall have a counting variance that is 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.

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.

Results of quarterly and semi-annual, radiologic sample QC are provided under Tab G. The quarterly and semi-annual sample results met the duplicate counting error requirements specified in the QAP.

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 was 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 for the LCS compounds as noted in Tab G.

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 method blanks for the quarterly samples and the accelerated samples reported no detections of any analyte. 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 are included in the analytical data.

The information from the Laboratory QA/QC Summary Reports indicates that there were Continuing Calibration Verification (“CCV”) samples outside of the laboratory acceptance limits.

The information from the Laboratory QA/QC Summary Reports indicates that there were low Continuing Calibration Verification (“CCV”) recoveries for 2-butanone. The CCV recovery affected samples MW-11, MW-14, MW-24, MW-24A, MW-25, MW-26, MW-30, MW-31, MW-36, MW-39, MW-40, MW-65, and the trip blank. The data were flagged in accordance with the changes specified in EPA Method 8260D. The flagging requirements are new to the revised method and do not adversely affect the data. The data are usable for the intended purpose because butanone has not been detected in samples collected at the Mill and the data are accurate.

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

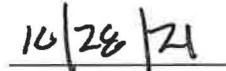
This document was prepared by Energy Fuels Resources (USA) Inc.

Energy Fuels Resources (USA) Inc.

By:



Scott A. Bakken
Vice President, 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 A. Bakken
Vice President, Regulatory Affairs
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for Q3 2021

| Well | Normal Frequency | Purpose for sampling this quarter | Sample Date | Date of Lab Report |
|-------------------------------|------------------|-----------------------------------|-------------|-------------------------|
| MW-11 | Quarterly | Quarterly | 7/27/2021 | (8/24/2021) [8/27/2021] |
| MW-12 | Semi-annually | Semi-annually | 7/21/2021 | (8/10/2021) |
| MW-14 | Quarterly | Quarterly | 7/27/2021 | (8/24/2021) [8/27/2021] |
| MW-24 | Semi-annually | Semi-annually | 7/29/2021 | (8/24/2021) [8/27/2021] |
| MW-24A | Semi-annually | Semi-annually | 7/29/2021 | (8/24/2021) [8/27/2021] |
| MW-25 | Quarterly | Quarterly | 7/28/2021 | (8/24/2021) [8/27/2021] |
| MW-26 | Quarterly | Quarterly | 7/28/2021 | (8/24/2021) [8/27/2021] |
| MW-27 | Semi-annually | Semi-annually | 7/22/2021 | (8/16/2021) (9/30/2021) |
| MW-28 | Semi-annually | Semi-annually | 7/23/2021 | (8/16/2021) (9/30/2021) |
| MW-29 | Semi-annually | Semi-annually | 7/22/2021 | (8/16/2021) (9/30/2021) |
| MW-30 | Quarterly | Quarterly | 7/29/2021 | (8/24/2021) [8/27/2021] |
| MW-31 | Quarterly | Quarterly | 7/27/2021 | (8/24/2021) [8/27/2021] |
| MW-32 | Semi-annually | Semi-annually | 7/28/2021 | (8/24/2021) |
| MW-36 | Quarterly | Quarterly | 7/27/2021 | (8/24/2021) [8/27/2021] |
| MW-38 | Quarterly | Background | 7/29/2021 | (8/24/2021) [8/27/2021] |
| MW-39 | Quarterly | Background | 7/28/2021 | (8/24/2021) [8/27/2021] |
| MW-40 | Quarterly | Background | 7/28/2021 | (8/24/2021) [8/27/2021] |
| MW-65 | 1 per Batch | Duplicate of MW-14 | 7/27/2021 | (8/24/2021) [8/27/2021] |
| Accelerated August Monthly | | | | |
| MW-11 | Monthly | Accelerated | 8/10/2021 | (8/30/2021) |
| MW-26 | Monthly | Accelerated | 8/10/2021 | (8/30/2021) |
| MW-30 | Monthly | Accelerated | 8/9/2021 | (8/30/2021) |
| MW-31 | Monthly | Accelerated | 8/9/2021 | (8/30/2021) |
| MW-65 | Monthly | Duplicate of MW-30 | 8/9/2021 | (8/30/2021) |
| Accelerated September Monthly | | | | |
| MW-11 | Monthly | Accelerated | 9/7/2021 | (9/24/2021) |
| MW-26 | Monthly | Accelerated | 9/9/2021 | (9/24/2021) |
| MW-30 | Monthly | Accelerated | 9/8/2021 | (9/24/2021) |
| MW-31 | Monthly | Accelerated | 9/7/2021 | (9/24/2021) |
| MW-65 | 1 per Batch | Duplicate of MW-31 | 9/7/2021 | (9/24/2021) |

Notes:
When more than 1 date is shown for a certain laboratory, the date(s) in italics are the resubmission dates. Resubmissions were required to correct reporting errors or to address reanalyses.

Date in parenthesis depicts the date that data were reported from American West Analytical Laboratories (AWAL).

Date in brackets depicts the date the data were reported from 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) | Total Dissolved Solids (mg/L) | 2528 | 2680 | Quarterly | Monthly | Q3 2021 | November 2021 |
| | Manganese (ug/L) | 237 | 376 | Quarterly | Monthly | Q3 2021 | November 2021 |
| | 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-25 (Class III) | Total Dissolved Solids (mg/L) | 2976 | 3100 | Quarterly | Monthly | Q3 2021 | November 2021 |
| 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 |
| | Total Dissolved Solids (mg/L) | 3284.19 | 3390 | Quarterly | Monthly | Q3 2021 | November 2021 |
| | Chloride (mg/L) | 58.31 | 72 | Quarterly | Monthly | Q1 2010 | May 2010 |
| | Carbon Tetrachloride (ug/L) | 5 | 26.1 | Quarterly | Monthly | Q1 2021 | Q2 2021 |
| | Methylene Chloride (ug/L) | 5 | 6.59 | Quarterly | Monthly | Q3 2020 | August 2020 |
| 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 |
| | Total Dissolved Solids (mg/L) | 1918 | 2010 | Quarterly | Monthly | Q3 2021 | November 2021 |
| | Selenium (ug/L) | 53.6 | 56.3 | Quarterly | Monthly | Q1 2021 | Q2 2021 |
| | Uranium (ug/L) | 9.82 | 10.2 | Quarterly | Monthly | Q1 2021 | Q2 2021 |
| 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 |
| 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 |
| | Gross Alpha (pCi/L) | 7.5 | 9.03 | Semi-Annually | Quarterly | Q4 2020 | Q3 2021 |
| | TDS (mg/L) | 4450 | 4460 | Semi-Annually | Quarterly | Q2 2021 | Q3 2021 |
| 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 |
| | 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-29 (Class III) | Uranium (ug/L) | 15 | 15.3 | Semi-Annually | Quarterly | Q4 2020 | Q3 2021 |
| MW-32 (Class III) | Chloride (mg/L) | 35.99 | 36.3 | Semi-Annually | Quarterly | Q2 2014 (Q1 2015) | Q2 2014 |

Notes:

Highlighted text shows accelerated requirements resulting from Q3 2021 sampling event.

Table 3 – GWCL Exceedances under the March 8, 2021 GWDP

| Monitoring Well (Water Class) | Constituent Exceeding GWCL | GWCL in March 8, 2021 GWDP | Q1 2021 Results | | | | | | Q2 2021 Results | | | | | | Q3 2021 Results | | | | | |
|-------------------------------|---------------------------------|----------------------------|------------------------------------|----------------|-----------------------------------|------------------------------|--------------------------------|---------------------------|------------------------------------|----------------|------------------------------|-------------------------|-------------------------------|--------------------------|------------------------------------|----------------|---------------------------------|----------------------------|------------------------------------|-------------------------------|
| | | | Q1 2021 Sample Date | Q1 2021 Result | February 2021 Monthly Sample Date | February 2021 Monthly Result | March 2021 Monthly Sample Date | March 2021 Monthly Result | Q2 2021 Sample Date | Q2 2021 Result | May 2021 Monthly Sample Date | May 2021 Monthly Result | June 2021 Monthly Sample Date | June 2021 Monthly Result | Q3 2021 Sample Date | Q3 2021 Result | August 2021 Monthly Sample Date | August 2021 Monthly Result | September 2021 Monthly Sample Date | September 2021 Monthly Result |
| | | | Required Quarterly Sampling Wells | | | | | | Required Quarterly Sampling Wells | | | | | | Required Quarterly Sampling Wells | | | | | |
| MW-11 (Class II) | Chloride (mg/L) | 39.16 | 1/12/2021 | 46.4 | 2/9/2021 | 46.4 | 3/8/2021 | 46.9 | 4/20/2021 | 47.7 | 5/10/2021 | 46.4 | 6/8/2021 | 52.1 | 7/27/2021 | 48.3 | 8/10/2021 | 57.0 | 9/7/2021 | 49.6 |
| | Manganese (ug/L) | 237 | | 185 | | 254 | | 221 | | 237 | | NA | | NA | | 376 | | NA | | NA |
| | Sulfate (mg/L) | 1309 | | 1140 | | 1260 | | 1270 | | 1290 | | 1280 | | 1270 | | 1470 | | NA | | 1240 |
| | TDS (mg/L) | 2528 | | 2010 | | 2160 | | 1950 | | 2110 | | 2190 | | 1960 | | 2680 | | NA | | NA |
| MW-25 (Class III) | TDS (mg/L) | 2976 | 1/11/2021 | 2660 | NS | NA | NS | NA | 4/14/2021 | 2720 | NS | NA | NS | NA | 7/28/2021 | 3100 | NS | NA | NS | NA |
| MW-26 (Class III) | Nitrate + Nitrite (as N) (mg/L) | 0.62 | 1/14/2021 | 0.619 | 2/10/2021 | 0.764 | 3/9/2021 | 0.617 | 4/21/2021 | 1.42 | 5/11/2021 | 1.06 | 6/8/2021 | 0.368 | 7/28/2021 | 0.352 | 8/10/2021 | 1.42 | 9/9/2021 | 0.710 |
| | Chloroform (ug/L) | 70 | | 2200 | | 1930 | | 2190 | | 777 | | 733 | | 1590 | | 723 | | 996 | | 516 |
| | Chloride (mg/L) | 58.31 | | 57.4 | | 71.3 | | 63.9 | | 57.5 | | 69.6 | | 54.9 | | 54.0 | | 61.4 | | 59.3 |
| | TDS (mg/L) | 3284.19 | | 3100 | | 2700 | | 3060 | | 2790 | | NA | | NA | | 3390 | | NA | | NA |
| | Carbon Tetrachloride | 5 | | 26.1 | | NA | | NA | | <1.00 | | <1.00 | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| | Methylene Chloride (ug/L) | 5 | | 7.65 | | 3.43 | | 1.27 | | <1.00 | | <1.00 | | 1.90 | | <1.00 | | 1.25 | | <1.00 |
| MW-30 (Class II) | Nitrate + Nitrite (as N) (mg/L) | 2.5 | 1/11/2021 | 17.7 | 2/10/2021 | 14.3 | 3/9/2021 | 17.0 | 4/14/2021 | 17.7 | 5/11/2021 | 18.6 | 6/8/2021 | 17.0 | 7/29/2021 | 20.6 | 8/9/2021 | 16.5 | 9/8/2021 | 15.4 |
| | Chloride (mg/L) | 128 | | 184 | | 189 | | 192 | | 162 | | 188 | | 170 | | 188 | | 161 | | 183 |
| | Selenium (ug/L) | 53.6 | | 55.6 | | 55.3 | | 56.3 | | 55.7 | | 58.3 | | 54.1 | | 56.3 | | 56.1 | | 60.4 |
| | TDS (mg/L) | 1918 | | 1660 | | NA | | NA | | 1580 | | NA | | NA | | 2010 | | NA | | NA |
| | Uranium (ug/L) | 9.82 | | 9.86 | | 11.6 | | 10.2 | | 10.3 | | 10.7 | | 9.84 | | 9.60 | | 9.38 | | 9.74 |
| MW-31 (Class III) | Nitrate + Nitrite (as N) (mg/L) | 5 | 1/12/2021 | 17.1 | 2/9/2021 | 14.3 | 3/8/2021 | 17.4 | 4/13/2021 | 18.6 | 5/10/2021 | 18.9 | 6/7/2021 | 20.6 | 7/27/2021 | 18.7 | 8/9/2021 | 15.7 | 9/7/2021 | 16.0 |
| | Sulfate (mg/L) | 993 | | 1070 | | 1130 | | 1210 | | 1170 | | 1200 | | 1170 | | 1210 | | 1130 | | 1130 |
| | TDS (mg/L) | 2132 | | 2460 | | 2960 | | 2400 | | 2300 | | 2610 | | 2400 | | 3100 | | 2600 | | 2870 |
| | Uranium (ug/L) | 15 | | 19.7 | | 22.2 | | 20.2 | | 20.1 | | 21.7 | | 20.8 | | 20.0 | | 19.3 | | 20.2 |
| | Chloride (mg/L) | 143 | | 354 | | 380 | | 388 | | 377 | | 384 | | 374 | | 391 | | 365 | | 356 |
| | | | Required Semiannual Sampling Wells | | | | | | Required Semiannual Sampling Wells | | | | | | Required Semiannual Sampling Wells | | | | | |
| MW-12 (Class III) | Uranium (ug/L) | 23.5 | 1/14/2021 | 25.0 | NS | NA | NS | NA | 4/20/2021 | 22.9 | NS | NA | NS | NA | 7/21/2021 | 22.2 | NS | NA | NS | NA |
| | Selenium (ug/L) | 39 | | 35.1 | | NA | | NA | | 28.8 | | NA | | NA | | 32.4 | | NA | | NA |
| MW-24 (Class III) | Beryllium (ug/L) | 2 | 1/14/2021 | 2.75 | NS | NA | NS | NA | 4/29/2021 | 2.78 | NS | NA | NS | NA | 7/29/2021 | 2.71 | NS | NA | NS | NA |
| | Cadmium (ug/L) | 6.43 | | 8.79 | | NA | | NA | | 8.08 | | NA | | NA | | 9.26 | | NA | | NA |
| | Fluoride (mg/L) | 0.47 | | 0.916 | | NA | | NA | | 0.925 | | NA | | NA | | 1.4 | | NA | | NA |
| | Nickel (mg/L) | 50 | | 70.4 | | NA | | NA | | 72.4 | | NA | | NA | | 76.7 | | NA | | NA |
| | Manganese (ug/L) | 7507 | | 7460 | | NA | | NA | | 7540 | | NA | | NA | | 7890 | | NA | | NA |
| | Thallium (ug/L) | 2.01 | | 2.74 | | NA | | NA | | 3.02 | | NA | | NA | | 2.91 | | NA | | NA |
| | Gross Alpha (pCi/L) | 7.5 | | 2.94 | | NA | | NA | | 3.18 | | NA | | NA | | 1.92 | | NA | | NA |
| | Sulfate (mg/L) | 2903 | | 2980 | | NA | | NA | | 2960 | | NA | | NA | | 3050 | | NA | | NA |
| | TDS (mg/L) | 4450 | | 4260 | | NA | | NA | | 4460 | | NA | | NA | | 4940 | | NA | | NA |
| Field pH (S.U.) | 5.03 - 8.5 | 5.08 | NA | NA | 5.00 | NA | NA | 5.85 | NA | NA | | | | | | | | | | |
| MW-27 (Class III) | Nitrate + Nitrite (as N) (mg/L) | 5.6 | 1/14/2021 | 5.16 | NS | NA | NS | NA | 4/15/2021 | 6.57 | NS | NA | NS | NA | 7/22/2021 | 6.32 | NS | NA | NS | NA |
| MW-28 (Class III) | Chloride (mg/L) | 105 | 1/15/2021 | 128 | NS | NA | NS | NA | 4/15/2021 | 144 | NS | NA | NS | NA | 7/23/2021 | 152 | NS | NA | NS | NA |
| | Selenium (ug/L) | 11.1 | | 14.0 | | NA | | NA | | 13.4 | | NA | | NA | | 18.5 | | NA | | NA |
| | Nitrate + Nitrite (as N) (mg/L) | 5 | | 3.44 | | NA | | NA | | 4.09 | | NA | | NA | | 6.09 | | NA | | NA |
| | Uranium (ug/L) | 4.9 | | 10.3 | | NA | | NA | | 8.52 | | NA | | NA | | 13.80 | | NA | | NA |
| MW-29 (Class III) | Uranium (ug/L) | 15 | 1/15/2021 | 16.9 | NS | NA | NS | NA | 4/14/2021 | 16.2 | NS | NA | NS | NA | 7/22/2021 | 15.8 | NS | NA | NS | NA |
| MW-32 (Class III) | Chloride (mg/L) | 35.39 | 1/14/2021 | 36.9 | NS | NA | NS | NA | 4/13/2021 | 31.8 | NS | NA | NS | NA | 7/28/2021 | 36.5 | NS | NA | NS | NA |

Notes:

NS= Not Required and Not Sampled

NA= Not Applicable

Exceedances are shown in yellow

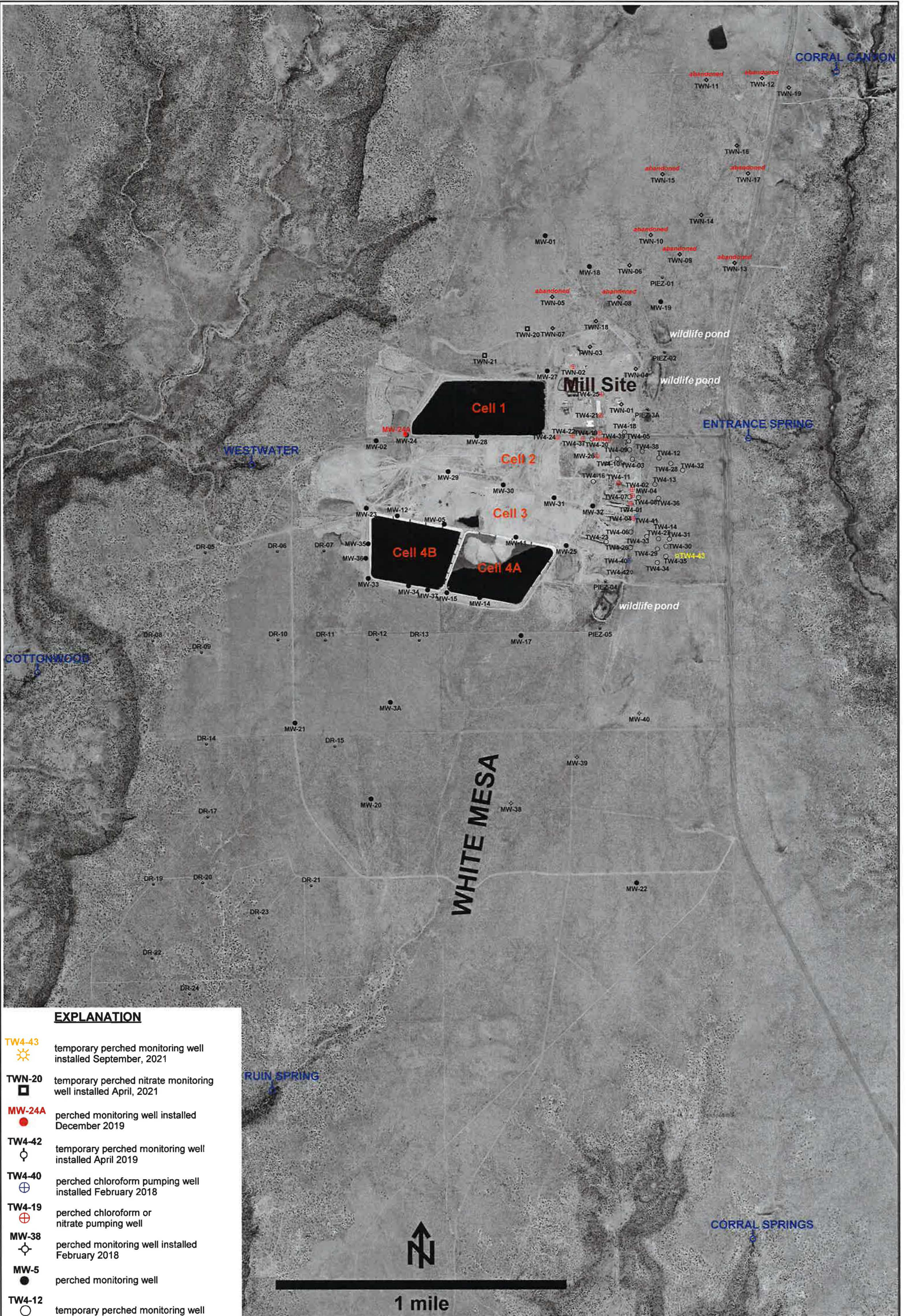
These GWCLs were reset with the issuance of the March 8, 2021 GWDP. The new GWCLs became effective on March 8, 2021 and the first exceedance under the revised GWDP was noted in the March monthly data.

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 - G-8 A/B Radiologics Counting Error
 - G-9A/B Laboratory Matrix QC
- Tab H Kriged Current Quarterly Groundwater Contour Map
- Tab I Groundwater Time Concentration Plots
- Tab J CSV Transmittal Letter

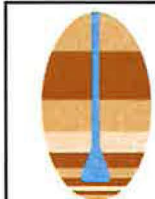
Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

-  TW4-43 temporary perched monitoring well installed September, 2021
-  TWN-20 temporary perched nitrate monitoring well installed April, 2021
-  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
-  RUIIN 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/nov21/Uwelloc0921.srf | A-1 |

Tab B

Field Data Worksheets Quarterly Sampling



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|-----------------|
| Location ID | MW-11 |
| Field Sample ID | MW-11_07272021 |
| Purge Date & Time | 7/27/2021 6:55 |
| Sample Date & Time | 7/27/2021 11:25 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 29.20 |
| Calculated Casing Volumes Purge Duration (min) | 269.14 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 20 |
| Previous Well Sampled | MW-31 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 85.28 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/27/2021 11:22 | 57.93 | 3257 | 7.10 | 15.00 | 500 | 901.0 | 8.6 | |
| 7/27/2021 11:23 | 58.15 | 3261 | 7.13 | 15.00 | 497 | 905.1 | 7.2 | |
| 7/27/2021 11:24 | 58.37 | 3253 | 7.14 | 15.01 | 495 | 913.5 | 7.3 | |
| 7/27/2021 11:25 | 58.59 | 3254 | 7.15 | 14.99 | 494 | 920.6 | 7.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 58.59 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 85.55 |
|-----------------------------|-------|

| | |
|---|------|
| 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 Solids | 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 0650. Purge began at 0655. Purged well for a total of 270 minutes. Purge ended and samples collected at 1125. Water was a little murky with little bubbles surfacing. Left site at 1135.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-12 |
| Field Sample ID | MW-12_07212021 |
| Purge Date & Time | 7/21/2021 11:45 |
| Sample Date & Time | 7/21/2021 13:55 |

| | |
|------------------|------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 13.58 |
| Calculated Casing Volumes Purge Duration (min) | 125.24 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------|
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 28 |
| Previous Well Sampled | MW-26 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.40 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 109.59 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/21/2021 13:52 | 27.55 | 4175 | 6.53 | 16.27 | 461 | 0.0 | 19.9 | |
| 7/21/2021 13:53 | 27.77 | 4170 | 6.57 | 16.21 | 455 | 0.0 | 20.5 | |
| 7/21/2021 13:54 | 27.99 | 4168 | 6.61 | 16.29 | 451 | 0.0 | 21.7 | |
| 7/21/2021 13:55 | 28.21 | 4165 | 6.62 | 16.27 | 449 | 0.0 | 22.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 28.21 |
|-------------------------------|-------|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 123.09 |
|-----------------------------|--------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| AWSL | |

Pumping Rate Calculations

| | |
|--|--------|
| Flow Rate (Q = S/60) (gal/min) | .217 |
| Time to evacuate 2 Casing Volumes (min) | 130.00 |
| 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 - U and Se only | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 (pH<2) | Y |

Comments:

| |
|---|
| Arrived on site at 1142. Purge began at 1145. Purged well for a total of 130 minutes. Purge ended and sample was collected at 1355. Water was clear. Left site at 1401. |
|---|

Signature of Field Technician

Juanne Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-14 |
| Field Sample ID | MW-14_07272021 |
| Purge Date & Time | 7/27/2021 11:59 |
| Sample Date & Time | 7/27/2021 14:50 |

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 17.55 |
| Calculated Casing Volumes Purge Duration (min) | 161.77 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |

| | |
|----------------------------------|-------|
| Sampler | TH/DL |
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 29 |
| Previous Well Sampled | MW-11 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 128.70 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 101.82 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/27/2021 14:47 | 36.23 | 3771 | 7.12 | 15.20 | 484 | 0 | 6.0 | |
| 7/27/2021 14:48 | 36.45 | 3768 | 7.10 | 15.23 | 484 | 0 | 6.0 | |
| 7/27/2021 14:49 | 36.67 | 3715 | 7.08 | 15.18 | 484 | 0 | 5.8 | |
| 7/27/2021 14:50 | 36.89 | 3710 | 7.06 | 15.20 | 484 | 0 | 6.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 36.89 |
|-------------------------------|-------|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 102.89 |
|-----------------------------|--------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| AWSL | |

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 |

Analytical Samples Information

| Type of Sample/Analysis | Sample Collected? | Matrix | Container | | Sample Filtered? | Preservative | |
|---------------------------|-------------------|--------|-----------|-------------|------------------|-----------------------|--------|
| | | | Number | Type | | Type | Added? |
| Total Dissolved Solids | 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 170 minutes. Purge ended and samples collected at 1450. Water was clear. Left site at 1505.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|----------------|
| Location ID | MW-24 |
| Field Sample ID | MW-24_07292021 |
| Purge Date & Time | 7/28/2021 8:20 |
| Sample Date & Time | 7/29/2021 7:10 |
| Purging Equipment | Bailer |
| Pump Type | Grundfos |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 6.39 |
| Calculated Casing Volumes Purge Duration () | |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 22 |
| Previous Well Sampled | MW-40 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 120.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 110.20 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 8:28 | 5.00 | 4487 | 5.53 | 15.18 | 533 | 37.8 | 89.0 | |
| 7/29/2021 7:10 | | 4427 | 5.90 | 16.95 | | | | Before |
| 7/29/2021 7:16 | | 4431 | 5.85 | 16.84 | | | | After |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 13.00 |
|-------------------------------|-------|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 119.95 |
|-----------------------------|--------|

| | |
|---|-----|
| Name of Certified Analytical Laboratory | GEL |
|---|-----|

Pumping Rate Calculations

| | |
|---|-------|
| Flow Rate (Q = S/60) () | |
| Time to evacuate 2 Casing Volumes () | |
| Number of casing Volumes | 2.00 |
| Volume, if well evacuated to dryness (gals) | 13.00 |

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 Solids | 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 0816. Bailing began at 0820. Bailed a total of 13 gallons from well. Water started clear and ended up murky. Left site at 0845. Arrived on site at 0708. Depth to water was 110.15. Samples bailed and collected at 0710. Left site at 0723.

Signature of Field Technician

Darwin Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|-----------------|
| Location ID | MW-24A |
| Field Sample ID | MW-24A_07292021 |
| Purge Date & Time | 7/28/2021 15:10 |
| Sample Date & Time | 7/29/2021 7:00 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 7.01 |
| Calculated Casing Volumes Purge Duration (min) | 73.12 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 30 |
| Previous Well Sampled | MW-26 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 122.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 111.25 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 16:25 | 14.40 | 4415 | 5.86 | 16.56 | 422 | 1.0 | 97.0 | |
| 7/29/2021 7:00 | | 4412 | 5.25 | 15.28 | | | | Before |
| 7/29/2021 7:06 | | 4413 | 5.27 | 15.22 | | | | After |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 14.40 |
|-------------------------------|-------|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 117.43 |
|-----------------------------|--------|

| | |
|---|-----|
| Name of Certified Analytical Laboratory | GEL |
|---|-----|

Pumping Rate Calculations

| | |
|---|-------|
| Flow Rate (Q = S/60) (gal/min) | .192 |
| Time to evacuate 2 Casing Volumes (min) | 75.00 |
| Number of casing Volumes | 2.00 |
| Volume, if well evacuated to dryness (gals) | 14.40 |

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 Solids | 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 1506. Purge began at 1510. Purged well for a total of 75 minutes. Purged well dry. Purge ended at 1625. Water was mostly clear. Left site at 1627. Arrived on site at 0655. Depth to water was 111.15. Samples collected at 0700. Left site at 0723.

Signature of Field Technician

Jurner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|-----------------|
| Location ID | MW-25 |
| Field Sample ID | MW-25_07282021 |
| Purge Date & Time | 7/28/2021 6:25 |
| Sample Date & Time | 7/28/2021 10:00 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 21.97 |
| Calculated Casing Volumes Purge Duration (min) | 202.52 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 20 |
| Previous Well Sampled | MW-36 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 115.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 81.35 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 9:57 | 44.91 | 3185 | 6.96 | 15.15 | 497 | 8.9 | 6.5 | |
| 7/28/2021 9:58 | 45.13 | 3166 | 6.93 | 15.09 | 497 | 9.0 | 6.0 | |
| 7/28/2021 9:59 | 45.35 | 3162 | 6.90 | 15.05 | 497 | 9.1 | 5.9 | |
| 7/28/2021 10:00 | 45.57 | 3170 | 6.88 | 15.00 | 497 | 9.0 | 5.8 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 45.57 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 83.37 |
|-----------------------------|-------|

| | |
|---|------|
| 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? |
| Total Dissolved Solids | 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 0620. Purge began at 0630. Purged well for a total of 210 minutes. Purge ended and samples collected at 1000. Water was mostly clear with tiny little bubbles surfacing. Left site at 1009.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-26 |
| Field Sample ID | MW-26_07282021 |
| Purge Date & Time | 7/28/2021 12:58 |
| Sample Date & Time | 7/28/2021 13:00 |

| | |
|------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | Grundfos |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 29.01 |
| Calculated Casing Volumes Purge Duration () | |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------|
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 29 |
| Previous Well Sampled | MW-39 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 121.33 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 76.89 |

| Date/Time | Gallons Purged | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 13:00 | | 3344 | 7.15 | 18.03 | 475 | 0 | 28.5 | |

| | |
|----------------------------|--|
| Volume of water purged () | |
|----------------------------|--|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 110.98 |
|-----------------------------|--------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| AWSL | |

Pumping Rate Calculations

| | |
|--|-------|
| Flow Rate (Q = S/60) (gal/min) | 16.00 |
| 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? |
| Total Dissolved Solids | 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

Juanita Hillis



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-27 |
| Field Sample ID | MW-27_07222021 |
| Purge Date & Time | 7/22/2021 8:30 |
| Sample Date & Time | 7/22/2021 12:20 |

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 24.16 |
| Calculated Casing Volumes Purge Duration (min) | 222.68 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|------------------|------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|----------------------------------|---------------|
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 22 |
| Previous Well Sampled | MW-24A |

| | |
|------------------------------------|-------|
| Well Depth (ft) | 95.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 58.00 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/22/2021 12:17 | 49.25 | 1161 | 7.13 | 15.30 | 471 | 0 | 103.0 | |
| 7/22/2021 12:18 | 49.47 | 1157 | 7.15 | 15.31 | 470 | 0 | 102.8 | |
| 7/22/2021 12:19 | 49.69 | 1159 | 7.17 | 15.34 | 470 | 0 | 103.3 | |
| 7/22/2021 12:20 | 49.91 | 1159 | 7.18 | 15.31 | 470 | 0 | 103.2 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 49.91 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 59.48 |
|-----------------------------|-------|

| | |
|---|--|
| 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? |
| Nitrate/nitrite as N | Y | WATER | 1 | 250-mL HDPE | U | H2SO4 (pH<2), 4 Deg C | Y |

Comments:

| |
|---|
| Arrived on site at 0827. Purge began at 0830. Purged well for a total of 230 minutes. Purge ended and sample was collected at 1220. Water was clear. Left site at 1224. |
|---|

Signature of Field Technician

Junner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-28 |
| Field Sample ID | MW-28_07232021 |
| Purge Date & Time | 7/23/2021 7:40 |
| Sample Date & Time | 7/23/2021 11:15 |

| | |
|------------------|------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 23.10 |
| Calculated Casing Volumes Purge Duration (min) | 212.93 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------|
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 21 |
| Previous Well Sampled | MW-29 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 110.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 74.62 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/23/2021 11:12 | 46.00 | 4200 | 6.54 | 16.43 | 508 | 0 | 31.5 | |
| 7/23/2021 11:13 | 46.22 | 4195 | 6.54 | 16.40 | 506 | 0 | 31.0 | |
| 7/23/2021 11:14 | 46.43 | 4187 | 6.54 | 16.36 | 506 | 0 | 30.5 | |
| 7/23/2021 11:15 | 46.65 | 4196 | 6.53 | 16.32 | 505 | 0 | 30.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 46.65 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 77.20 |
|-----------------------------|-------|

| | |
|---|--|
| 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 |
| Heavy Metals - U and Se only | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 (pH<2) | Y |
| Nitrate/nitrite as N | Y | WATER | 1 | 250-mL HDPE | U | H2SO4 (pH<2), 4 Deg C | Y |

Comments:

| |
|---|
| Arrived on site at 0736. Purge began at 0740. Purged well for a total of 215 minutes. Purge ended and samples collected at 1115. Water was clear. |
|---|

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-29 |
| Field Sample ID | MW-29_07222021 |
| Purge Date & Time | 7/22/2021 10:20 |
| Sample Date & Time | 7/22/2021 13:20 |

| | |
|------------------|------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 18.14 |
| Calculated Casing Volumes Purge Duration (min) | 167.19 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------|
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 25 |
| Previous Well Sampled | MW-24A |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 135.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 107.22 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/22/2021 13:17 | 38.40 | 4582 | 6.83 | 15.00 | 421 | 5.4 | 3.0 | |
| 7/22/2021 13:18 | 38.62 | 4590 | 6.80 | 15.05 | 408 | 5.2 | 3.1 | |
| 7/22/2021 13:19 | 38.84 | 4575 | 6.78 | 15.01 | 400 | 5.3 | 3.1 | |
| 7/22/2021 13:20 | 39.06 | 4578 | 6.77 | 15.01 | 394 | 5.4 | 3.1 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 39.06 |
|-------------------------------|-------|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 109.73 |
|-----------------------------|--------|

| | |
|---|--|
| 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? |
| Heavy Metals - U only | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 (pH<2) | Y |

Comments:

| |
|--|
| Arrived on site at 1014. Purge began at 1020. Purged well for a total of 180 minutes. Purge ended and sample was collected at 1320. Water was mostly clear. Left site at 1324. |
|--|

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|----------------|
| Location ID | MW-30 |
| Field Sample ID | MW-30_07292021 |
| Purge Date & Time | 7/29/2021 6:20 |
| Sample Date & Time | 7/29/2021 9:50 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 22.67 |
| Calculated Casing Volumes Purge Duration (min) | 208.96 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 20 |
| Previous Well Sampled | MW-24A |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 110.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 75.28 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/29/2021 9:47 | 44.91 | 2216 | 6.95 | 15.00 | 498 | 0 | 56.0 | |
| 7/29/2021 9:48 | 45.13 | 2212 | 6.97 | 14.99 | 497 | 0 | 56.0 | |
| 7/29/2021 9:49 | 45.35 | 2204 | 6.97 | 14.97 | 497 | 0 | 57.0 | |
| 7/29/2021 9:50 | 45.57 | 2207 | 6.98 | 14.98 | 496 | 0 | 57.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 45.57 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 77.65 |
|-----------------------------|-------|

| | |
|---|------|
| 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? |
| Total Dissolved Solids | 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 0616. Purge began at 0620. Purged well for a total of 210 minutes. Purge ended and samples collected at 0950. Water was clear. Left site at 1000.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|-----------------|
| Location ID | MW-31 |
| Field Sample ID | MW-31_07272021 |
| Purge Date & Time | 7/27/2021 6:45 |
| Sample Date & Time | 7/27/2021 12:55 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 39.60 |
| Calculated Casing Volumes Purge Duration (min) | 365.01 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 20 |
| Previous Well Sampled | N/A |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 69.35 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/27/2021 12:52 | 79.63 | 3341 | 7.12 | 15.50 | 493 | 0 | 120.0 | |
| 7/27/2021 12:53 | 79.85 | 3338 | 7.12 | 15.48 | 493 | 0 | 119.0 | |
| 7/27/2021 12:54 | 80.07 | 3335 | 7.11 | 15.45 | 491 | 0 | 118.0 | |
| 7/27/2021 12:55 | 80.29 | 3315 | 7.10 | 15.40 | 491 | 0 | 118.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 80.29 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 73.58 |
|-----------------------------|-------|

| | |
|---|--|
| 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? |
| Total Dissolved Solids | 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 0640. Purge began at 0645. Purged well for a total of 370 minutes. Purge ended and samples collected at 1255. Water was clear. Left site at 1305.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-32 |
| Field Sample ID | MW-32_07282021 |
| Purge Date & Time | 7/28/2021 10:15 |
| Sample Date & Time | 7/28/2021 15:15 |

| | |
|------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 31.53 |
| Calculated Casing Volumes Purge Duration (min) | 290.69 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------|
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 24 |
| Previous Well Sampled | MW-38 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.60 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 82.30 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 15:12 | 64.44 | 3731 | 7.07 | 15.43 | 266 | 14.6 | 33.0 | |
| 7/28/2021 15:13 | 64.66 | 3719 | 7.00 | 15.40 | 260 | 14.0 | 32.0 | |
| 7/28/2021 15:14 | 64.88 | 3721 | 6.98 | 15.41 | 257 | 14.3 | 32.0 | |
| 7/28/2021 15:15 | 65.10 | 3720 | 6.95 | 15.36 | 254 | 14.5 | 31.8 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 65.10 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 88.25 |
|-----------------------------|-------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| AWSL | |

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 |

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 |

Comments:

| |
|--|
| Arrived on site at 1012. Purge began at 1015. Purged well for a total of 300 minutes. Purge ended and sample was collected at 1515. Water was a little murky. Left site at 1515. |
|--|

Signature of Field Technician

James Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|-----------------|
| Location ID | MW-36 |
| Field Sample ID | MW-36_07272021 |
| Purge Date & Time | 7/27/2021 13:10 |
| Sample Date & Time | 7/27/2021 14:25 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 7.27 |
| Calculated Casing Volumes Purge Duration (min) | 67.04 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 30 |
| Previous Well Sampled | MW-14 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 121.60 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 110.46 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/27/2021 14:22 | 15.62 | 3898 | 7.20 | 15.40 | 488 | 0 | 84.0 | |
| 7/27/2021 14:23 | 15.84 | 3899 | 7.20 | 15.40 | 487 | 0 | 80.0 | |
| 7/27/2021 14:24 | 16.05 | 3890 | 7.20 | 15.38 | 486 | 0 | 81.0 | |
| 7/27/2021 14:25 | 16.27 | 3908 | 7.19 | 15.34 | 486 | 0 | 80.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 16.27 |
|-------------------------------|-------|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 111.05 |
|-----------------------------|--------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| GEL | |

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 |

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 Solids | 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 1307. Purge began at 1310. Purged well for a total of 75 minutes. Purge ended and samples collected at 1425. Water was clear. Left site at 1435. |
|---|

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|----------------|
| Location ID | MW-38 |
| Field Sample ID | MW-38_07292021 |
| Purge Date & Time | 7/28/2021 9:00 |
| Sample Date & Time | 7/29/2021 8:00 |
| Purging Equipment | Bailer |
| Pump Type | Grundfos |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 2.59 |
| Calculated Casing Volumes Purge Duration () | |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 23 |
| Previous Well Sampled | MW-24 |

| | |
|------------------------------------|-------|
| Well Depth (ft) | 74.40 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 70.42 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 9:10 | 5.00 | 4366 | 7.10 | 15.60 | 498 | 8.7 | 92.0 | |
| 7/29/2021 8:00 | | 4373 | 6.25 | 16.75 | | | | Before |
| 7/29/2021 8:06 | | 4370 | 6.23 | 16.70 | | | | After |

| | |
|-------------------------------|------|
| Volume of water purged (gals) | 5.00 |
|-------------------------------|------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 74.29 |
|-----------------------------|-------|

| | |
|---|-----|
| Name of Certified Analytical Laboratory | GEL |
|---|-----|

Pumping Rate Calculations

| | |
|---|------|
| Flow Rate (Q = S/60) () | |
| Time to evacuate 2 Casing Volumes () | |
| Number of casing Volumes | 1.93 |
| Volume, if well evacuated to dryness (gals) | 5.00 |

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 Solids | 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 0856. Bailing began at 0900. Bailed a total of 5 gallons from well. Bailed well dry. Water started clear and ended murky. Left site at 0913. Arrived on site at 0756. Depth to water was 70.33. Samples bailed and collected at 0800. Left site at 0807.

Signature of Field Technician

Darlene Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|-----------------|
| Location ID | MW-39 |
| Field Sample ID | MW-39_07282021 |
| Purge Date & Time | 7/28/2021 11:00 |
| Sample Date & Time | 7/28/2021 14:50 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 24.63 |
| Calculated Casing Volumes Purge Duration (min) | 227.01 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 25 |
| Previous Well Sampled | MW-32 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 102.50 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 64.78 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 14:47 | 49.25 | 4770 | 5.50 | 15.80 | 382 | 1.2 | 8.3 | |
| 7/28/2021 14:48 | 49.47 | 4764 | 5.48 | 15.78 | 386 | 1.1 | 8.2 | |
| 7/28/2021 14:49 | 49.69 | 4770 | 5.45 | 15.80 | 389 | 1.1 | 8.1 | |
| 7/28/2021 14:50 | 49.91 | 4773 | 5.43 | 15.78 | 392 | 1.1 | 8.1 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 49.91 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 68.23 |
|-----------------------------|-------|

| | |
|---|-----|
| Name of Certified Analytical Laboratory | GEL |
|---|-----|

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? |
| Gross Alpha | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 | Y |
| Total Dissolved Solids | 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 1056. Purge began at 1100. Purged well for a total of 230 minutes. Purge ended and samples collected at 1450. Water was clear. Left site at 1459.

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-40 |
| Field Sample ID | MW-40_07282021 |
| Purge Date & Time | 7/28/2021 6:35 |
| Sample Date & Time | 7/28/2021 10:40 |

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 26.17 |
| Calculated Casing Volumes Purge Duration (min) | 241.27 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |
| Sampler | TH/DL |
| Weather Conditions | Partly cloudy |
| External Ambient Temperature (C) | 20 |
| Previous Well Sampled | MW-25 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 120.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 79.91 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 7/28/2021 10:37 | 52.51 | 3836 | 7.10 | 15.20 | 494 | 0 | 117.0 | |
| 7/28/2021 10:38 | 52.73 | 3838 | 7.10 | 15.18 | 494 | 0 | 118.0 | |
| 7/28/2021 10:39 | 52.94 | 3835 | 7.09 | 15.18 | 494 | 0 | 117.0 | |
| 7/28/2021 10:40 | 53.16 | 3837 | 7.08 | 15.13 | 494 | 0 | 117.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 53.16 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 80.84 |
|-----------------------------|-------|

| | |
|---|-----|
| Name of Certified Analytical Laboratory | GEL |
|---|-----|

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? |
| Gross Alpha | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 | Y |
| Total Dissolved Solids | 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 0630. Purge began at 0635. Purged well for a total of 245 minutes. Purge ended and samples collected at 1040. Water was clear. Left site at 1049.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-65 |
| Field Sample ID | MW-65_07272021 |
| Purge Date & Time | |
| Sample Date & Time | 7/27/2021 14:50 |

| | |
|------------------|---------------------|
| Sampling Program | |
| Sampling Event | 2021 Q3 GW Resample |

| | |
|---------|-------|
| 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 Solids | 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-14 |
|--------------------|

Signature of Field Technician

Janner Holliday

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

August 2021



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|-----------------|
| Location ID | MW-11 |
| Field Sample ID | MW-11_08102021 |
| Purge Date & Time | 8/10/2021 6:40 |
| Sample Date & Time | 8/10/2021 11:10 |

| | |
|------------------|----------------|
| Sampling Program | |
| Sampling Event | August Monthly |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 29.24 |
| Calculated Casing Volumes Purge Duration (min) | 269.50 |
| 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-30 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 85.22 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|-----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 8/10/2021 11:07 | 57.93 | 3119 | 7.28 | 15.11 | 328 | 3.5 | 6.0 | |
| 8/10/2021 11:08 | 58.15 | 3128 | 7.30 | 15.07 | 327 | 3.7 | 6.1 | |
| 8/10/2021 11:09 | 58.37 | 3116 | 7.30 | 15.01 | 326 | 4.0 | 6.0 | |
| 8/10/2021 11:10 | 58.59 | 3114 | 7.29 | 15.04 | 326 | 4.0 | 5.9 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 58.59 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 85.75 |
|-----------------------------|-------|

| | |
|---|--|
| 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? |
| 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 0635. Purge began at 0640. Purged well for a total of 270 minutes. Purge ended and sample was collected at 1110. Water was clear with tiny little bubbles surfacing. Left site at 1115.

Signature of Field Technician

Darwin Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-26 |
| Field Sample ID | MW-26_08102021 |
| Purge Date & Time | 8/10/2021 9:29 |
| Sample Date & Time | 8/10/2021 9:30 |

| | |
|------------------|----------------|
| Sampling Program | |
| Sampling Event | August Monthly |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | Grundfos |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 29.33 |
| 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-11 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 121.33 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 76.40 |

| Date/Time | Gallons Purged | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 8/10/2021 9:30 | | 3402 | 6.94 | 16.37 | 507 | 1.0 | 34.5 | |

| | |
|----------------------------|--|
| Volume of water purged () | |
|----------------------------|--|

| | |
|-----------------------------|--------|
| Final Depth to Water (feet) | 100.12 |
|-----------------------------|--------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| AWSL | |

Pumping Rate Calculations

| | |
|--|-------|
| Flow Rate (Q = S/60) (gal/min) | 16.00 |
| 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, MeCl2, CCl4 | Y | WATER | 3 | 40ml VOA | U | HCl (pH<2), 4 Deg C | Y |

Comments:

Arrived on site at 0925. Samples collected at 0930. Water was clear. Left site at 0935.

Signature of Field Technician

Jarvis Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-30 |
| Field Sample ID | MW-30_08092021 |
| Purge Date & Time | 8/9/2021 7:45 |
| Sample Date & Time | 8/9/2021 11:15 |

| | |
|------------------|----------------|
| Sampling Program | |
| Sampling Event | August Monthly |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 22.77 |
| Calculated Casing Volumes Purge Duration (min) | 209.92 |
| 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-31 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 110.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 75.12 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 8/9/2021 11:12 | 44.91 | 2213 | 6.76 | 15.10 | 535 | 0 | 55.0 | |
| 8/9/2021 11:13 | 45.13 | 2213 | 6.80 | 15.15 | 533 | 0 | 55.0 | |
| 8/9/2021 11:14 | 45.35 | 2209 | 6.82 | 15.11 | 532 | 0 | 55.0 | |
| 8/9/2021 11:15 | 45.57 | 2213 | 6.84 | 15.10 | 530 | 0 | 55.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 45.57 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| 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) | 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 0740. Purge began at 0745. Purged well for a total of 210 minutes. Purge ended and samples collected at 1115. Water was clear. Left site at 1121. |
|--|

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--|----------------|
| Location ID | MW-31 |
| Field Sample ID | MW-31_08092021 |
| Purge Date & Time | 8/9/2021 7:30 |
| Sample Date & Time | 8/9/2021 13:40 |
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 39.66 |
| Calculated Casing Volumes Purge Duration (min) | 365.61 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|----------------|
| Sampling Program | |
| Sampling Event | August Monthly |
| Sampler | TH/DL |
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 20 |
| Previous Well Sampled | N/A |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 69.25 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 8/9/2021 13:37 | 79.63 | 3185 | 7.15 | 15.43 | 505 | 14.0 | 115.0 | |
| 8/9/2021 13:38 | 79.85 | 3237 | 7.15 | 15.45 | 505 | 14.0 | 115.0 | |
| 8/9/2021 13:39 | 80.07 | 3250 | 7.13 | 15.43 | 504 | 13.0 | 116.0 | |
| 8/9/2021 13:40 | 80.29 | 3260 | 7.13 | 15.45 | 504 | 13.0 | 116.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 80.29 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 73.15 |
|-----------------------------|-------|

| | |
|---|--|
| 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 Solids | Y | WATER | 1 | 250-mL HDPE | U | 4 Deg C | Y |
| Heavy Metals - U 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 370 minutes. Purge ended and samples collected at 1340. Water was mostly clear with tiny little bubbles surfacing. Left site at 1346.

Signature of Field Technician

Dunstan Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-65 |
| Field Sample ID | MW-65_08092021 |
| Purge Date & Time | |
| Sample Date & Time | 8/9/2021 11:15 |

| | |
|------------------|----------------|
| Sampling Program | |
| Sampling Event | August 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) | |
|-----------------------------|--|

| | |
|---|--|
| 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? |
| 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

Darrell Holliday

Tab C2

Field Data Worksheets Accelerated Monitoring

September 2021



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-11 |
| Field Sample ID | MW-11_09072021 |
| Purge Date & Time | 9/7/2021 8:50 |
| Sample Date & Time | 9/7/2021 13:20 |

| | |
|------------------|-------------------|
| Sampling Program | |
| Sampling Event | September Monthly |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | Grundfos |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 29.20 |
| Calculated Casing Volumes Purge Duration (min) | 269.14 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|-------|
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 21 |
| Previous Well Sampled | MW-31 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 85.28 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 9/7/2021 13:17 | 57.93 | 3129 | 6.85 | 15.06 | 481 | 89.0 | 7.8 | |
| 9/7/2021 13:18 | 58.15 | 3124 | 6.90 | 15.07 | 478 | 91.0 | 7.7 | |
| 9/7/2021 13:19 | 58.37 | 3129 | 6.95 | 15.10 | 476 | 92.0 | 7.6 | |
| 9/7/2021 13:20 | 58.59 | 3123 | 7.00 | 15.08 | 474 | 94.0 | 7.6 | |

| | |
|----------------------------|-------|
| Volume of water purged () | 58.59 |
|----------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 85.40 |
|-----------------------------|-------|

| | |
|---|--|
| 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? |
| 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 0846. Purge began at 0850. Purged well for a total of 270 minutes. Purge ended and samples collected at 1320. Water was a little murky with little bubbles surfacing. Left site at 1324. |
|---|

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-26 |
| Field Sample ID | MW-26_09092021 |
| Purge Date & Time | 9/9/2021 7:59 |
| Sample Date & Time | 9/9/2021 8:00 |

| | |
|------------------|-------------------|
| Sampling Program | |
| Sampling Event | September Monthly |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | Grundfos |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 29.45 |
| 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) | 19 |
| Previous Well Sampled | MW-30 |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 121.33 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 76.23 |

| Date/Time | Gallons Purged | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|---------------|----------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 9/9/2021 8:00 | | 3487 | 6.54 | 15.95 | 488 | 0 | 27.0 | |

| | |
|----------------------------|--|
| Volume of water purged () | |
|----------------------------|--|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 99.32 |
|-----------------------------|-------|

| | |
|---|--|
| Name of Certified Analytical Laboratory | |
| AWSL | |

Pumping Rate Calculations

| | |
|--|-------|
| Flow Rate (Q = S/60) (gal/min) | 16.00 |
| 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, MeCl2, CCl4 | Y | WATER | 3 | 40ml VOA | U | HCl (pH<2), 4 Deg C | Y |

Comments:
Arrived on site at 0756. Samples collected at 0800. Water was clear. Left site at 0805.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

| | |
|--------------------|----------------|
| Location ID | MW-30 |
| Field Sample ID | MW-30_09082021 |
| Purge Date & Time | 9/8/2021 8:50 |
| Sample Date & Time | 9/8/2021 12:20 |

| | |
|------------------|-------------------|
| Sampling Program | |
| Sampling Event | September 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) | 22 |
| Previous Well Sampled | MW-11 |

| | |
|------------------------------------|--------|
| 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/c) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 9/8/2021 12:17 | 44.91 | 2244 | 6.60 | 15.04 | 468 | 0 | 54.0 | |
| 9/8/2021 12:18 | 45.13 | 2242 | 6.64 | 15.02 | 467 | 0 | 55.5 | |
| 9/8/2021 12:19 | 45.35 | 2243 | 6.67 | 15.00 | 466 | 0 | 55.3 | |
| 9/8/2021 12:20 | 45.57 | 2240 | 6.70 | 15.00 | 465 | 0 | 55.5 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 45.57 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 77.86 |
|-----------------------------|-------|

| | |
|---|--|
| 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 0845. Purge began at 0850. Purged well for a total of 210 minutes. Purge ended and samples collected at 1220. Water was clear. Left site at 1225.

Signature of Field Technician

Jarner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-31 |
| Field Sample ID | MW-31_09072021 |
| Purge Date & Time | 9/7/2021 8:10 |
| Sample Date & Time | 9/7/2021 14:20 |

| | |
|------------------|-------------------|
| Sampling Program | |
| Sampling Event | September Monthly |

| | |
|---------|-------|
| Sampler | TH/DL |
|---------|-------|

| | |
|--|-----------|
| Purging Equipment | Pump |
| Pump Type | QED |
| Purging Method | 2 Casings |
| Casing Volume (gal) | 39.56 |
| Calculated Casing Volumes Purge Duration (min) | 364.65 |
| pH Buffer 7.0 | 7.0 |
| pH Buffer 4.0 | 4.0 |
| Specific Conductance (micromhos) | 1000 |

| | |
|----------------------------------|-------|
| Weather Conditions | Sunny |
| External Ambient Temperature (C) | 21 |
| Previous Well Sampled | NA |

| | |
|------------------------------------|--------|
| Well Depth (ft) | 130.00 |
| Well Casing Diameter (in) | 4 |
| Depth to Water Before Purging (ft) | 69.41 |

| Date/Time | Gallons Purged (gal) | Conductivity (umhos/cm) | pH (pH Units) | Temp (deg C) | Redox (mV) | Turbidity (NTU) | Dissolved Oxygen (%) | Before/After |
|----------------|----------------------|-------------------------|---------------|--------------|------------|-----------------|----------------------|--------------|
| 9/7/2021 14:17 | 79.63 | 3396 | 6.59 | 15.10 | 462 | 5.0 | 115.0 | |
| 9/7/2021 14:18 | 79.85 | 3395 | 6.60 | 15.16 | 461 | 5.1 | 114.0 | |
| 9/7/2021 14:19 | 80.07 | 3399 | 6.61 | 15.13 | 460 | 4.8 | 114.0 | |
| 9/7/2021 14:20 | 80.29 | 3399 | 6.62 | 15.13 | 459 | 4.8 | 114.0 | |

| | |
|-------------------------------|-------|
| Volume of water purged (gals) | 80.29 |
|-------------------------------|-------|

| | |
|-----------------------------|-------|
| Final Depth to Water (feet) | 73.35 |
|-----------------------------|-------|

| | |
|---|--|
| 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 Solids | Y | WATER | 1 | 250-mL HDPE | U | 4 Deg C | Y |
| Heavy Metals - U only | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 (pH<2) | Y |

Comments:
Arrived on site at 0806. Purge began at 0810. Purged well for a total of 370 minutes. Purge ended and samples collected at 1420. Water was mostly clear. Left site at 1432.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

| | |
|--------------------|----------------|
| Location ID | MW-65 |
| Field Sample ID | MW-65_09072021 |
| Purge Date & Time | |
| Sample Date & Time | 9/7/2021 14:20 |

| | |
|------------------|-------------------|
| Sampling Program | |
| Sampling Event | September 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) | |
|-----------------------------|--|

| | |
|---|--|
| 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? |
| 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 |
| Heavy Metals - U | Y | WATER | 1 | 250-mL HDPE | Y | HNO3 (pH<2) | Y |
| Total Dissolved Solids | Y | WATER | 1 | 250-mL HDPE | U | 4 Deg C | Y |

Comments:

| |
|--------------------|
| Duplicate of MW-31 |
|--------------------|

Signature of Field Technician

Jurnea Holliday

Tab D
Quarterly Depth to Water

Name: Tanner Holliday, Deen Lyman

Date: 8/11/2021 - 8/13/2021

| Date | Time | Well | Depth to Water (ft.) | Date | Time | Well | Depth to Water (ft.) | Date | Time | Well | Depth to Water (ft.) |
|-----------|------|--------|----------------------|-----------|------|--------|----------------------|-----------|------|----------|----------------------|
| 8/11/2021 | 1002 | MW-01 | 64.86 | 8/13/2021 | 656 | MW-04 | 81.68 | 8/11/2021 | 1033 | PIEZ-01 | 67.30 |
| 8/11/2021 | 903 | MW-02 | 109.52 | 8/13/2021 | 701 | TW4-01 | 103.33 | 8/11/2021 | 1021 | PIEZ-02 | 46.17 |
| 8/11/2021 | 1319 | MW-03A | 84.14 | 8/13/2021 | 652 | TW4-02 | 98.10 | 8/11/2021 | 1411 | PIEZ-03A | 57.27 |
| 8/11/2021 | 733 | MW-05 | 108.14 | 8/13/2021 | 751 | TW4-03 | 64.62 | 8/11/2021 | 1354 | PIEZ-04 | 67.35 |
| 8/11/2021 | 834 | MW-11 | 85.31 | 8/13/2021 | 708 | TW4-04 | 81.06 | 8/11/2021 | 1349 | PIEZ-05 | 66.06 |
| 8/11/2021 | 737 | MW-12 | 109.60 | 8/13/2021 | 746 | TW4-05 | 72.02 | 8/11/2021 | 1424 | TWN-01 | 69.25 |
| 8/11/2021 | 821 | MW-14 | 101.78 | 8/13/2021 | 718 | TW4-06 | 79.11 | 8/11/2021 | 1421 | TWN-02 | 58.35 |
| 8/11/2021 | 817 | MW-15 | 105.36 | 8/13/2021 | 711 | TW4-07 | 82.07 | 8/11/2021 | 1417 | TWN-03 | 42.84 |
| 8/11/2021 | 1311 | MW-17 | 72.13 | 8/13/2021 | 715 | TW4-08 | 85.28 | 8/11/2021 | 1408 | TWN-04 | 62.32 |
| 8/11/2021 | 1010 | MW-18 | 73.85 | 8/13/2021 | 742 | TW4-09 | 70.05 | 8/11/2021 | 1016 | TWN-06 | 80.69 |
| 8/11/2021 | 1028 | MW-19 | 66.13 | 8/13/2021 | 738 | TW4-10 | 69.35 | 8/11/2021 | 957 | TWN-07 | 80.55 |
| 8/11/2021 | 1247 | MW-20 | 86.33 | 8/13/2021 | 647 | TW4-11 | 89.90 | 8/11/2021 | 1049 | TWN-14 | 59.48 |
| 8/11/2021 | 1256 | MW-22 | 66.39 | 8/13/2021 | 918 | TW4-12 | 55.88 | 8/11/2021 | 1044 | TWN-16 | 47.85 |
| 8/11/2021 | 742 | MW-23 | 113.84 | 8/13/2021 | 914 | TW4-13 | 56.95 | 8/11/2021 | 1403 | TWN-18 | 62.44 |
| 8/11/2021 | 937 | MW-24A | 111.11 | 8/13/2021 | 906 | TW4-14 | 77.52 | 8/11/2021 | 919 | TWN-19 | 54.03 |
| 8/11/2021 | 934 | MW-24 | 110.05 | 8/13/2021 | 734 | TW4-16 | 73.70 | 8/11/2021 | 1059 | TWN-20 | 77.95 |
| 8/11/2021 | 830 | MW-25 | 81.28 | 8/13/2021 | 800 | TW4-18 | 73.11 | 8/11/2021 | 1111 | TWN-21 | 79.19 |
| 8/11/2021 | 916 | MW-26 | 75.40 | 8/13/2021 | 945 | TW4-19 | 73.40 | 8/11/2021 | 906 | DR-05 | 83.18 |
| 8/11/2021 | 948 | MW-27 | 58.03 | 8/13/2021 | 620 | TW4-21 | 72.33 | 8/11/2021 | 859 | DR-06 | 94.08 |
| 8/11/2021 | 920 | MW-28 | 74.65 | 8/13/2021 | 634 | TW4-22 | 68.20 | 8/11/2021 | 1158 | DR-07 | 91.91 |
| 8/11/2021 | 908 | MW-29 | 107.15 | 8/13/2021 | 730 | TW4-23 | 75.74 | 8/11/2021 | 851 | DR-08 | 51.32 |
| 8/11/2021 | 712 | MW-30 | 75.18 | 8/13/2021 | 630 | TW4-24 | 68.71 | 8/11/2021 | 847 | DR-09 | 86.52 |
| 8/11/2021 | 841 | MW-31 | 69.33 | 8/13/2021 | 625 | TW4-25 | 69.25 | 8/11/2021 | 840 | DR-10 | 78.38 |
| 8/11/2021 | 846 | MW-32 | 82.18 | 8/13/2021 | 722 | TW4-26 | 73.95 | 8/11/2021 | 1335 | DR-11 | 97.93 |
| 8/11/2021 | 755 | MW-33 | DRY | 8/13/2021 | 843 | TW4-27 | 79.18 | 8/11/2021 | 1330 | DR-12 | 91.88 |
| 8/11/2021 | 806 | MW-34 | 107.38 | 8/13/2021 | 922 | TW4-28 | 49.36 | 8/11/2021 | 1325 | DR-13 | 69.82 |
| 8/11/2021 | 749 | MW-35 | 112.25 | 8/13/2021 | 902 | TW4-29 | 78.48 | 8/11/2021 | 822 | DR-14 | 76.19 |
| 8/11/2021 | 746 | MW-36 | 110.51 | 8/13/2021 | 850 | TW4-30 | 75.16 | 8/11/2021 | 834 | DR-15 | 92.85 |
| 8/11/2021 | 810 | MW-37 | 106.06 | 8/13/2021 | 847 | TW4-31 | 76.41 | 8/11/2021 | 815 | DR-17 | 64.68 |
| 8/11/2021 | 1237 | MW-38 | 70.28 | 8/13/2021 | 927 | TW4-32 | 56.43 | 8/11/2021 | 750 | DR-19 | 63.28 |
| 8/11/2021 | 1230 | MW-39 | 64.65 | 8/13/2021 | 839 | TW4-33 | 78.25 | 8/11/2021 | 746 | DR-20 | 55.45 |
| 8/11/2021 | 1218 | MW-40 | 79.85 | 8/13/2021 | 858 | TW4-34 | 76.71 | 8/11/2021 | 730 | DR-21 | 100.54 |
| | | | | 8/13/2021 | 854 | TW4-35 | 75.42 | 8/11/2021 | 757 | DR-22 | DRY |
| | | | | 8/13/2021 | 910 | TW4-36 | 58.28 | 8/11/2021 | 737 | DR-23 | 69.05 |
| | | | | 8/13/2021 | 638 | TW4-37 | 72.15 | 8/11/2021 | 804 | DR-24 | 44.51 |
| | | | | 8/13/2021 | 755 | TW4-38 | 60.06 | | | | |
| | | | | 8/13/2021 | 642 | TW4-39 | 74.55 | | | | |
| | | | | 8/13/2021 | 726 | TW4-40 | 72.32 | | | | |
| | | | | 8/13/2021 | 705 | TW4-41 | 88.87 | | | | |
| | | | | 8/13/2021 | 835 | TW4-42 | 69.93 | | | | |

MW-26 = TW4-15

MW-32 = TW4-17

Comments:

Tab E

Laboratory Analytical Reports – Quarterly Sampling



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-001
Client Sample ID: MW-11_07272021
Collection Date: 7/27/2021 1125h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
 Salt Lake City, UT 84119

 Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com

 web: www.awal-labs.com

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1506h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1506h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.000500 | < 0.000500 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1541h | E200.7 | 10.0 | 178 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1506h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1506h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1656h | E200.7 | 0.100 | 62.1 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0100 | 0.376 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1114h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/10/2021 1656h | E200.7 | 1.00 | 10.6 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.00500 | < 0.00500 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1012h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1541h | E200.7 | 10.0 | 520 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1506h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1506h | E200.8 | 0.000500 | 0.00221 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1656h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1359h | E200.8 | 0.0100 | < 0.0100 | |

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-001
Client Sample ID: MW-11_07272021
Collection Date: 7/27/2021 1125h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1337h | E350.1 | 0.0500 | 0.483 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 320 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/10/2021 2012h | E300.0 | 5.00 | 48.3 | |
| Fluoride | mg/L | | 8/11/2021 451h | E300.0 | 0.200 | 0.354 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -2.01 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1419h | E353.2 | 0.100 | 0.924 | |
| Sulfate | mg/L | | 8/10/2021 2012h | E300.0 | 25.0 | 1,470 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 38.4 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 36.9 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 2,680 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.08 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 2,480 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-001A
Client Sample ID: MW-11_07272021
Collection Date: 7/27/2021 1125h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1415h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
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 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 2.25 | |
| 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 | 47.9 | 50.00 | 95.8 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 55.1 | 50.00 | 110 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 46.2 | 50.00 | 92.3 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.1 | 50.00 | 98.2 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07272021 | Project: DNMI00100 |
| Sample ID: 551444001 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 27-JUL-21 11:25 | |
| Receive Date: 02-AUG-21 | |
| 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 | +/-0.188 | 0.556 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 1 |

The following Analytical Methods were performed:

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| I | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107637-001
Client Sample ID: MW-12_07212021
Collection Date: 7/21/2021 1355h
Received Date: 7/26/2021 1055h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Selenium | mg/L | 7/27/2021 1057h | 8/2/2021 1350h | E200.8 | 0.00500 | 0.0324 | |
| Uranium | mg/L | 7/27/2021 1057h | 8/2/2021 1450h | E200.8 | 0.000300 | 0.0222 | |

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web: www.awal-labs.com

Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-002
Client Sample ID: MW-14_07272021
Collection Date: 7/27/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
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 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1510h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.000500 | 0.00163 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1543h | E200.7 | 10.0 | 505 | 2 |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1510h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1510h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1543h | E200.7 | 1.00 | 157 | 2 |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0100 | 1.84 | 2 |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1128h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/10/2021 1658h | E200.7 | 1.00 | 14.7 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.00500 | < 0.00500 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1016h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1543h | E200.7 | 10.0 | 334 | 2 |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1510h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1510h | E200.8 | 0.000500 | 0.0600 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1658h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1319h | E200.8 | 0.0100 | 0.0152 | |

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



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-002
Client Sample ID: MW-14_07272021
Collection Date: 7/27/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

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 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1339h | E350.1 | 0.0500 | < 0.0500 | |
| Bicarbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 355 | |
| Carbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/10/2021 2035h | E300.0 | 10.0 | 19.0 | |
| Fluoride | mg/L | | 8/11/2021 514h | E300.0 | 0.100 | 0.109 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -0.381 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1420h | E353.2 | 0.100 | < 0.100 | |
| Sulfate | mg/L | | 8/10/2021 2035h | E300.0 | 50.0 | 2,200 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 53.4 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 53.0 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 3,810 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.11 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 3,440 | |

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-002A
Client Sample ID: MW-14_07272021
Collection Date: 7/27/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1435h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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 web: www.awal-labs.com

| 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 | |

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Surrogate | Units: µg/L | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|-------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 47.7 | 50.00 | 95.4 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 54.4 | 50.00 | 109 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 45.9 | 50.00 | 91.8 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.4 | 50.00 | 98.7 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07272021 | Project: DNMI00100 |
| Sample ID: 551444002 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 27-JUL-21 14:50 | |
| Receive Date: 02-AUG-21 | |
| 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 | +/-0.386 | 0.935 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1725 | 2157704 | 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" | | | 88.9 | (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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-010
Client Sample ID: MW-24_07292021
Collection Date: 7/29/2021 710h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1846h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1846h | E200.8 | 0.000500 | 0.00271 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.000500 | 0.00926 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1625h | E200.7 | 10.0 | 502 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.0100 | 0.130 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.0100 | 0.0172 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1846h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1846h | E200.8 | 0.00100 | 0.00260 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1625h | E200.7 | 1.00 | 195 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1432h | E200.8 | 0.0100 | 7.89 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1149h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.0200 | 0.0767 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1307h | E200.7 | 2.00 | 15.4 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.00500 | 0.00774 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1057h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1625h | E200.7 | 10.0 | 454 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1846h | E200.8 | 0.000500 | 0.00291 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1846h | E200.8 | 0.000500 | 0.00593 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/11/2021 1802h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1508h | E200.8 | 0.0100 | 0.146 | |

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 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-010
Client Sample ID: MW-24_07292021
Collection Date: 7/29/2021 710h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

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 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1347h | E350.1 | 0.0500 | 0.0773 | |
| Bicarbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Carbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/11/2021 118h | E300.0 | 20.0 | 48.1 | |
| Fluoride | mg/L | | 8/11/2021 823h | E300.0 | 0.500 | 1.40 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -2.84 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/6/2021 1444h | E353.2 | 0.100 | 0.369 | '@ |
| Sulfate | mg/L | | 8/11/2021 118h | E300.0 | 100 | 3,050 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 64.8 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 61.3 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 4,940 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.16 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 4,260 | |

@ - 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.



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-010A
Client Sample ID: MW-24_07292021
Collection Date: 7/29/2021 710h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1713h **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 | 45.3 | 50.00 | 90.6 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 57.7 | 50.00 | 115 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 43.2 | 50.00 | 86.5 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 47.2 | 50.00 | 94.3 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07292021 Project: DNMI00100
Sample ID: 551444010 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 29-JUL-21 07:10
Receive Date: 02-AUG-21
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 | | 1.92 | +/-0.359 | 0.594 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-011
Client Sample ID: MW-24A_07292021
Collection Date: 7/29/2021 700h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
 Salt Lake City, UT 84119

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 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/16/2021 1148h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/16/2021 1200h | E200.8 | 0.000500 | 0.00519 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.000500 | 0.0103 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1627h | E200.7 | 10.0 | 466 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.0100 | 0.136 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.0100 | 0.0210 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1902h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1902h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1627h | E200.7 | 1.00 | 183 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1457h | E200.8 | 0.0100 | 7.74 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1151h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.0200 | 0.0695 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1309h | E200.7 | 2.00 | 14.4 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.00500 | 0.00702 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1101h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1627h | E200.7 | 10.0 | 448 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1902h | E200.8 | 0.000500 | 0.00269 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1902h | E200.8 | 0.000500 | 0.00899 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/11/2021 1804h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1512h | E200.8 | 0.0100 | 0.0624 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-011
Client Sample ID: MW-24A_07292021
Collection Date: 7/29/2021 700h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

| 3440 South 700 West Salt Lake City, UT 84119 | Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Phone: (801) 263-8686 | Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1348h | E350.1 | 0.0500 | 0.0709 | |
| Toll Free: (888) 263-8686 | Bicarbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 7.40 | |
| Fax: (801) 263-8687 | Carbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| e-mail: awal@awal-labs.com | Chloride | mg/L | | 8/11/2021 142h | E300.0 | 20.0 | 45.6 | |
| web: www.awal-labs.com | Fluoride | mg/L | | 8/11/2021 1614h | E300.0 | 0.500 | 0.868 | |
| Jennifer Osborn Laboratory Director | Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -5.67 | |
| Jose Rocha QA Officer | Nitrate/Nitrite (as N) | mg/L | | 8/6/2021 1448h | E353.2 | 0.100 | 0.373 | |
| | Sulfate | mg/L | | 8/11/2021 142h | E300.0 | 100 | 3,060 | |
| | Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 65.2 | |
| | Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 58.2 | |
| | Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 4,490 | |
| | Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.06 | |
| | Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 4,220 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-011A
Client Sample ID: MW-24A_07292021
Collection Date: 7/29/2021 700h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1733h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 48.2 | 50.00 | 96.3 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 55.5 | 50.00 | 111 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 46.5 | 50.00 | 93.0 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.6 | 50.00 | 99.3 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07292021 | Project: DNMI00100 |
| Sample ID: 551444011 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 29-JUL-21 07:00 | |
| Receive Date: 02-AUG-21 | |
| 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 | | 2.77 | +/-0.475 | 0.751 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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" | | | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-006
Client Sample ID: MW-25_07282021
Collection Date: 7/28/2021 1000h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

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 e-mail: awal@awal-labs.com

 web: www.awal-labs.com

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/16/2021 1116h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/16/2021 1215h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.000500 | 0.00149 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1616h | E200.7 | 10.0 | 355 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/16/2021 1215h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/16/2021 1215h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1616h | E200.7 | 1.00 | 121 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0100 | 1.48 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1136h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0100 | 0.0169 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1258h | E200.7 | 1.00 | 11.3 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.00500 | < 0.00500 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1031h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1616h | E200.7 | 10.0 | 292 | |
| Thallium | mg/L | 8/2/2021 943h | 8/16/2021 1215h | E200.8 | 0.000500 | 0.000829 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/16/2021 1215h | E200.8 | 0.000500 | 0.00621 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1722h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1410h | E200.8 | 0.0100 | < 0.0100 | |

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-006
Client Sample ID: MW-25_07282021
Collection Date: 7/28/2021 1000h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1343h | E350.1 | 0.0500 | 0.374 | |
| Bicarbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 335 | |
| Carbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/10/2021 2257h | E300.0 | 10.0 | 34.2 | |
| Fluoride | mg/L | | 8/11/2021 649h | E300.0 | 0.200 | 0.331 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -1.26 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1425h | E353.2 | 0.100 | < 0.100 | |
| Sulfate | mg/L | | 8/10/2021 2257h | E300.0 | 50.0 | 1,640 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 41.7 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 40.7 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 3,100 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.17 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 2,650 | |

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web: www.awal-labs.com

Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-006A
Client Sample ID: MW-25_07282021
Collection Date: 7/28/2021 1000h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1554h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 46.9 | 50.00 | 93.7 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 59.9 | 50.00 | 120 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 44.7 | 50.00 | 89.4 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 48.9 | 50.00 | 97.7 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07282021 | Project: DNMI00100 |
| Sample ID: 551444006 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 28-JUL-21 10:00 | |
| Receive Date: 02-AUG-21 | |
| 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 | +/-0.213 | 0.526 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-007
Client Sample ID: MW-26_07282021
Collection Date: 7/28/2021 1300h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
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 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1756h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1756h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.000500 | 0.000595 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1618h | E200.7 | 10.0 | 513 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.100 | 0.575 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1756h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1618h | E200.7 | 1.00 | 171 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0100 | 1.07 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1138h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1300h | E200.7 | 1.00 | 13.8 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.00500 | < 0.00500 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1035h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1618h | E200.7 | 10.0 | 179 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1756h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1756h | E200.8 | 0.000500 | 0.0464 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1724h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1414h | E200.8 | 0.0100 | < 0.0100 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-007
Client Sample ID: MW-26_07282021
Collection Date: 7/28/2021 1300h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

3440 South 700 West
Salt Lake City, UT 84119

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 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1345h | E350.1 | 0.0500 | 0.459 | |
| Bicarbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 360 | |
| Carbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/11/2021 008h | E300.0 | 10.0 | 54.0 | |
| Fluoride | mg/L | | 8/11/2021 713h | E300.0 | 0.200 | 0.234 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | 0.789 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1428h | E353.2 | 0.100 | 0.352 | |
| Sulfate | mg/L | | 8/11/2021 008h | E300.0 | 50.0 | 1,840 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 47.1 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 47.8 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 3,390 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.13 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 2,990 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-007A
Client Sample ID: MW-26_07282021
Collection Date: 7/28/2021 1300h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 8/2/2021 944h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------|------------|-----------------|-------------------|------|
| Chloroform | 67-66-3 | 10.0 | 723 | ~ |

| Surrogate | Units: µg/L | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|-------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 482 | 500.0 | 96.4 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 534 | 500.0 | 107 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 468 | 500.0 | 93.5 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 502 | 500.0 | 101 | 81-123 | |

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 7/30/2021 1614h **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 | < 1.00 | |
| 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 | 46.2 | 50.00 | 92.4 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 57.1 | 50.00 | 114 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 45.8 | 50.00 | 91.5 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 48.2 | 50.00 | 96.4 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07282021 | Project: DNMI00100 |
| Sample ID: 551444007 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 28-JUL-21 13:00 | |
| Receive Date: 02-AUG-21 | |
| 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 | | 1.71 | +/-0.339 | 0.591 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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" | | | 106 | (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: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107668-001
Client Sample ID: MW-27_07222021
Collection Date: 7/22/2021 1220h
Received Date: 7/27/2021 955h

Analytical Results

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1412h | E353.2 | 0.100 | 6.32 | |

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web: www.awal-labs.com

Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107668-002
Client Sample ID: MW-28_07232021
Collection Date: 7/23/2021 1115h
Received Date: 7/27/2021 955h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Selenium | mg/L | 7/27/2021 1057h | 8/2/2021 1409h | E200.8 | 0.00500 | 0.0185 | |
| Uranium | mg/L | 7/27/2021 1057h | 8/2/2021 1409h | E200.8 | 0.00200 | 0.0138 | |

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107668-002
Client Sample ID: MW-28_07232021
Collection Date: 7/23/2021 1115h
Received Date: 7/27/2021 955h

Contact: Tanner Holliday

Analytical Results

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/3/2021 2311h | E300.0 | 10.0 | 152 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1413h | E353.2 | 0.100 | 6.09 | '@ |

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

' - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107668-003
Client Sample ID: MW-29_07222021
Collection Date: 7/22/2021 1320h
Received Date: 7/27/2021 955h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Uranium | mg/L | 7/27/2021 1057h | 8/2/2021 1424h | E200.8 | 0.000300 | 0.0158 | |

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Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-012
Client Sample ID: MW-30_07292021
Collection Date: 7/29/2021 950h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

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| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/16/2021 1204h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1917h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.000500 | < 0.000500 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1629h | E200.7 | 10.0 | 294 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1917h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1917h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1629h | E200.7 | 1.00 | 78.8 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0100 | < 0.0100 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1153h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1311h | E200.7 | 1.00 | 7.89 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.00500 | 0.0563 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1121h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1629h | E200.7 | 10.0 | 107 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1917h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1917h | E200.8 | 0.000500 | 0.00960 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1735h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1425h | E200.8 | 0.0100 | < 0.0100 | |

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-012
Client Sample ID: MW-30_07292021
Collection Date: 7/29/2021 950h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1349h | E350.1 | 0.0500 | 0.133 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 200 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/11/2021 1503h | E300.0 | 5.00 | 188 | |
| Fluoride | mg/L | | 8/11/2021 958h | E300.0 | 0.100 | 0.318 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | 1.30 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1455h | E353.2 | 0.500 | 20.6 | |
| Sulfate | mg/L | | 8/11/2021 1503h | E300.0 | 25.0 | 754 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 25.3 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 26.0 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 2,010 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.28 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 1,570 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-012A
Client Sample ID: MW-30_07292021
Collection Date: 7/29/2021 950h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1753h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 45.8 | 50.00 | 91.6 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 56.2 | 50.00 | 112 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 44.0 | 50.00 | 88.0 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 47.7 | 50.00 | 95.5 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07292021 Project: DNMI00100
Sample ID: 551444012 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 29-JUL-21 09:50
Receive Date: 02-AUG-21
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 | +/-0.208 | 0.659 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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" | | | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-003
Client Sample ID: MW-31_07272021
Collection Date: 7/27/2021 1255h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
 Salt Lake City, UT 84119

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 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com

 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

 Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1514h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.000500 | < 0.000500 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1554h | E200.7 | 10.0 | 395 | 2 |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1514h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1514h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1554h | E200.7 | 1.00 | 182 | 2 |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0100 | < 0.0100 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1130h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/10/2021 1705h | E200.7 | 1.00 | 9.58 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.00500 | 0.0865 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1020h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1554h | E200.7 | 10.0 | 132 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1514h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1514h | E200.8 | 0.000500 | 0.0200 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1705h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1337h | E200.8 | 0.0100 | < 0.0100 | |

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



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-003
Client Sample ID: MW-31_07272021
Collection Date: 7/27/2021 1255h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
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Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1340h | E350.1 | 0.0500 | < 0.0500 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 205 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/10/2021 2059h | E300.0 | 10.0 | 391 | |
| Fluoride | mg/L | | 8/11/2021 538h | E300.0 | 0.200 | 0.623 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -0.0274 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1421h | E353.2 | 0.100 | 18.7 | |
| Sulfate | mg/L | | 8/10/2021 2059h | E300.0 | 50.0 | 1,210 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 40.7 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 40.7 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 3,100 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.26 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 2,460 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-003A
Client Sample ID: MW-31_07272021
Collection Date: 7/27/2021 1255h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1455h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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Jennifer Osborn
Laboratory Director

Jose Rocha

QA Officer

| 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 | 47.0 | 50.00 | 94.1 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 53.1 | 50.00 | 106 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 45.2 | 50.00 | 90.4 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.2 | 50.00 | 98.5 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07272021 | Project: DNMI00100 |
| Sample ID: 551444003 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 27-JUL-21 12:55 | |
| Receive Date: 02-AUG-21 | |
| 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 | +/-0.190 | 0.568 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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" | | | 108 | (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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-015
Client Sample ID: MW-32_07282021
Collection Date: 7/28/2021 1515h
Received Date: 7/28/2021 1515h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/11/2021 340h | E300.0 | 2.00 | 36.5 | |

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web: www.awal-labs.com

Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-004
Client Sample ID: MW-36_07272021
Collection Date: 7/27/2021 1425h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1741h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1518h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.000500 | < 0.000500 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1600h | E200.7 | 10.0 | 443 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1518h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1518h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1600h | E200.7 | 1.00 | 142 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0100 | < 0.0100 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1132h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/10/2021 1711h | E200.7 | 1.00 | 13.2 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.00500 | 0.228 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1024h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1600h | E200.7 | 10.0 | 678 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1518h | E200.8 | 0.000500 | 0.000590 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1518h | E200.8 | 0.000500 | 0.0241 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1711h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1403h | E200.8 | 0.0100 | < 0.0100 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-004
Client Sample ID: MW-36_07272021
Collection Date: 7/27/2021 1425h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

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web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1341h | E350.1 | 0.0500 | < 0.0500 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 300 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/10/2021 2210h | E300.0 | 20.0 | 58.4 | |
| Fluoride | mg/L | | 8/11/2021 602h | E300.0 | 0.100 | 0.255 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -0.673 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1422h | E353.2 | 0.100 | 0.200 | |
| Sulfate | mg/L | | 8/10/2021 2210h | E300.0 | 100 | 2,730 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 64.4 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 63.6 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 4,560 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.07 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 4,240 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-004A
Client Sample ID: MW-36_07272021
Collection Date: 7/27/2021 1425h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1514h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 48.4 | 50.00 | 96.9 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 54.8 | 50.00 | 110 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 46.4 | 50.00 | 92.7 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.9 | 50.00 | 99.7 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07272021 | Project: DNMI00100 |
| Sample ID: 551444004 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 27-JUL-21 14:25 | |
| Receive Date: 02-AUG-21 | |
| 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 | +/-0.205 | 0.590 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-013
Client Sample ID: MW-38_07292021
Collection Date: 7/29/2021 800h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

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web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1932h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1932h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.000500 | < 0.000500 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1631h | E200.7 | 10.0 | 472 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1932h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1932h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1631h | E200.7 | 1.00 | 183 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0100 | < 0.0100 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1155h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1313h | E200.7 | 1.00 | 33.0 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.00500 | 0.145 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1144h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1631h | E200.7 | 10.0 | 432 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1932h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1932h | E200.8 | 0.000500 | 0.00575 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1737h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1428h | E200.8 | 0.0100 | < 0.0100 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-013
Client Sample ID: MW-38_07292021
Collection Date: 7/29/2021 800h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

3440 South 700 West
 Salt Lake City, UT 84119

 Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

 Jennifer Osborn
 Laboratory Director

 Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1350h | E350.1 | 0.0500 | 0.0562 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 110 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/11/2021 316h | E300.0 | 20.0 | 44.3 | |
| Fluoride | mg/L | | 8/11/2021 1021h | E300.0 | 0.500 | 0.728 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -0.152 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/6/2021 1452h | E353.2 | 0.200 | 17.2 | |
| Sulfate | mg/L | | 8/11/2021 316h | E300.0 | 100 | 2,630 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 58.4 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 58.3 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 4,860 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.25 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 3,880 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-013A
Client Sample ID: MW-38_07292021
Collection Date: 7/29/2021 800h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 8/2/2021 924h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 47.6 | 50.00 | 95.2 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 53.7 | 50.00 | 107 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 46.1 | 50.00 | 92.3 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.3 | 50.00 | 98.7 | 81-123 | |

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07292021 Project: DNMI00100
Sample ID: 551444013 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 29-JUL-21 08:00
Receive Date: 02-AUG-21
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 | +/-0.236 | 0.528 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 1 |

The following Analytical Methods were performed:

| Method | Description | Analyst | Date | Time | Batch | Method |
|--------|-------------|---------|------|------|-------|--------|
| 1 | EPA 903.0 | | | | | |

| Surrogate/Tracer Recovery | Test | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier | GFPC, Total Alpha Radium, Liquid "As Received" | | | 108 | (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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-008
Client Sample ID: MW-39_07282021
Collection Date: 7/28/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
 Salt Lake City, UT 84119

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 web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

 Jose Rocha
 QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/16/2021 1132h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1800h | E200.8 | 0.000500 | 0.00562 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.000500 | 0.00303 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1621h | E200.7 | 10.0 | 452 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.0100 | 0.0669 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.0100 | 0.0277 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1454h | E200.8 | 1.00 | 13.4 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1800h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1621h | E200.7 | 1.00 | 206 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1454h | E200.8 | 0.0200 | 2.68 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1144h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.0200 | 0.0364 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1302h | E200.7 | 2.00 | 16.4 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.00500 | < 0.00500 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1038h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1621h | E200.7 | 10.0 | 508 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1800h | E200.8 | 0.000500 | 0.00348 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1800h | E200.8 | 0.000500 | 0.0117 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/11/2021 1800h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1417h | E200.8 | 0.0100 | 0.234 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-008
Client Sample ID: MW-39_07282021
Collection Date: 7/28/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

3440 South 700 West
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 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1346h | E350.1 | 0.0500 | 0.187 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/11/2021 031h | E300.0 | 20.0 | 42.7 | |
| Fluoride | mg/L | | 8/11/2021 736h | E300.0 | 0.500 | 0.727 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -4.35 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1430h | E353.2 | 0.100 | 2.50 | |
| Sulfate | mg/L | | 8/11/2021 031h | E300.0 | 100 | 3,190 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 67.7 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 62.0 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 5,080 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.15 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 4,420 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-008A
Client Sample ID: MW-39_07282021
Collection Date: 7/28/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1634h **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 | 47.0 | 50.00 | 94.0 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 52.9 | 50.00 | 106 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 44.7 | 50.00 | 89.3 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 48.8 | 50.00 | 97.5 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07282021 | Project: DNMI00100 |
| Sample ID: 551444008 | Client ID: DNMI001 |
| Matrix: Ground Water | |
| Collect Date: 28-JUL-21 14:50 | |
| Receive Date: 02-AUG-21 | |
| 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 | | 2.50 | +/-0.412 | 0.573 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-009
Client Sample ID: MW-40_07282021
Collection Date: 7/28/2021 1040h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

3440 South 700 West
 Salt Lake City, UT 84119

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 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.000500 | < 0.000500 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1623h | E200.7 | 10.0 | 459 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.0100 | 0.0113 | |
| Iron | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1623h | E200.7 | 1.00 | 187 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.0100 | 0.0732 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1146h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1305h | E200.7 | 1.00 | 9.94 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.00500 | 0.202 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1053h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1623h | E200.7 | 10.0 | 315 | |
| Thallium | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1421h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.000500 | 0.0199 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1729h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1826h | E200.8 | 0.0100 | < 0.0100 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-009
Client Sample ID: MW-40_07282021
Collection Date: 7/28/2021 1040h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

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web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1346h | E350.1 | 0.0500 | < 0.0500 | |
| Bicarbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 235 | |
| Carbonate (as CaCO3) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/11/2021 055h | E300.0 | 10.0 | 35.9 | |
| Fluoride | mg/L | | 8/11/2021 800h | E300.0 | 0.500 | 0.722 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | 2.29 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1433h | E353.2 | 0.100 | 2.85 | |
| Sulfate | mg/L | | 8/11/2021 055h | E300.0 | 50.0 | 2,120 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 49.9 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 52.3 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 4,290 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.31 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 3,270 | |



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-009A
Client Sample ID: MW-40_07282021
Collection Date: 7/28/2021 1040h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1653h **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 | 48.6 | 50.00 | 97.2 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 59.8 | 50.00 | 120 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 46.3 | 50.00 | 92.6 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 50.5 | 50.00 | 101 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07282021 Project: DNMI00100
Sample ID: 551444009 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 28-JUL-21 10:40
Receive Date: 02-AUG-21
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 | +/-0.202 | 0.416 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 1 |

The following Analytical Methods were performed:

| Method | Description | Analyst Comments | | | | | | | | | | | |
|--------|-------------|------------------|--|--|--|--|--|--|--|--|--|--|--|
| I | 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.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-005
Client Sample ID: MW-65_07272021
Collection Date: 7/27/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/L | 8/2/2021 943h | 8/16/2021 1100h | E200.8 | 0.00500 | < 0.00500 | |
| Beryllium | mg/L | 8/2/2021 943h | 8/16/2021 1231h | E200.8 | 0.000500 | < 0.000500 | |
| Cadmium | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.000500 | 0.00130 | |
| Calcium | mg/L | 8/2/2021 943h | 8/10/2021 1614h | E200.7 | 10.0 | 508 | |
| Chromium | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0250 | < 0.0250 | |
| Cobalt | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0100 | < 0.0100 | |
| Copper | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0100 | < 0.0100 | |
| Iron | mg/L | 8/2/2021 943h | 8/16/2021 1231h | E200.8 | 0.0300 | < 0.0300 | |
| Lead | mg/L | 8/2/2021 943h | 8/16/2021 1231h | E200.8 | 0.00100 | < 0.00100 | |
| Magnesium | mg/L | 8/2/2021 943h | 8/10/2021 1614h | E200.7 | 1.00 | 160 | |
| Manganese | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0100 | 1.85 | |
| Mercury | mg/L | 8/2/2021 1214h | 8/3/2021 1134h | E245.1 | 0.000500 | < 0.000500 | |
| Molybdenum | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0100 | < 0.0100 | |
| Nickel | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0200 | < 0.0200 | |
| Potassium | mg/L | 8/2/2021 943h | 8/12/2021 1256h | E200.7 | 1.00 | 14.3 | |
| Selenium | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.00500 | < 0.00500 | |
| Silver | mg/L | 8/13/2021 1610h | 8/16/2021 1027h | E200.8 | 0.0100 | < 0.0100 | |
| Sodium | mg/L | 8/2/2021 943h | 8/10/2021 1614h | E200.7 | 10.0 | 338 | |
| Thallium | mg/L | 8/2/2021 943h | 8/16/2021 1231h | E200.8 | 0.000500 | < 0.000500 | |
| Tin | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.100 | < 0.100 | |
| Uranium | mg/L | 8/2/2021 943h | 8/16/2021 1231h | E200.8 | 0.000500 | 0.0573 | |
| Vanadium | mg/L | 8/2/2021 943h | 8/10/2021 1720h | E200.7 | 0.0150 | < 0.0150 | |
| Zinc | mg/L | 8/2/2021 943h | 8/13/2021 1407h | E200.8 | 0.0100 | 0.0211 | |



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-005
Client Sample ID: MW-65_07272021
Collection Date: 7/27/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Ammonia (as N) | mg/L | 8/4/2021 1050h | 8/4/2021 1342h | E350.1 | 0.0500 | < 0.0500 | |
| Bicarbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | 415 | |
| Carbonate (as CaCO ₃) | mg/L | | 8/2/2021 1100h | SM2320B | 1.00 | < 1.00 | |
| Chloride | mg/L | | 8/10/2021 2233h | E300.0 | 10.0 | 19.2 | |
| Fluoride | mg/L | | 8/11/2021 1419h | E300.0 | 0.100 | 0.103 | |
| Ion Balance | % | | 8/11/2021 1058h | Calc. | -100 | -0.883 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/2/2021 1424h | E353.2 | 0.100 | < 0.100 | |
| Sulfate | mg/L | | 8/10/2021 2233h | E300.0 | 50.0 | 2,190 | |
| Total Anions, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 54.5 | |
| Total Cations, Measured | meq/L | | 8/11/2021 1058h | Calc. | | 53.5 | |
| Total Dissolved Solids | mg/L | | 7/30/2021 1345h | SM2540C | 20.0 | 4,230 | |
| Total Dissolved Solids Ratio, Measured/Calculated | | | 8/11/2021 1058h | Calc. | | 1.22 | |
| Total Dissolved Solids, Calculated | mg/L | | 8/11/2021 1058h | Calc. | | 3,480 | |

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web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-005A
Client Sample ID: MW-65_07272021
Collection Date: 7/27/2021 1450h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1534h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 46.6 | 50.00 | 93.1 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 54.8 | 50.00 | 110 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 44.6 | 50.00 | 89.2 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 48.6 | 50.00 | 97.1 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 25, 2021

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_07272021 Project: DNMI00100
Sample ID: 551444005 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 27-JUL-21 14:50
Receive Date: 02-AUG-21
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 | +/-0.143 | 0.523 | 1.00 | pCi/L | | | JXC9 | 08/23/21 | 1649 | 2157704 | 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



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Sample ID: 2107791-014A
Client Sample ID: Trip Blank
Collection Date: 7/27/2021 1125h
Received Date: 7/30/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 7/30/2021 1355h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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web: www.awal-labs.com

Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| 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 | 48.2 | 50.00 | 96.4 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 52.4 | 50.00 | 105 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 46.5 | 50.00 | 92.9 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.9 | 50.00 | 99.7 | 81-123 | |

\$ - This compound exceeded (low) the control limit for the CCV. The compound concentration is estimated and may be biased low.



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Ground Water 2021

Dear Tanner Holliday:

Lab Set ID: 2107637

American West Analytical Laboratories received sample(s) on 7/26/2021 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,

Jennifer Osborn
Digitally signed by
Jennifer Osborn
DN: cn=Jennifer Osborn,
o=AWAL, ou=Organics,
email=jenn@awal-labs.
com, c=US
Date: 2021.08.10
12:41:34 -06'00'

Approved by:

Laboratory Director or designee

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107637
Date Received: 7/26/2021 1055h

Contact: Tanner Holliday

3440 South 700 West
Salt Lake City, UT 84119

| <u>Lab Sample ID</u> | <u>Client Sample ID</u> | <u>Date Collected</u> | <u>Matrix</u> | <u>Analysis</u> |
|----------------------|-------------------------|-----------------------|---------------|-------------------------|
| 2107637-001A | MW-12_07212021 | 7/21/2021 1355h | Aqueous- | ICPMS Metals, Dissolved |

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107637

Sample Receipt Information:

Date of Receipt: 7/26/2021
Date of Collection: 7/21/2021
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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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107637
Project: 3rd Quarter Ground Water 2021

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-78567 | Date Analyzed: | | 08/02/2021 1346h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | | 07/27/2021 1057h | | | | | | | | | | |
| Selenium | 0.192 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 95.8 | 85 - 115 | | | | |
| Uranium | 0.198 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0 | 98.9 | 85 - 115 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107637
Project: 3rd Quarter Ground Water 2021

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-78567 | Date Analyzed: | 08/02/2021 | 1342h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 07/27/2021 | 1057h | | | | | | | | | | |
| Selenium | < 0.000200 | mg/L | E200.8 | 0.0000508 | 0.000200 | | | | | | | | |
| Uranium | < 0.000200 | mg/L | E200.8 | 0.0000176 | 0.000200 | | | | | | | | |



3440 South 700 West

Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107637
Project: 3rd Quarter Ground Water 2021

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: 2107637-001AMS | Date Analyzed: 08/02/2021 1401h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 07/27/2021 1057h | | | | | | | | | | | | |
| Selenium | 0.234 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0324 | 101 | 75 - 125 | | | | |
| Uranium | 0.224 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0222 | 101 | 75 - 125 | | | | |
| Lab Sample ID: 2107668-003AMS | Date Analyzed: 08/02/2021 1428h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 07/27/2021 1057h | | | | | | | | | | | | |
| Selenium | 0.200 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.00035 | 100 | 75 - 125 | | | | |
| Uranium | 0.219 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0158 | 102 | 75 - 125 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107637
Project: 3rd Quarter Ground Water 2021

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: 2107637-001AMSD | Date Analyzed: | 08/02/2021 | 1405h | | | | | | | | | | |
| Test Code: | 200.8-DIS | Date Prepared: | 07/27/2021 | 1057h | | | | | | | | | |
| Selenium | 0.251 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0324 | 109 | 75 - 125 | 0.234 | 7.09 | 20 | |
| Uranium | 0.246 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0222 | 112 | 75 - 125 | 0.224 | 9.38 | 20 | |
| Lab Sample ID: 2107668-003AMSD | Date Analyzed: | 08/02/2021 | 1435h | | | | | | | | | | |
| Test Code: | 200.8-DIS | Date Prepared: | 07/27/2021 | 1057h | | | | | | | | | |
| Selenium | 0.193 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.00035 | 96.4 | 75 - 125 | 0.2 | 3.65 | 20 | |
| Uranium | 0.207 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0158 | 95.5 | 75 - 125 | 0.219 | 5.74 | 20 | |

WORK ORDER Summary

Work Order: **2107637** Page 1 of 1

Client: Energy Fuels Resources, Inc.

Due Date: 8/9/2021

Client ID: ENE300

Contact: Tanner Holliday

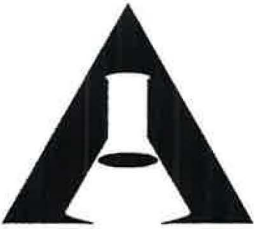
Project: 3rd Quarter Ground Water 2021

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.;

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage |
|--------------|------------------|-----------------|-----------------|--|-------------------|-----|-----------|
| 2107637-001A | MW-12_07212021 | 7/21/2021 1355h | 7/26/2021 1055h | 200.8-DIS <i>2 SEL Analytes: SE U</i> | Aqueous-Dissolved | | DF-Metals |
| | | | | 200.8-DIS-PR | | | DF-Metals |



American West Analytical Laboratories

463 W. 3600 S. Salt Lake City, UT 84115
 Phone # (801) 263-8686 Toll Free # (888) 263-8686
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 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.

2107637

AWAL Lab Sample Set #

Page 21 of 51

| 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 | | | | | | | | | | | | | |
| # of Containers | Sample Matrix | NO ₂ /NO ₃ (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) | VOCs Chloroform, Dichloromethane, Carbon Tetrachloride (8260D) | X Include EDD: LOCUS UPLOAD EXCEL | | Laboratory Use Only | |
| | | | | | | | | | | | | X Field Filtered For: Dissolved Metals | | Samples Were: <i>CCRS</i> | |
| | | | | | | | | | | | | For Compliance With: | | 3 Temperature <i>20.0 °C</i> | |
| | | | | | | | | | | | | <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other: | | 4 Received Broken/Leaking (Improperly Sealed) Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | |
| | | | | | | | | | | | | Known Hazards & Sample Comments | | 5 Properly Preserved Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Checked at bench Y <input type="checkbox"/> N <input type="checkbox"/> | |
| 15 | Sample ID: | Date Sampled | Time Sampled | | | | | | | | | | | 6 Received Within Holding Times Y <input checked="" type="checkbox"/> N <input type="checkbox"/> | |
| | MW-12_07212021 | 7/21/2021 | 1355 | 1 | W | | | | X | X | | | | 1 Present on Outer Package Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> | |
| | MW-32_07212021 | 7/21/2021 | 1210 | 1 | W | | | | | | | | | 2 Unbroken on Outer Package Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> | |
| 17 | | | | | | | | | | | | | | 3 Present on Sample Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> | |
| 18 | | | | | | | | | | | | | | 4 Unbroken on Sample Y <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/> | |
| 19 | | | | | | | | | | | | | | Discrepancies Between Sample Labels and COC Record? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | |
| 20 | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | |

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: **3rd Quarter Ground Water 2021**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

| | | | |
|--|--------------------|--|------------------|
| Relinquished by: Signature <i>Tanner Holliday</i> | Date: 7/22/2021 | Received by: Signature _____ | Date: _____ |
| Print Name: Tanner Holliday | Time: 1100 | Print Name: _____ | Time: _____ |
| Relinquished by: Signature _____ | Date: _____ | Received by: Signature <i>Elma D...</i> | Date: 7/26/21 |
| Print Name: _____ | Time: _____ | Print Name: Elma Haywood | Time: 1055 |
| 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: 2107 (P37)

pH Lot #: (C) 00

Preservation Check Sheet

Sample Set Extension and pH

| Analysis | Preservative | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| COD | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| Cyanide | pH >10 NaOH | | | | | | | | | | | | | | | | | | |
| Metals | pH <2 HNO ₃ | Yes | | | | | | | | | | | | | | | | | |
| NO ₂ /NO ₃ | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| Sulfide | pH >9 NaOH, ZnAC | | | | | | | | | | | | | | | | | | |
| TKN | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| T PO ₄ | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| Cr VI+ | pH >9 (NH ₄) ₂ SO ₄ | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |

- 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.



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Ground Water 2021

Dear Tanner Holliday:

Lab Set ID: 2107668

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 7/27/2021 for the analyses presented in the following report.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

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.

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

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.

This is a revision to a report originally issued 8/13/2021. Information herein supersedes that of the previously issued reports. Pages 1, 7, and 12-15 have been revised. Chloride has been added to this report.

Thank You,

Approved by:

| | |
|--------------------------|---|
| Jose G. Rocha | Digitally signed by Jose G. Rocha Date: 2021.09.30 16:33:16 -06'00' |
|--------------------------|---|

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107668
Date Received: 7/27/2021 955h

Contact: Tanner Holliday

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|--------------------------------|
| 2107668-001A | MW-27_07222021 | 7/22/2021 1220h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107668-002A | MW-28_07232021 | 7/23/2021 1115h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107668-002B | MW-28_07232021 | 7/23/2021 1115h | Aqueous | Anions, E300.0 |
| 2107668-002C | MW-28_07232021 | 7/23/2021 1115h | Aqueous | ICPMS Metals, Dissolved |
| 2107668-003A | MW-29_07222021 | 7/22/2021 1320h | Aqueous | ICPMS Metals, Dissolved |

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107668

3440 South 700 West
 Salt Lake City, UT 84119

Sample Receipt Information:

Date of Receipt: 7/27/2021
Date of Collection: 7/22-7/23/2021
Sample Condition: Intact
C-O-C Discrepancies: None

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

web: www.awal-labs.com

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.

Jennifer Osborn
 Laboratory Director

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Jose Rocha
 QA Officer

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 exception:

| Sample ID | Analyte | QC | Explanation |
|--------------|-----------------|--------|--|
| 2107668-002A | Nitrate/Nitrite | MS/RPD | Sample matrix interference or sample non-homogeneity |

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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-78567 | Date Analyzed: | 08/02/2021 | 1346h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 07/27/2021 | 1057h | | | | | | | | | | |
| Selenium | 0.192 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 95.8 | 85 - 115 | | | | |
| Uranium | 0.198 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0 | 98.9 | 85 - 115 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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-78567 | Date Analyzed: | 08/02/2021 | 1342h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 07/27/2021 | 1057h | | | | | | | | | | |
| 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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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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: 2107637-001AMS | Date Analyzed: 08/02/2021 1401h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 07/27/2021 1057h | | | | | | | | | | | | |
| Selenium | 0.234 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0324 | 101 | 75 - 125 | | | | |
| Uranium | 0.224 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0222 | 101 | 75 - 125 | | | | |
| Lab Sample ID: 2107668-003AMS | Date Analyzed: 08/02/2021 1428h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 07/27/2021 1057h | | | | | | | | | | | | |
| Selenium | 0.200 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.00035 | 100 | 75 - 125 | | | | |
| Uranium | 0.219 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0158 | 102 | 75 - 125 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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: 2107637-001AMSD | | Date Analyzed: 08/02/2021 1405h | | | | | | | | | | | |
| Test Code: 200.8-DIS | | Date Prepared: 07/27/2021 1057h | | | | | | | | | | | |
| Selenium | 0.251 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0324 | 109 | 75 - 125 | 0.234 | 7.09 | 20 | |
| Uranium | 0.246 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0222 | 112 | 75 - 125 | 0.224 | 9.38 | 20 | |
| Lab Sample ID: 2107668-003AMSD | | Date Analyzed: 08/02/2021 1435h | | | | | | | | | | | |
| Test Code: 200.8-DIS | | Date Prepared: 07/27/2021 1057h | | | | | | | | | | | |
| Selenium | 0.193 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.00035 | 96.4 | 75 - 125 | 0.2 | 3.65 | 20 | |
| Uranium | 0.207 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.0158 | 95.5 | 75 - 125 | 0.219 | 5.74 | 20 | |



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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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-R155082 | Date Analyzed: 08/03/2021 1853h | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.98 | mg/L | E300.0 | 0.0198 | 0.100 | 5.000 | 0 | 99.7 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R154940 | Date Analyzed: 08/02/2021 1359h | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 1.02 | mg/L | E353.2 | 0.00541 | 0.0100 | 1.000 | 0 | 102 | 90 - 110 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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-R155082 | Date Analyzed: 08/03/2021 1829h | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.0198 | 0.100 | | | | | | | | |
| Lab Sample ID: MB-R154940 | Date Analyzed: 08/02/2021 1357h | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00541 | 0.0100 | | | | | | | | |



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686. Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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: 2107668-002BMS Date Analyzed: 08/03/2021 2335h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,160 | mg/L | E300.0 | 3.96 | 20.0 | 1,000 | 152 | 100 | 90 - 110 | | | | |
| Lab Sample ID: 2107668-002AMS Date Analyzed: 08/02/2021 1414h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 19.3 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 6.09 | 132 | 90 - 110 | | | | |
| Lab Sample ID: 2107791-006DMS Date Analyzed: 08/02/2021 1426h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 9.74 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0 | 97.4 | 90 - 110 | | | | |

¹ - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107668
Project: 3rd Quarter Ground Water 2021

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: 2107668-002BMSD Date Analyzed: 08/03/2021 2358h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,150 | mg/L | E300.0 | 3.96 | 20.0 | 1,000 | 152 | 99.7 | 90 - 110 | 1160 | 0.578 | 20 | |
| Lab Sample ID: 2107668-002AMSD Date Analyzed: 08/02/2021 1415h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 16.0 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 6.09 | 99.1 | 90 - 110 | 19.3 | 18.7 | 10 | @ |
| Lab Sample ID: 2107791-006DMSD Date Analyzed: 08/02/2021 1427h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 10.5 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0 | 105 | 90 - 110 | 9.74 | 7.51 | 10 | |

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

WORK ORDER Summary

Work Order: **2107668**

Page 1 of 1

Client: Energy Fuels Resources, Inc.

Due Date: 8/10/2021

Client ID: ENE300

Contact: Tanner Holliday

Project: 3rd Quarter Ground Water 2021

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.;

el

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|--------------|------------------|-----------------|-----------------|---|---------|--------------------|---|
| 2107668-001A | MW-27_07222021 | 7/22/2021 1220h | 7/27/2021 0955h | NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i> | Aqueous | df - no2/no3 & nh3 | 1 |
| 2107668-002A | MW-28_07232021 | 7/23/2021 1115h | 7/27/2021 0955h | NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i> | Aqueous | df - no2/no3 & nh3 | 1 |
| 2107668-002B | | | | 300.0-W <i>1 SEL Analytes: CL</i> | | df - cl | |
| 2107668-002C | | | | 200.8-DIS <i>2 SEL Analytes: SE U</i> | | df - metals | |
| | | | | 200.8-DIS-PR | | df - metals | |
| 2107668-003A | MW-29_07222021 | 7/22/2021 1320h | 7/27/2021 0955h | 200.8-DIS <i>1 SEL Analytes: U</i> | Aqueous | DF-Metals | 1 |
| | | | | 200.8-DIS-PR | | DF-Metals | |



**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.

2107668

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 | | | | | | | | | | | | | | | |
| 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 (4500.F.C or 300.0) | SO4 (4500 or 300.0) | VOCs Chloroform, Dichloromethane, Carbon Tetrachloride (8260D) | Laboratory Use Only | | |
| | | | | | | | | | | | | | | | 1 | 2 | |
| MW-27_07222021 | 7/22/2021 | 1220 | 1 | W | X | | | | | | | | | | | X Include EDD: LOCUS UPLOAD EXCEL X Field Filtered For: Dissolved Metals | Samples Were: 1 Shipped or hand delivered 2 Ambient or Chilled 3 Temperature 1.8 °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) |
| MW-28_07232021 | 7/23/2021 | 1115 | 3 | W | X | X | | | X | | X | | | | | 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 | |
| MW-29_07222021 | 7/22/2021 | 1320 | 1 | W | | | | | X | | | | | | | Discrepancies Between Sample Labels and COC Record? Y (N) | |
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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: **3rd Quarter Ground Water 2021**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

| 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 (4500.F.C or 300.0) | SO4 (4500 or 300.0) | VOCs Chloroform, Dichloromethane, Carbon Tetrachloride (8260D) | Known Hazards & Sample Comments |
|----------------|--------------|--------------|-----------------|---------------|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|------------------------------|---------------------|--|---------------------------------|
| MW-27_07222021 | 7/22/2021 | 1220 | 1 | W | X | | | | | | | | | | |
| MW-28_07232021 | 7/23/2021 | 1115 | 3 | W | X | X | | | X | | X | | | | |
| MW-29_07222021 | 7/22/2021 | 1320 | 1 | W | | | | | X | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | |
|---|-----------------|--|---------------|
| Relinquished by: Signature <i>Tanner Holliday</i> | Date: 7/26/2021 | Received by: Signature <i>Elma Hayward</i> | Date: 7-27-21 |
| Print Name: Tanner Holliday | Time: 1100 | Print Name: Elma Hayward | Time: 955 |
| 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 | 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: 2107668

pH Lot #: 6700

Preservation Check Sheet

Sample Set Extension and pH

| Analysis | Preservative | 1 | 2 | 3 | | | | | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| COD | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Cyanide | pH >10 NaOH | | | | | | | | | | | | | | | | | |
| Metals | pH <2 HNO ₃ | | yes | yes | | | | | | | | | | | | | | |
| NO ₂ /NO ₃ | pH <2 H ₂ SO ₄ | yes | yes | yes | | | | | | | | | | | | | | |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Sulfide | pH >9 NaOH, ZnAC | | | | | | | | | | | | | | | | | |
| TKN | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| T PO ₄ | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Cr VI+ | pH >9 (NH ₄) ₂ SO ₄ | | | | | | | | | | | | | | | | | |
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- 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.



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Ground Water 2021

Dear Tanner Holliday:

Lab Set ID: 2107791

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 7/30/2021 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.

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e-mail: awal@awal-labs.com
web: www.awal-labs.com

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.

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

| | |
|--------------------------|---|
| Jose G. Rocha | Digitally signed by Jose G. Rocha Date: 2021.08.24 16:11:46 -06'00' |
|--------------------------|---|

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107791
Date Received: 7/30/2021 1100h

Contact: Tanner Holliday

3440 South 700 West
Salt Lake City, UT 84119

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 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|---|
| 2107791-001A | MW-11_07272021 | 7/27/2021 1125h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-001B | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Anions, E300.0 |
| 2107791-001B | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-001C | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-001D | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-001D | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Ammonia, Aqueous |
| 2107791-001E | MW-11_07272021 | 7/27/2021 1125h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-001E | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-001E | MW-11_07272021 | 7/27/2021 1125h | Aqueous | ICP Metals, Dissolved |
| 2107791-001E | MW-11_07272021 | 7/27/2021 1125h | Aqueous | Ion Balance |
| 2107791-002A | MW-14_07272021 | 7/27/2021 1450h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-002B | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Anions, E300.0 |
| 2107791-002B | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-002C | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-002D | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Ammonia, Aqueous |
| 2107791-002D | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-002E | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-002E | MW-14_07272021 | 7/27/2021 1450h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-002E | MW-14_07272021 | 7/27/2021 1450h | Aqueous | Ion Balance |
| 2107791-002E | MW-14_07272021 | 7/27/2021 1450h | Aqueous | ICP Metals, Dissolved |
| 2107791-003A | MW-31_07272021 | 7/27/2021 1255h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-003B | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Anions, E300.0 |
| 2107791-003B | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-003C | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-003D | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-003D | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Ammonia, Aqueous |
| 2107791-003E | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Ion Balance |
| 2107791-003E | MW-31_07272021 | 7/27/2021 1255h | Aqueous | ICP Metals, Dissolved |
| 2107791-003E | MW-31_07272021 | 7/27/2021 1255h | Aqueous | ICPMS Metals, Dissolved |



Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107791
Date Received: 7/30/2021 1100h

Contact: Tanner Holliday

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|---|
| 2107791-003E | MW-31_07272021 | 7/27/2021 1255h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-004A | MW-36_07272021 | 7/27/2021 1425h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-004B | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-004B | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Anions, E300.0 |
| 2107791-004C | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-004D | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-004D | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Ammonia, Aqueous |
| 2107791-004E | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Ion Balance |
| 2107791-004E | MW-36_07272021 | 7/27/2021 1425h | Aqueous | ICP Metals, Dissolved |
| 2107791-004E | MW-36_07272021 | 7/27/2021 1425h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-004E | MW-36_07272021 | 7/27/2021 1425h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-005A | MW-65_07272021 | 7/27/2021 1450h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-005B | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Anions, E300.0 |
| 2107791-005B | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-005C | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-005D | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-005D | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Ammonia, Aqueous |
| 2107791-005E | MW-65_07272021 | 7/27/2021 1450h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-005E | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-005E | MW-65_07272021 | 7/27/2021 1450h | Aqueous | Ion Balance |
| 2107791-005E | MW-65_07272021 | 7/27/2021 1450h | Aqueous | ICP Metals, Dissolved |
| 2107791-006A | MW-25_07282021 | 7/28/2021 1000h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-006B | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Anions, E300.0 |
| 2107791-006B | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-006C | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-006D | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-006D | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Ammonia, Aqueous |
| 2107791-006E | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Ion Balance |
| 2107791-006E | MW-25_07282021 | 7/28/2021 1000h | Aqueous | Mercury, Drinking Water Dissolved |

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web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107791
Date Received: 7/30/2021 1100h

Contact: Tanner Holliday

3440 South 700 West
 Salt Lake City, UT 84119

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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|---|
| 2107791-006E | MW-25_07282021 | 7/28/2021 1000h | Aqueous | ICP Metals, Dissolved |
| 2107791-006E | MW-25_07282021 | 7/28/2021 1000h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-007A | MW-26_07282021 | 7/28/2021 1300h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-007B | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Anions, E300.0 |
| 2107791-007B | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-007C | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-007D | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-007D | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Ammonia, Aqueous |
| 2107791-007E | MW-26_07282021 | 7/28/2021 1300h | Aqueous | ICP Metals, Dissolved |
| 2107791-007E | MW-26_07282021 | 7/28/2021 1300h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-007E | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-007E | MW-26_07282021 | 7/28/2021 1300h | Aqueous | Ion Balance |
| 2107791-008A | MW-39_07282021 | 7/28/2021 1450h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-008B | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Anions, E300.0 |
| 2107791-008B | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-008C | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-008D | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-008D | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Ammonia, Aqueous |
| 2107791-008E | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Ion Balance |
| 2107791-008E | MW-39_07282021 | 7/28/2021 1450h | Aqueous | ICP Metals, Dissolved |
| 2107791-008E | MW-39_07282021 | 7/28/2021 1450h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-008E | MW-39_07282021 | 7/28/2021 1450h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-009A | MW-40_07282021 | 7/28/2021 1040h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-009B | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Anions, E300.0 |
| 2107791-009B | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-009C | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-009D | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-009D | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Ammonia, Aqueous |
| 2107791-009E | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-009E | MW-40_07282021 | 7/28/2021 1040h | Aqueous | Ion Balance |



Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107791
Date Received: 7/30/2021 1100h

Contact: Tanner Holliday

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 Salt Lake City, UT 84119

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Jennifer Osborn
 Laboratory Director

 Jose Rocha
 QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|---|
| 2107791-009E | MW-40_07282021 | 7/28/2021 1040h | Aqueous | ICP Metals, Dissolved |
| 2107791-009E | MW-40_07282021 | 7/28/2021 1040h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-010A | MW-24_07292021 | 7/29/2021 710h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-010B | MW-24_07292021 | 7/29/2021 710h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-010B | MW-24_07292021 | 7/29/2021 710h | Aqueous | Anions, E300.0 |
| 2107791-010C | MW-24_07292021 | 7/29/2021 710h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-010D | MW-24_07292021 | 7/29/2021 710h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-010D | MW-24_07292021 | 7/29/2021 710h | Aqueous | Ammonia, Aqueous |
| 2107791-010E | MW-24_07292021 | 7/29/2021 710h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-010E | MW-24_07292021 | 7/29/2021 710h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-010E | MW-24_07292021 | 7/29/2021 710h | Aqueous | ICP Metals, Dissolved |
| 2107791-010E | MW-24_07292021 | 7/29/2021 710h | Aqueous | Ion Balance |
| 2107791-011A | MW-24A_07292021 | 7/29/2021 700h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-011B | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Anions, E300.0 |
| 2107791-011B | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-011C | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-011D | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Ammonia, Aqueous |
| 2107791-011D | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-011E | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-011E | MW-24A_07292021 | 7/29/2021 700h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-011E | MW-24A_07292021 | 7/29/2021 700h | Aqueous | Ion Balance |
| 2107791-011E | MW-24A_07292021 | 7/29/2021 700h | Aqueous | ICP Metals, Dissolved |
| 2107791-012A | MW-30_07292021 | 7/29/2021 950h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-012B | MW-30_07292021 | 7/29/2021 950h | Aqueous | Anions, E300.0 |
| 2107791-012B | MW-30_07292021 | 7/29/2021 950h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-012C | MW-30_07292021 | 7/29/2021 950h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-012D | MW-30_07292021 | 7/29/2021 950h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-012D | MW-30_07292021 | 7/29/2021 950h | Aqueous | Ammonia, Aqueous |
| 2107791-012E | MW-30_07292021 | 7/29/2021 950h | Aqueous | Ion Balance |
| 2107791-012E | MW-30_07292021 | 7/29/2021 950h | Aqueous | ICP Metals, Dissolved |
| 2107791-012E | MW-30_07292021 | 7/29/2021 950h | Aqueous | ICPMS Metals, Dissolved |



Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107791
Date Received: 7/30/2021 1100h

Contact: Tanner Holliday

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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|---|
| 2107791-012E | MW-30_07292021 | 7/29/2021 950h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-013A | MW-38_07292021 | 7/29/2021 800h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-013B | MW-38_07292021 | 7/29/2021 800h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, Low Level |
| 2107791-013B | MW-38_07292021 | 7/29/2021 800h | Aqueous | Anions, E300.0 |
| 2107791-013C | MW-38_07292021 | 7/29/2021 800h | Aqueous | Total Dissolved Solids, A2540C |
| 2107791-013D | MW-38_07292021 | 7/29/2021 800h | Aqueous | Ammonia, Aqueous |
| 2107791-013D | MW-38_07292021 | 7/29/2021 800h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2107791-013E | MW-38_07292021 | 7/29/2021 800h | Aqueous | Ion Balance |
| 2107791-013E | MW-38_07292021 | 7/29/2021 800h | Aqueous | ICP Metals, Dissolved |
| 2107791-013E | MW-38_07292021 | 7/29/2021 800h | Aqueous | ICPMS Metals, Dissolved |
| 2107791-013E | MW-38_07292021 | 7/29/2021 800h | Aqueous | Mercury, Drinking Water Dissolved |
| 2107791-014A | Trip Blank | 7/27/2021 1125h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2107791-015A | MW-32_07282021 | 7/28/2021 1515h | Aqueous | Anions, E300.0 |



Inorganic Case Narrative

| | |
|--------------------|-------------------------------|
| Client: | Energy Fuels Resources, Inc. |
| Contact: | Tanner Holliday |
| Project: | 3rd Quarter Ground Water 2021 |
| Lab Set ID: | 2107791 |

Sample Receipt Information:

| | |
|-----------------------------|----------------|
| Date of Receipt: | 7/30/2021 |
| Date of Collection: | 7/27-7/29/2021 |
| Sample Condition: | Intact |
| C-O-C Discrepancies: | None |

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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:

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

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 |
|--------------|-----------------|--------|--|
| 2107668-002A | Nitrate/Nitrite | MS/RPD | Sample matrix interference and/or sample non-homogeneity |
| 2107791-002E | Calcium | MSD | High analyte concentration |
| 2107791-002E | Magnesium | MSD | High analyte concentration |
| 2107791-002E | Manganese | MS/MSD | High analyte concentration |
| 2107791-002E | Sodium | MSD | High analyte concentration |
| 2107791-003E | Calcium | MS/MSD | High analyte concentration |
| 2107791-003E | Magnesium | MSD | High analyte concentration |
| 2107791-010D | Nitrate/Nitrite | MS/MSD | Sample matrix interference and/or sample non-homogeneity |

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 3rd Quarter Ground Water 2021
Lab Set ID: 2107791

Sample Receipt Information:

Date of Receipt: 7/30/2021
Date of Collection: 7/27-7/29/2021
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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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2107791

Project: 3rd Quarter Ground Water 2021

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-78683 | | | | | | | | | | | | | |
| Date Analyzed: 08/10/2021 1449h | | | | | | | | | | | | | |
| Test Code: 200.7-DIS | | | | | | | | | | | | | |
| Date Prepared: 08/02/2021 943h | | | | | | | | | | | | | |
| Calcium | 10.2 | mg/L | E200.7 | 0.0434 | 1.00 | 10.00 | 0 | 102 | 85 - 115 | | | | |
| Magnesium | 10.2 | mg/L | E200.7 | 0.0138 | 0.100 | 10.00 | 0 | 102 | 85 - 115 | | | | |
| Potassium | 10.2 | mg/L | E200.7 | 0.177 | 1.00 | 10.00 | 0 | 102 | 85 - 115 | | | | |
| Sodium | 9.91 | mg/L | E200.7 | 0.323 | 1.00 | 10.00 | 0 | 99.1 | 85 - 115 | | | | |
| Vanadium | 0.202 | mg/L | E200.7 | 0.00137 | 0.00500 | 0.2000 | 0 | 101 | 85 - 115 | | | | |
| Lab Sample ID: LCS-78684 | | | | | | | | | | | | | |
| Date Analyzed: 08/13/2021 1316h | | | | | | | | | | | | | |
| Test Code: 200.8-DIS | | | | | | | | | | | | | |
| Date Prepared: 08/02/2021 943h | | | | | | | | | | | | | |
| Arsenic | 0.205 | mg/L | E200.8 | 0.000298 | 0.00200 | 0.2000 | 0 | 102 | 85 - 115 | | | | |
| Beryllium | 0.199 | mg/L | E200.8 | 0.000198 | 0.00200 | 0.2000 | 0 | 99.6 | 85 - 115 | | | | |
| Cadmium | 0.201 | mg/L | E200.8 | 0.0000742 | 0.000500 | 0.2000 | 0 | 100 | 85 - 115 | | | | |
| Chromium | 0.201 | mg/L | E200.8 | 0.000920 | 0.00200 | 0.2000 | 0 | 100 | 85 - 115 | | | | |
| Cobalt | 0.192 | mg/L | E200.8 | 0.000300 | 0.00400 | 0.2000 | 0 | 95.8 | 85 - 115 | | | | |
| Copper | 0.199 | mg/L | E200.8 | 0.00111 | 0.00200 | 0.2000 | 0 | 99.4 | 85 - 115 | | | | |
| Iron | 1.00 | mg/L | E200.8 | 0.0312 | 0.100 | 1.000 | 0 | 100 | 85 - 115 | | | | |
| Lead | 0.193 | mg/L | E200.8 | 0.000588 | 0.00200 | 0.2000 | 0 | 96.4 | 85 - 115 | | | | |
| Manganese | 0.202 | mg/L | E200.8 | 0.000930 | 0.00200 | 0.2000 | 0 | 101 | 85 - 115 | | | | |
| Molybdenum | 0.203 | mg/L | E200.8 | 0.000884 | 0.00200 | 0.2000 | 0 | 102 | 85 - 115 | | | | |
| Nickel | 0.198 | mg/L | E200.8 | 0.000584 | 0.00200 | 0.2000 | 0 | 98.9 | 85 - 115 | | | | |
| Selenium | 0.193 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 96.4 | 85 - 115 | | | | |
| Thallium | 0.191 | mg/L | E200.8 | 0.000418 | 0.00200 | 0.2000 | 0 | 95.6 | 85 - 115 | | | | |
| Tin | 0.962 | mg/L | E200.8 | 0.000968 | 0.00400 | 1.000 | 0 | 96.2 | 85 - 115 | | | | |
| Uranium | 0.196 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0 | 98.2 | 85 - 115 | | | | |
| Zinc | 1.00 | mg/L | E200.8 | 0.00418 | 0.00600 | 1.000 | 0 | 100 | 85 - 115 | | | | |



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Jennifer Osborn
 Laboratory Director

Jose Rocha
 QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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-78951 | Date Analyzed: | 08/16/2021 | 1009h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 08/13/2021 | 1610h | | | | | | | | | | |
| Silver | 0.190 | mg/L | E200.8 | 0.000232 | 0.00200 | 0.2000 | 0 | 95.2 | 85 - 115 | | | | |
| Lab Sample ID: LCS-78693 | Date Analyzed: | 08/03/2021 | 1112h | | | | | | | | | | |
| Test Code: HG-DW-DIS-245.1 | Date Prepared: | 08/02/2021 | 1214h | | | | | | | | | | |
| Mercury | 0.00330 | mg/L | E245.1 | 0.0000396 | 0.0000900 | 0.003330 | 0 | 99.1 | 85 - 115 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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-78683 | | | | | | | | | | | | | |
| Date Analyzed: 08/10/2021 1447h | | | | | | | | | | | | | |
| Test Code: 200.7-DIS | | | | | | | | | | | | | |
| Date Prepared: 08/02/2021 943h | | | | | | | | | | | | | |
| Calcium | < 1.00 | mg/L | E200.7 | 0.0434 | 1.00 | | | | | | | | |
| Magnesium | < 0.100 | mg/L | E200.7 | 0.0138 | 0.100 | | | | | | | | |
| Potassium | < 1.00 | mg/L | E200.7 | 0.177 | 1.00 | | | | | | | | |
| Sodium | < 1.00 | mg/L | E200.7 | 0.323 | 1.00 | | | | | | | | |
| Vanadium | < 0.00500 | mg/L | E200.7 | 0.00137 | 0.00500 | | | | | | | | |
| Lab Sample ID: MB-78684 | | | | | | | | | | | | | |
| Date Analyzed: 08/13/2021 1312h | | | | | | | | | | | | | |
| Test Code: 200.8-DIS | | | | | | | | | | | | | |
| Date Prepared: 08/02/2021 943h | | | | | | | | | | | | | |
| 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 | 0.000920 | 0.00200 | | | | | | | | |
| Cobalt | < 0.00400 | mg/L | E200.8 | 0.000300 | 0.00400 | | | | | | | | |
| Copper | < 0.00200 | mg/L | E200.8 | 0.00111 | 0.00200 | | | | | | | | |
| Manganese | < 0.00200 | mg/L | E200.8 | 0.000930 | 0.00200 | | | | | | | | |
| Molybdenum | < 0.00200 | mg/L | E200.8 | 0.000884 | 0.00200 | | | | | | | | |
| Nickel | < 0.00200 | mg/L | E200.8 | 0.000584 | 0.00200 | | | | | | | | |
| Selenium | < 0.00200 | mg/L | E200.8 | 0.000508 | 0.00200 | | | | | | | | |
| Tin | < 0.00400 | mg/L | E200.8 | 0.000968 | 0.00400 | | | | | | | | |
| Zinc | < 0.00600 | mg/L | E200.8 | 0.00418 | 0.00600 | | | | | | | | |
| Lab Sample ID: MB-78684 | | | | | | | | | | | | | |
| Date Analyzed: 08/13/2021 1526h | | | | | | | | | | | | | |
| Test Code: 200.8-DIS | | | | | | | | | | | | | |
| Date Prepared: 08/02/2021 943h | | | | | | | | | | | | | |
| Beryllium | < 0.000200 | mg/L | E200.8 | 0.0000198 | 0.000200 | | | | | | | | |
| Iron | < 0.0100 | mg/L | E200.8 | 0.00312 | 0.0100 | | | | | | | | |
| Lead | < 0.000200 | mg/L | E200.8 | 0.0000588 | 0.000200 | | | | | | | | |
| Thallium | < 0.000200 | mg/L | E200.8 | 0.0000418 | 0.000200 | | | | | | | | |
| Uranium | < 0.000200 | mg/L | E200.8 | 0.0000176 | 0.000200 | | | | | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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-78951 | Date Analyzed: | 08/16/2021 | 1005h | | | | | | | | | | |
| Test Code: | 200.8-DIS | Date Prepared: | 08/13/2021 | 1610h | | | | | | | | | |
| Silver | < 0.00200 | mg/L | E200.8 | 0.000232 | 0.00200 | | | | | | | | |
| Lab Sample ID: MB-78693 | Date Analyzed: | 08/03/2021 | 1110h | | | | | | | | | | |
| Test Code: | HG-DW-DIS-245.1 | Date Prepared: | 08/02/2021 | 1214h | | | | | | | | | |
| Mercury | < 0.0000900 | mg/L | E245.1 | 0.0000396 | 0.0000900 | | | | | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-002EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1550h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Calcium | 516 | mg/L | E200.7 | 0.434 | 10.0 | 10.00 | 505 | 107 | 70 - 130 | | | | |
| Magnesium | 168 | mg/L | E200.7 | 0.138 | 1.00 | 10.00 | 157 | 110 | 70 - 130 | | | | |
| Sodium | 344 | mg/L | E200.7 | 3.23 | 10.0 | 10.00 | 334 | 99.7 | 70 - 130 | | | | |
| Lab Sample ID: 2107791-003EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1556h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Calcium | 411 | mg/L | E200.7 | 0.434 | 10.0 | 10.00 | 395 | 153 | 70 - 130 | | | | 2 |
| Magnesium | 194 | mg/L | E200.7 | 0.138 | 1.00 | 10.00 | 182 | 126 | 70 - 130 | | | | |
| Sodium | 143 | mg/L | E200.7 | 3.23 | 10.0 | 10.00 | 132 | 115 | 70 - 130 | | | | |
| Lab Sample ID: 2107791-002EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1700h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Potassium | 27.0 | mg/L | E200.7 | 0.177 | 1.00 | 10.00 | 14.7 | 123 | 70 - 130 | | | | |
| Vanadium | 0.210 | mg/L | E200.7 | 0.00137 | 0.00500 | 0.2000 | 0 | 105 | 70 - 130 | | | | |
| Lab Sample ID: 2107791-003EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1707h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Potassium | 21.5 | mg/L | E200.7 | 0.177 | 1.00 | 10.00 | 9.58 | 119 | 70 - 130 | | | | |
| Vanadium | 0.209 | mg/L | E200.7 | 0.00137 | 0.00500 | 0.2000 | 0 | 105 | 70 - 130 | | | | |
| Lab Sample ID: 2107791-002EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1330h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Arsenic | 0.219 | mg/L | E200.8 | 0.000298 | 0.00200 | 0.2000 | 0.000334 | 109 | 75 - 125 | | | | |
| Beryllium | 0.194 | mg/L | E200.8 | 0.000198 | 0.00200 | 0.2000 | 0 | 96.9 | 75 - 125 | | | | |
| Cadmium | 0.201 | mg/L | E200.8 | 0.0000742 | 0.000500 | 0.2000 | 0.00163 | 99.9 | 75 - 125 | | | | |
| Chromium | 0.201 | mg/L | E200.8 | 0.000920 | 0.00200 | 0.2000 | 0 | 101 | 75 - 125 | | | | |
| Cobalt | 0.196 | mg/L | E200.8 | 0.000300 | 0.00400 | 0.2000 | 0.00238 | 96.6 | 75 - 125 | | | | |
| Copper | 0.197 | mg/L | E200.8 | 0.00111 | 0.00200 | 0.2000 | 0 | 98.6 | 75 - 125 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2107791

Project: 3rd Quarter Ground Water 2021

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: 2107791-002EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1330h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Iron | 1.02 | mg/L | E200.8 | 0.0312 | 0.100 | 1.000 | 0 | 102 | 75 - 125 | | | | |
| Lead | 0.189 | mg/L | E200.8 | 0.000588 | 0.00200 | 0.2000 | 0 | 94.3 | 75 - 125 | | | | |
| Manganese | 2.06 | mg/L | E200.8 | 0.000930 | 0.00200 | 0.2000 | 1.84 | 113 | 75 - 125 | | | | |
| Molybdenum | 0.223 | mg/L | E200.8 | 0.000884 | 0.00200 | 0.2000 | 0.00523 | 109 | 75 - 125 | | | | |
| Nickel | 0.204 | mg/L | E200.8 | 0.000584 | 0.00200 | 0.2000 | 0.00453 | 99.8 | 75 - 125 | | | | |
| Selenium | 0.200 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 100 | 75 - 125 | | | | |
| Thallium | 0.187 | mg/L | E200.8 | 0.000418 | 0.00200 | 0.2000 | 0 | 93.7 | 75 - 125 | | | | |
| Tin | 1.02 | mg/L | E200.8 | 0.000968 | 0.00400 | 1.000 | 0 | 102 | 75 - 125 | | | | |
| Uranium | 0.257 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.06 | 98.5 | 75 - 125 | | | | |
| Zinc | 1.03 | mg/L | E200.8 | 0.00418 | 0.00600 | 1.000 | 0.0152 | 101 | 75 - 125 | | | | |
| Lab Sample ID: 2107791-003EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1341h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Arsenic | 0.223 | mg/L | E200.8 | 0.000298 | 0.00200 | 0.2000 | 0.000529 | 111 | 75 - 125 | | | | |
| Beryllium | 0.195 | mg/L | E200.8 | 0.000198 | 0.00200 | 0.2000 | 0 | 97.6 | 75 - 125 | | | | |
| Cadmium | 0.206 | mg/L | E200.8 | 0.0000742 | 0.000500 | 0.2000 | 0.0000755 | 103 | 75 - 125 | | | | |
| Chromium | 0.202 | mg/L | E200.8 | 0.000920 | 0.00200 | 0.2000 | 0 | 101 | 75 - 125 | | | | |
| Cobalt | 0.194 | mg/L | E200.8 | 0.000300 | 0.00400 | 0.2000 | 0 | 97.0 | 75 - 125 | | | | |
| Copper | 0.199 | mg/L | E200.8 | 0.00111 | 0.00200 | 0.2000 | 0.00123 | 98.8 | 75 - 125 | | | | |
| Iron | 1.03 | mg/L | E200.8 | 0.0312 | 0.100 | 1.000 | 0 | 103 | 75 - 125 | | | | |
| Lead | 0.191 | mg/L | E200.8 | 0.000588 | 0.00200 | 0.2000 | 0 | 95.7 | 75 - 125 | | | | |
| Manganese | 0.204 | mg/L | E200.8 | 0.000930 | 0.00200 | 0.2000 | 0 | 102 | 75 - 125 | | | | |
| Molybdenum | 0.220 | mg/L | E200.8 | 0.000884 | 0.00200 | 0.2000 | 0.00367 | 108 | 75 - 125 | | | | |
| Nickel | 0.199 | mg/L | E200.8 | 0.000584 | 0.00200 | 0.2000 | 0 | 99.6 | 75 - 125 | | | | |
| Selenium | 0.290 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0865 | 102 | 75 - 125 | | | | |
| Thallium | 0.190 | mg/L | E200.8 | 0.000418 | 0.00200 | 0.2000 | 0 | 95.2 | 75 - 125 | | | | |
| Tin | 1.02 | mg/L | E200.8 | 0.000968 | 0.00400 | 1.000 | 0 | 102 | 75 - 125 | | | | |



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-003EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1341h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Uranium | 0.217 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.02 | 98.6 | 75 - 125 | | | | |
| Zinc | 1.03 | mg/L | E200.8 | 0.00418 | 0.00600 | 1.000 | 0 | 103 | 75 - 125 | | | | |
| Lab Sample ID: 2107791-002EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1501h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Manganese | 2.09 | mg/L | E200.8 | 0.00186 | 0.00400 | 0.2000 | 1.84 | 126 | 75 - 125 | | | | 2 |
| Lab Sample ID: 2107791-011EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/16/2021 1112h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/13/2021 1610h | | | | | | | | | | | |
| Silver | 0.186 | mg/L | E200.8 | 0.000232 | 0.00200 | 0.2000 | 0 | 93.0 | 75 - 125 | | | | |
| Lab Sample ID: 2107791-012EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/16/2021 1125h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/13/2021 1610h | | | | | | | | | | | |
| Silver | 0.194 | mg/L | E200.8 | 0.000232 | 0.00200 | 0.2000 | 0 | 96.8 | 75 - 125 | | | | |
| Lab Sample ID: 2107791-001EMS | | | | | | | | | | | | | |
| Date Analyzed: | | 08/03/2021 1124h | | | | | | | | | | | |
| Test Code: | | HG-DW-DIS-245.1 | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 1214h | | | | | | | | | | | |
| Mercury | 0.00330 | mg/L | E245.1 | 0.0000396 | 0.0000900 | 0.003330 | 0 | 99.1 | 85 - 115 | | | | |

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



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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-002EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1552h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Calcium | 525 | mg/L | E200.7 | 0.434 | 10.0 | 10.00 | 505 | 201 | 70 - 130 | 516 | 1.80 | 20 | 2 |
| Magnesium | 171 | mg/L | E200.7 | 0.138 | 1.00 | 10.00 | 157 | 138 | 70 - 130 | 168 | 1.65 | 20 | 2 |
| Sodium | 350 | mg/L | E200.7 | 3.23 | 10.0 | 10.00 | 334 | 163 | 70 - 130 | 344 | 1.81 | 20 | 2 |
| Lab Sample ID: 2107791-003EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1558h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Calcium | 413 | mg/L | E200.7 | 0.434 | 10.0 | 10.00 | 395 | 179 | 70 - 130 | 411 | 0.640 | 20 | 2 |
| Magnesium | 196 | mg/L | E200.7 | 0.138 | 1.00 | 10.00 | 182 | 139 | 70 - 130 | 194 | 0.711 | 20 | 2 |
| Sodium | 144 | mg/L | E200.7 | 3.23 | 10.0 | 10.00 | 132 | 124 | 70 - 130 | 143 | 0.644 | 20 | |
| Lab Sample ID: 2107791-002EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1703h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Potassium | 27.5 | mg/L | E200.7 | 0.177 | 1.00 | 10.00 | 14.7 | 127 | 70 - 130 | 27 | 1.66 | 20 | |
| Vanadium | 0.209 | mg/L | E200.7 | 0.00137 | 0.00500 | 0.2000 | 0 | 104 | 70 - 130 | 0.21 | 0.545 | 20 | |
| Lab Sample ID: 2107791-003EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/10/2021 1709h | | | | | | | | | | | |
| Test Code: | | 200.7-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Potassium | 21.4 | mg/L | E200.7 | 0.177 | 1.00 | 10.00 | 9.58 | 119 | 70 - 130 | 21.5 | 0.365 | 20 | |
| Vanadium | 0.208 | mg/L | E200.7 | 0.00137 | 0.00500 | 0.2000 | 0 | 104 | 70 - 130 | 0.209 | 0.863 | 20 | |
| Lab Sample ID: 2107791-002EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1334h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Arsenic | 0.215 | mg/L | E200.8 | 0.000298 | 0.00200 | 0.2000 | 0.000334 | 107 | 75 - 125 | 0.219 | 1.96 | 20 | |
| Beryllium | 0.187 | mg/L | E200.8 | 0.000198 | 0.00200 | 0.2000 | 0 | 93.5 | 75 - 125 | 0.194 | 3.55 | 20 | |
| Cadmium | 0.200 | mg/L | E200.8 | 0.0000742 | 0.000500 | 0.2000 | 0.00163 | 99.0 | 75 - 125 | 0.201 | 0.872 | 20 | |
| Chromium | 0.197 | mg/L | E200.8 | 0.000920 | 0.00200 | 0.2000 | 0 | 98.4 | 75 - 125 | 0.201 | 2.31 | 20 | |
| Cobalt | 0.191 | mg/L | E200.8 | 0.000300 | 0.00400 | 0.2000 | 0.00238 | 94.5 | 75 - 125 | 0.196 | 2.19 | 20 | |
| Copper | 0.193 | mg/L | E200.8 | 0.00111 | 0.00200 | 0.2000 | 0 | 96.7 | 75 - 125 | 0.197 | 1.93 | 20 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-002EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1334h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Iron | 0.990 | mg/L | E200.8 | 0.0312 | 0.100 | 1.000 | 0 | 99.0 | 75 - 125 | 1.02 | 2.93 | 20 | |
| Lead | 0.186 | mg/L | E200.8 | 0.000588 | 0.00200 | 0.2000 | 0 | 93.2 | 75 - 125 | 0.189 | 1.23 | 20 | |
| Manganese | 2.05 | mg/L | E200.8 | 0.000930 | 0.00200 | 0.2000 | 1.84 | 108 | 75 - 125 | 2.06 | 0.498 | 20 | |
| Molybdenum | 0.222 | mg/L | E200.8 | 0.000884 | 0.00200 | 0.2000 | 0.00523 | 108 | 75 - 125 | 0.223 | 0.561 | 20 | |
| Nickel | 0.198 | mg/L | E200.8 | 0.000584 | 0.00200 | 0.2000 | 0.00453 | 96.5 | 75 - 125 | 0.204 | 3.29 | 20 | |
| Selenium | 0.199 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 99.5 | 75 - 125 | 0.2 | 0.626 | 20 | |
| Thallium | 0.185 | mg/L | E200.8 | 0.000418 | 0.00200 | 0.2000 | 0 | 92.7 | 75 - 125 | 0.187 | 1.03 | 20 | |
| Tin | 1.02 | mg/L | E200.8 | 0.000968 | 0.00400 | 1.000 | 0 | 102 | 75 - 125 | 1.02 | 0.434 | 20 | |
| Uranium | 0.255 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.06 | 97.5 | 75 - 125 | 0.257 | 0.708 | 20 | |
| Zinc | 1.01 | mg/L | E200.8 | 0.00418 | 0.00600 | 1.000 | 0.0152 | 99.5 | 75 - 125 | 1.03 | 1.71 | 20 | |
| Lab Sample ID: 2107791-003EMSD | | | | | | | | | | | | | |
| Date Analyzed: | | 08/13/2021 1345h | | | | | | | | | | | |
| Test Code: | | 200.8-DIS | | | | | | | | | | | |
| Date Prepared: | | 08/02/2021 943h | | | | | | | | | | | |
| Arsenic | 0.221 | mg/L | E200.8 | 0.000298 | 0.00200 | 0.2000 | 0.000529 | 110 | 75 - 125 | 0.223 | 0.744 | 20 | |
| Beryllium | 0.196 | mg/L | E200.8 | 0.000198 | 0.00200 | 0.2000 | 0 | 98.2 | 75 - 125 | 0.195 | 0.653 | 20 | |
| Cadmium | 0.200 | mg/L | E200.8 | 0.0000742 | 0.000500 | 0.2000 | 0.0000755 | 99.8 | 75 - 125 | 0.206 | 2.88 | 20 | |
| Chromium | 0.206 | mg/L | E200.8 | 0.000920 | 0.00200 | 0.2000 | 0 | 103 | 75 - 125 | 0.202 | 1.56 | 20 | |
| Cobalt | 0.194 | mg/L | E200.8 | 0.000300 | 0.00400 | 0.2000 | 0 | 96.9 | 75 - 125 | 0.194 | 0.128 | 20 | |
| Copper | 0.200 | mg/L | E200.8 | 0.00111 | 0.00200 | 0.2000 | 0.00123 | 99.3 | 75 - 125 | 0.199 | 0.485 | 20 | |
| Iron | 1.02 | mg/L | E200.8 | 0.0312 | 0.100 | 1.000 | 0 | 102 | 75 - 125 | 1.03 | 0.639 | 20 | |
| Lead | 0.192 | mg/L | E200.8 | 0.000588 | 0.00200 | 0.2000 | 0 | 96.1 | 75 - 125 | 0.191 | 0.397 | 20 | |
| Manganese | 0.204 | mg/L | E200.8 | 0.000930 | 0.00200 | 0.2000 | 0 | 102 | 75 - 125 | 0.204 | 0.100 | 20 | |
| Molybdenum | 0.218 | mg/L | E200.8 | 0.000884 | 0.00200 | 0.2000 | 0.00367 | 107 | 75 - 125 | 0.22 | 0.838 | 20 | |
| Nickel | 0.201 | mg/L | E200.8 | 0.000584 | 0.00200 | 0.2000 | 0 | 101 | 75 - 125 | 0.199 | 0.935 | 20 | |
| Selenium | 0.288 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0865 | 101 | 75 - 125 | 0.29 | 0.736 | 20 | |
| Thallium | 0.192 | mg/L | E200.8 | 0.000418 | 0.00200 | 0.2000 | 0 | 95.8 | 75 - 125 | 0.19 | 0.595 | 20 | |
| Tin | 1.02 | mg/L | E200.8 | 0.000968 | 0.00400 | 1.000 | 0 | 102 | 75 - 125 | 1.02 | 0.0441 | 20 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-003EMSD | Date Analyzed: 08/13/2021 1345h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 08/02/2021 943h | | | | | | | | | | | | |
| Uranium | 0.219 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.02 | 99.5 | 75 - 125 | 0.217 | 0.793 | 20 | |
| Zinc | 1.01 | mg/L | E200.8 | 0.00418 | 0.00600 | 1.000 | 0 | 101 | 75 - 125 | 1.03 | 1.76 | 20 | |
| Lab Sample ID: 2107791-002EMSD | Date Analyzed: 08/13/2021 1505h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 08/02/2021 943h | | | | | | | | | | | | |
| Manganese | 2.13 | mg/L | E200.8 | 0.00186 | 0.00400 | 0.2000 | 1.84 | 148 | 75 - 125 | 2.09 | 2.05 | 20 | ² |
| Lab Sample ID: 2107791-011EMSD | Date Analyzed: 08/16/2021 1117h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 08/13/2021 1610h | | | | | | | | | | | | |
| Silver | 0.189 | mg/L | E200.8 | 0.000232 | 0.00200 | 0.2000 | 0 | 94.3 | 75 - 125 | 0.186 | 1.39 | 20 | |
| Lab Sample ID: 2107791-012EMSD | Date Analyzed: 08/16/2021 1129h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 08/13/2021 1610h | | | | | | | | | | | | |
| Silver | 0.189 | mg/L | E200.8 | 0.000232 | 0.00200 | 0.2000 | 0 | 94.7 | 75 - 125 | 0.194 | 2.19 | 20 | |
| Lab Sample ID: 2107791-001EMSD | Date Analyzed: 08/03/2021 1126h | | | | | | | | | | | | |
| Test Code: HG-DW-DIS-245.1 | Date Prepared: 08/02/2021 1214h | | | | | | | | | | | | |
| Mercury | 0.00348 | mg/L | E245.1 | 0.0000396 | 0.0000900 | 0.003330 | 0 | 104 | 85 - 115 | 0.0033 | 5.21 | 20 | |

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



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-001CDUP Date Analyzed: 07/30/2021 1345h | | | | | | | | | | | | | |
| Test Code: TDS-W-2540C | | | | | | | | | | | | | |
| Total Dissolved Solids | 2,710 | mg/L | SM2540C | 16.0 | 20.0 | | | | | 2680 | 1.34 | 5 | |
| Lab Sample ID: 2107791-011CDUP Date Analyzed: 07/30/2021 1345h | | | | | | | | | | | | | |
| Test Code: TDS-W-2540C | | | | | | | | | | | | | |
| Total Dissolved Solids | 4,610 | mg/L | SM2540C | 16.0 | 20.0 | | | | | 4490 | 2.64 | 5 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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-R155357 Date Analyzed: 08/10/2021 1948h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 5.08 | mg/L | E300.0 | 0.0198 | 0.100 | 5.000 | 0 | 102 | 90 - 110 | | | | |
| Fluoride | 4.97 | mg/L | E300.0 | 0.00260 | 0.100 | 5.000 | 0 | 99.5 | 90 - 110 | | | | |
| Sulfate | 5.11 | mg/L | E300.0 | 0.0750 | 0.500 | 5.000 | 0 | 102 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R154964 Date Analyzed: 08/02/2021 1100h | | | | | | | | | | | | | |
| Test Code: ALK-W-2320B-LL | | | | | | | | | | | | | |
| Alkalinity (as CaCO3) | 249 | mg/L | SM2320B | 0.333 | 1.00 | 250.0 | 0 | 99.6 | 90 - 110 | | | | |
| Lab Sample ID: LCS-78746 Date Analyzed: 08/04/2021 1336h | | | | | | | | | | | | | |
| Test Code: NH3-W-350.1 Date Prepared: 08/04/2021 1050h | | | | | | | | | | | | | |
| Ammonia (as N) | 2.17 | mg/L | E350.1 | 0.0495 | 0.0500 | 2.000 | 0 | 109 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R154940 Date Analyzed: 08/02/2021 1359h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 1.02 | mg/L | E353.2 | 0.00541 | 0.0100 | 1.000 | 0 | 102 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R155201 Date Analyzed: 08/06/2021 1415h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 1.09 | mg/L | E353.2 | 0.00541 | 0.0100 | 1.000 | 0 | 109 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R154924 Date Analyzed: 07/30/2021 1345h | | | | | | | | | | | | | |
| Test Code: TDS-W-2540C | | | | | | | | | | | | | |
| Total Dissolved Solids | 208 | mg/L | SM2540C | 8.00 | 10.0 | 205.0 | 0 | 101 | 80 - 120 | | | | |



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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-R155357 | | | | | | | | | | | | | |
| Date Analyzed: 08/10/2021 1924h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.0198 | 0.100 | | | | | | | | |
| Fluoride | < 0.100 | mg/L | E300.0 | 0.00260 | 0.100 | | | | | | | | |
| Sulfate | < 0.500 | mg/L | E300.0 | 0.0750 | 0.500 | | | | | | | | |
| Lab Sample ID: MB-R154964 | | | | | | | | | | | | | |
| Date Analyzed: 08/02/2021 1100h | | | | | | | | | | | | | |
| Test Code: ALK-W-2320B-LL | | | | | | | | | | | | | |
| Bicarbonate (as CaCO3) | < 1.00 | mg/L | SM2320B | 0.333 | 1.00 | | | | | | | | |
| Carbonate (as CaCO3) | < 1.00 | mg/L | SM2320B | 0.333 | 1.00 | | | | | | | | |
| Lab Sample ID: MB-78746 | | | | | | | | | | | | | |
| Date Analyzed: 08/04/2021 1336h | | | | | | | | | | | | | |
| Test Code: NH3-W-350.1 | | | | | | | | | | | | | |
| Date Prepared: 08/04/2021 1050h | | | | | | | | | | | | | |
| Ammonia (as N) | < 0.0500 | mg/L | E350.1 | 0.0495 | 0.0500 | | | | | | | | |
| Lab Sample ID: MB-R154940 | | | | | | | | | | | | | |
| Date Analyzed: 08/02/2021 1357h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00541 | 0.0100 | | | | | | | | |
| Lab Sample ID: MB-R155201 | | | | | | | | | | | | | |
| Date Analyzed: 08/06/2021 1414h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00541 | 0.0100 | | | | | | | | |
| Lab Sample ID: MB-R154924 | | | | | | | | | | | | | |
| Date Analyzed: 07/30/2021 1345h | | | | | | | | | | | | | |
| 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: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-003BMS Date Analyzed: 08/10/2021 2122h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,410 | mg/L | E300.0 | 3.96 | 20.0 | 1,000 | 391 | 102 | 90 - 110 | | | | |
| Fluoride | 979 | mg/L | E300.0 | 0.520 | 20.0 | 1,000 | 0.623 | 97.8 | 90 - 110 | | | | |
| Sulfate | 2,200 | mg/L | E300.0 | 15.0 | 100 | 1,000 | 1210 | 99.1 | 90 - 110 | | | | |
| Lab Sample ID: 2107791-012BMS Date Analyzed: 08/11/2021 1527h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 705 | mg/L | E300.0 | 1.98 | 10.0 | 500.0 | 188 | 103 | 90 - 110 | | | | |
| Fluoride | 489 | mg/L | E300.0 | 0.260 | 10.0 | 500.0 | 0.318 | 97.8 | 90 - 110 | | | | |
| Sulfate | 1,270 | mg/L | E300.0 | 7.50 | 50.0 | 500.0 | 754 | 104 | 90 - 110 | | | | |
| Lab Sample ID: 2107791-001BMS Date Analyzed: 08/02/2021 1100h | | | | | | | | | | | | | |
| Test Code: ALK-W-2320B-LL | | | | | | | | | | | | | |
| Alkalinity (as CaCO3) | 2,820 | mg/L | SM2320B | 0.333 | 1.00 | 2,500 | 320 | 100 | 80 - 120 | | | | |
| Lab Sample ID: 2107791-001DMS Date Analyzed: 08/04/2021 1338h | | | | | | | | | | | | | |
| Test Code: NH3-W-350.1 Date Prepared: 08/04/2021 1050h | | | | | | | | | | | | | |
| Ammonia (as N) | 2.39 | mg/L | E350.1 | 0.0495 | 0.0500 | 2.000 | 0.483 | 95.2 | 90 - 110 | | | | |
| Lab Sample ID: 2107668-002AMS Date Analyzed: 08/02/2021 1414h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 19.3 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 6.09 | 132 | 90 - 110 | | | | |
| Lab Sample ID: 2107791-006DMS Date Analyzed: 08/02/2021 1426h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 9.74 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0 | 97.4 | 90 - 110 | | | | |



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Laboratory Director

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-010DMS | | | | | | | | | | | | | |
| Date Analyzed: 08/06/2021 1445h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 12.0 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0.377 | 116 | 90 - 110 | | | | 1 |

¹ - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-003BMSD Date Analyzed: 08/10/2021 2146h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,400 | mg/L | E300.0 | 3.96 | 20.0 | 1,000 | 391 | 101 | 90 - 110 | 1410 | 0.383 | 20 | |
| Fluoride | 979 | mg/L | E300.0 | 0.520 | 20.0 | 1,000 | 0.623 | 97.8 | 90 - 110 | 979 | 0.00781 | 20 | |
| Sulfate | 2,190 | mg/L | E300.0 | 15.0 | 100 | 1,000 | 1210 | 97.9 | 90 - 110 | 2200 | 0.544 | 20 | |
| Lab Sample ID: 2107791-012BMSD Date Analyzed: 08/11/2021 1550h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 700 | mg/L | E300.0 | 1.98 | 10.0 | 500.0 | 188 | 102 | 90 - 110 | 705 | 0.761 | 20 | |
| Fluoride | 487 | mg/L | E300.0 | 0.260 | 10.0 | 500.0 | 0.318 | 97.4 | 90 - 110 | 489 | 0.392 | 20 | |
| Sulfate | 1,260 | mg/L | E300.0 | 7.50 | 50.0 | 500.0 | 754 | 102 | 90 - 110 | 1270 | 0.924 | 20 | |
| Lab Sample ID: 2107791-001BMSD Date Analyzed: 08/02/2021 1100h | | | | | | | | | | | | | |
| Test Code: ALK-W-2320B-LL | | | | | | | | | | | | | |
| Alkalinity (as CaCO3) | 2,830 | mg/L | SM2320B | 0.333 | 1.00 | 2,500 | 320 | 100 | 80 - 120 | 2830 | 0.177 | 10 | |
| Lab Sample ID: 2107791-001DMSD Date Analyzed: 08/04/2021 1339h | | | | | | | | | | | | | |
| Test Code: NH3-W-350.1 Date Prepared: 08/04/2021 1050h | | | | | | | | | | | | | |
| Ammonia (as N) | 2.28 | mg/L | E350.1 | 0.0495 | 0.0500 | 2,000 | 0.483 | 89.8 | 90 - 110 | 2.39 | 4.61 | 10 | § |
| Lab Sample ID: 2107668-002AMSD Date Analyzed: 08/02/2021 1415h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 16.0 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 6.09 | 99.1 | 90 - 110 | 19.3 | 18.7 | 10 | @ |
| Lab Sample ID: 2107791-006DMSD Date Analyzed: 08/02/2021 1427h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 10.5 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0 | 105 | 90 - 110 | 9.74 | 7.51 | 10 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-010DMSD | Date Analyzed: 08/06/2021 1446h | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 15.1 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0.377 | 147 | 90 - 110 | 12 | 22.7 | 10 | ¹ @ |

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

§ - QC limits are set with an accuracy of two significant figures, therefore the recovery rounds to an acceptable value within the control limits.

¹ - 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: 2107791
Project: 3rd Quarter Ground Water 2021

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 073021A | | Date Analyzed: 07/30/2021 702h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| 2-Butanone | 17.8 | µg/L | SW8260D | 1.22 | 20.0 | 20.00 | 0 | 89.2 | 69 - 236 | | | | |
| Acetone | 18.1 | µg/L | SW8260D | 2.76 | 20.0 | 20.00 | 0 | 90.7 | 36 - 198 | | | | |
| Benzene | 19.8 | µg/L | SW8260D | 0.147 | 1.00 | 20.00 | 0 | 99.1 | 78 - 125 | | | | |
| Carbon tetrachloride | 19.4 | µg/L | SW8260D | 0.785 | 1.00 | 20.00 | 0 | 97.1 | 66 - 143 | | | | |
| Chloroform | 18.8 | µg/L | SW8260D | 0.360 | 1.00 | 20.00 | 0 | 94.2 | 74 - 120 | | | | |
| Chloromethane | 16.8 | µg/L | SW8260D | 0.682 | 1.00 | 20.00 | 0 | 83.8 | 30 - 149 | | | | |
| Methylene chloride | 19.4 | µg/L | SW8260D | 0.451 | 1.00 | 20.00 | 0 | 97.0 | 65 - 154 | | | | |
| Naphthalene | 13.6 | µg/L | SW8260D | 0.730 | 1.00 | 20.00 | 0 | 68.0 | 55 - 128 | | | | |
| Tetrahydrofuran | 18.1 | µg/L | SW8260D | 0.436 | 1.00 | 20.00 | 0 | 90.7 | 59 - 135 | | | | |
| Toluene | 20.4 | µg/L | SW8260D | 0.277 | 1.00 | 20.00 | 0 | 102 | 69 - 129 | | | | |
| Xylenes, Total | 63.3 | µg/L | SW8260D | 0.746 | 1.00 | 60.00 | 0 | 106 | 66 - 124 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 48.7 | µg/L | SW8260D | | | 50.00 | | 97.4 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 51.4 | µg/L | SW8260D | | | 50.00 | | 103 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 48.2 | µg/L | SW8260D | | | 50.00 | | 96.4 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 50.0 | µg/L | SW8260D | | | 50.00 | | 100 | 81 - 123 | | | | |
| Lab Sample ID: LCS VOC-2 080221A | | Date Analyzed: 08/02/2021 808h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| 2-Butanone | 18 | µg/L | SW8260D | 1.22 | 20.0 | 20.00 | 0 | 89.9 | 69 - 236 | | | | |
| Acetone | 17.4 | µg/L | SW8260D | 2.76 | 20.0 | 20.00 | 0 | 86.9 | 36 - 198 | | | | |
| Benzene | 19.6 | µg/L | SW8260D | 0.147 | 1.00 | 20.00 | 0 | 98.2 | 78 - 125 | | | | |
| Carbon tetrachloride | 19.1 | µg/L | SW8260D | 0.785 | 1.00 | 20.00 | 0 | 95.7 | 66 - 143 | | | | |
| Chloroform | 18.9 | µg/L | SW8260D | 0.360 | 1.00 | 20.00 | 0 | 94.6 | 74 - 120 | | | | |
| Chloromethane | 16.3 | µg/L | SW8260D | 0.682 | 1.00 | 20.00 | 0 | 81.6 | 30 - 149 | | | | |
| Methylene chloride | 19.2 | µg/L | SW8260D | 0.451 | 1.00 | 20.00 | 0 | 96.2 | 65 - 154 | | | | |
| Naphthalene | 14.6 | µg/L | SW8260D | 0.730 | 1.00 | 20.00 | 0 | 72.9 | 55 - 128 | | | | |
| Tetrahydrofuran | 18.5 | µg/L | SW8260D | 0.436 | 1.00 | 20.00 | 0 | 92.6 | 59 - 135 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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 080221A | | Date Analyzed: 08/02/2021 808h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Toluene | 20.3 | µg/L | SW8260D | 0.277 | 1.00 | 20.00 | 0 | 102 | 69 - 129 | | | | |
| Xylenes, Total | 62.6 | µg/L | SW8260D | 0.746 | 1.00 | 60.00 | 0 | 104 | 66 - 124 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 47.4 | µg/L | SW8260D | | | 50.00 | | 94.9 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 48.8 | µg/L | SW8260D | | | 50.00 | | 97.7 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 46.9 | µg/L | SW8260D | | | 50.00 | | 93.8 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 48.7 | µg/L | SW8260D | | | 50.00 | | 97.4 | 81 - 123 | | | | |



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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 073021A Date Analyzed: 07/30/2021 722h | | | | | | | | | | | | | |
| 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 | 0.785 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260D | 0.360 | 1.00 | | | | | | | | |
| Chloromethane | < 1.00 | µg/L | SW8260D | 0.682 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260D | 0.451 | 1.00 | | | | | | | | |
| Naphthalene | < 1.00 | µg/L | SW8260D | 0.730 | 1.00 | | | | | | | | |
| Tetrahydrofuran | < 1.00 | µg/L | SW8260D | 0.436 | 1.00 | | | | | | | | |
| Toluene | < 1.00 | µg/L | SW8260D | 0.277 | 1.00 | | | | | | | | |
| Xylenes, Total | < 1.00 | µg/L | SW8260D | 0.746 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 48.2 | µg/L | SW8260D | | | 50.00 | | 96.5 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 52.5 | µg/L | SW8260D | | | 50.00 | | 105 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 46.6 | µg/L | SW8260D | | | 50.00 | | 93.3 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 49.9 | µg/L | SW8260D | | | 50.00 | | 99.9 | 81 - 123 | | | | |
| Lab Sample ID: MB VOC-2 080221A Date Analyzed: 08/02/2021 828h | | | | | | | | | | | | | |
| 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 | 0.785 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260D | 0.360 | 1.00 | | | | | | | | |
| Chloromethane | < 1.00 | µg/L | SW8260D | 0.682 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260D | 0.451 | 1.00 | | | | | | | | |
| Naphthalene | < 1.00 | µg/L | SW8260D | 0.730 | 1.00 | | | | | | | | |
| Tetrahydrofuran | < 1.00 | µg/L | SW8260D | 0.436 | 1.00 | | | | | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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 080221A | Date Analyzed: 08/02/2021 828h | | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Toluene | < 1.00 | µg/L | SW8260D | 0.277 | 1.00 | | | | | | | | |
| Xylenes, Total | < 1.00 | µg/L | SW8260D | 0.746 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 47.2 | µg/L | SW8260D | | | 50.00 | | 94.4 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 52.5 | µg/L | SW8260D | | | 50.00 | | 105 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 45.7 | µg/L | SW8260D | | | 50.00 | | 91.4 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 49.3 | µg/L | SW8260D | | | 50.00 | | 98.6 | 81 - 123 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-007AMS | | Date Analyzed: 08/02/2021 1043h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| 2-Butanone | 169 | µg/L | SW8260D | 12.2 | 200 | 200.0 | 0 | 84.4 | 69 - 236 | | | | |
| Acetone | 183 | µg/L | SW8260D | 27.6 | 200 | 200.0 | 0 | 91.6 | 36 - 198 | | | | |
| Benzene | 199 | µg/L | SW8260D | 1.47 | 10.0 | 200.0 | 0 | 99.4 | 78 - 125 | | | | |
| Carbon tetrachloride | 201 | µg/L | SW8260D | 7.85 | 10.0 | 200.0 | 0 | 100 | 66 - 143 | | | | |
| Chloroform | 883 | µg/L | SW8260D | 3.60 | 10.0 | 200.0 | 723 | 79.9 | 74 - 120 | | | | |
| Chloromethane | 158 | µg/L | SW8260D | 6.82 | 10.0 | 200.0 | 0 | 79.0 | 30 - 149 | | | | |
| Methylene chloride | 194 | µg/L | SW8260D | 4.51 | 10.0 | 200.0 | 0 | 97.2 | 65 - 154 | | | | |
| Naphthalene | 133 | µg/L | SW8260D | 7.30 | 10.0 | 200.0 | 0 | 66.7 | 55 - 128 | | | | |
| Tetrahydrofuran | 176 | µg/L | SW8260D | 4.36 | 10.0 | 200.0 | 0 | 87.8 | 59 - 135 | | | | |
| Toluene | 207 | µg/L | SW8260D | 2.77 | 10.0 | 200.0 | 0 | 104 | 69 - 129 | | | | |
| Xylenes, Total | 640 | µg/L | SW8260D | 7.46 | 10.0 | 600.0 | 0 | 107 | 66 - 124 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 478 | µg/L | SW8260D | | | 500.0 | | 95.6 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 506 | µg/L | SW8260D | | | 500.0 | | 101 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 477 | µg/L | SW8260D | | | 500.0 | | 95.4 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 498 | µg/L | SW8260D | | | 500.0 | | 99.6 | 81 - 123 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2107791
Project: 3rd Quarter Ground Water 2021

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: 2107791-007AMSD | | Date Analyzed: 08/02/2021 1103h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| 2-Butanone | 193 | µg/L | SW8260D | 12.2 | 200 | 200.0 | 0 | 96.7 | 69 - 236 | 169 | 13.6 | 35 | |
| Acetone | 182 | µg/L | SW8260D | 27.6 | 200 | 200.0 | 0 | 91.1 | 36 - 198 | 183 | 0.602 | 35 | |
| Benzene | 208 | µg/L | SW8260D | 1.47 | 10.0 | 200.0 | 0 | 104 | 78 - 125 | 199 | 4.38 | 35 | |
| Carbon tetrachloride | 211 | µg/L | SW8260D | 7.85 | 10.0 | 200.0 | 0 | 105 | 66 - 143 | 201 | 4.86 | 35 | |
| Chloroform | 923 | µg/L | SW8260D | 3.60 | 10.0 | 200.0 | 723 | 100 | 74 - 120 | 883 | 4.45 | 35 | |
| Chloromethane | 169 | µg/L | SW8260D | 6.82 | 10.0 | 200.0 | 0 | 84.4 | 30 - 149 | 158 | 6.67 | 35 | |
| Methylene chloride | 201 | µg/L | SW8260D | 4.51 | 10.0 | 200.0 | 0 | 100 | 65 - 154 | 194 | 3.19 | 35 | |
| Naphthalene | 139 | µg/L | SW8260D | 7.30 | 10.0 | 200.0 | 0 | 69.6 | 55 - 128 | 133 | 4.33 | 35 | |
| Tetrahydrofuran | 181 | µg/L | SW8260D | 4.36 | 10.0 | 200.0 | 0 | 90.7 | 59 - 135 | 176 | 3.14 | 35 | |
| Toluene | 215 | µg/L | SW8260D | 2.77 | 10.0 | 200.0 | 0 | 107 | 69 - 129 | 207 | 3.56 | 35 | |
| Xylenes, Total | 665 | µg/L | SW8260D | 7.46 | 10.0 | 600.0 | 0 | 111 | 66 - 124 | 640 | 3.92 | 35 | |
| Surr: 1,2-Dichloroethane-d4 | 488 | µg/L | SW8260D | | | 500.0 | | 97.6 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 507 | µg/L | SW8260D | | | 500.0 | | 101 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 485 | µg/L | SW8260D | | | 500.0 | | 97.0 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 499 | µg/L | SW8260D | | | 500.0 | | 99.8 | 81 - 123 | | | | |

WORK ORDER Summary

Work Order: **2107791**

Page 1 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

Client ID: ENE300

Contact: Tanner Holliday

Project: 3rd Quarter Ground Water 2021

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 |
|--------------|------------------|-----------------|-----------------|---|---------|-----|--------------------|
| 2107791-001A | MW-11_07272021 | 7/27/2021 1125h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | | VOCFridge 3 |
| | | | | <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | |
| 2107791-001B | | | | 300.0-W | | | df - wc 1 |
| | | | | <i>3 SEL Analytes: CL F SO4</i> | | | |
| | | | | ALK-W-2320B-LL | | | df - wc |
| | | | | <i>2 SEL Analytes: ALKB ALKC</i> | | | |
| 2107791-001C | | | | TDS-W-2540C | | | df - tds |
| | | | | <i>1 SEL Analytes: TDS</i> | | | |
| 2107791-001D | | | | NH3-W-350.1 | | | df - no2/no3 & nh3 |
| | | | | <i>1 SEL Analytes: NH3N</i> | | | |
| | | | | NH3-W-PR | | | df - no2/no3 & nh3 |
| | | | | NO2/NO3-W-353.2 | | | df - no2/no3 & nh3 |
| | | | | <i>1 SEL Analytes: NO3NO2N</i> | | | |
| 2107791-001E | | | | 200.7-DIS | | | df-met |
| | | | | <i>5 SEL Analytes: CA MG K NA V</i> | | | |
| | | | | 200.7-DIS-PR | | | df-met |
| | | | | 200.8-DIS | | | df-met |
| | | | | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | | |
| | | | | 200.8-DIS-PR | | | df-met |
| | | | | HG-DW-DIS-245.1 | | | df-met |
| | | | | <i>1 SEL Analytes: HG</i> | | | |
| | | | | HG-DW-DIS-PR | | | df-met |
| | | | | IONBALANCE | | | df-met |
| | | | | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | | |
| 2107791-002A | MW-14_07272021 | 7/27/2021 1450h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | | VOCFridge 3 |
| | | | | <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | |
| 2107791-002B | | | | 300.0-W | | | df - wc 1 |
| | | | | <i>3 SEL Analytes: CL F SO4</i> | | | |
| | | | | ALK-W-2320B-LL | | | df - wc |
| | | | | <i>2 SEL Analytes: ALKB ALKC</i> | | | |
| 2107791-002C | | | | TDS-W-2540C | | | df - tds |
| | | | | <i>1 SEL Analytes: TDS</i> | | | |

WORK ORDER Summary

Work Order: **2107791** Page 2 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|--------------|------------------|-----------------|-----------------|--|---------|--------------------|---|
| 2107791-002D | MW-14_07272021 | 7/27/2021 1450h | 7/30/2021 1100h | NH3-W-350.1 <i>1 SEL Analytes: NH3N</i> | Aqueous | df - no2/no3 & nh3 | 1 |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i> | | df - no2/no3 & nh3 | |
| 2107791-002E | | | | 200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i> | | df-met | |
| | | | | 200.7-DIS-PR | | df-met | |
| | | | | 200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | df-met | |
| | | | | 200.8-DIS-PR | | df-met | |
| | | | | HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i> | | df-met | |
| | | | | HG-DW-DIS-PR | | df-met | |
| | | | | IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | df-met | |
| 2107791-003A | MW-31_07272021 | 7/27/2021 1255h | 7/30/2021 1100h | 8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | Aqueous | VOCFridge | 3 |
| 2107791-003B | | | | 300.0-W <i>3 SEL Analytes: CL F SO4</i> | | df - wc | 1 |
| | | | | ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i> | | df - wc | |
| 2107791-003C | | | | TDS-W-2540C <i>1 SEL Analytes: TDS</i> | | df - tds | |
| 2107791-003D | | | | NH3-W-350.1 <i>1 SEL Analytes: NH3N</i> | | df - no2/no3 & nh3 | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i> | | df - no2/no3 & nh3 | |
| 2107791-003E | | | | 200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i> | | df-met | |
| | | | | 200.7-DIS-PR | | df-met | |
| | | | | 200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | df-met | |
| | | | | 200.8-DIS-PR | | df-met | |
| | | | | HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i> | | df-met | |

WORK ORDER Summary

Work Order: **2107791** Page 3 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage |
|--------------|------------------|-----------------|-----------------|---|---------|--------------------|---------|
| 2107791-003E | MW-31_07272021 | 7/27/2021 1255h | 7/30/2021 1100h | HG-DW-DIS-PR IONBALANCE 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc | Aqueous | df-met | 1 |
| 2107791-004A | MW-36_07272021 | 7/27/2021 1425h | 7/30/2021 1100h | 8260D-W-DEN100 Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4 | Aqueous | VOCFridge | 3 |
| 2107791-004B | | | | 300.0-W 3 SEL Analytes: CL F SO4 | | df - wc | 1 |
| | | | | ALK-W-2320B-LL 2 SEL Analytes: ALKB ALKC | | df - wc | |
| 2107791-004C | | | | TDS-W-2540C 1 SEL Analytes: TDS | | df - tds | |
| 2107791-004D | | | | NH3-W-350.1 1 SEL Analytes: NH3N | | df - no2/no3 & nh3 | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | | df - no2/no3 & nh3 | |
| 2107791-004E | | | | 200.7-DIS 5 SEL Analytes: CA MG K NA V | | df-met | |
| | | | | 200.7-DIS-PR | | df-met | |
| | | | | 200.8-DIS 17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN | | df-met | |
| | | | | 200.8-DIS-PR | | df-met | |
| | | | | HG-DW-DIS-245.1 1 SEL Analytes: HG | | df-met | |
| | | | | HG-DW-DIS-PR | | df-met | |
| | | | | IONBALANCE 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc | | df-met | |
| 2107791-005A | MW-65_07272021 | 7/27/2021 1450h | 7/30/2021 1100h | 8260D-W-DEN100 Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4 | Aqueous | VOCFridge | 3 |
| 2107791-005B | | | | 300.0-W 3 SEL Analytes: CL F SO4 | | df - wc | 1 |
| | | | | ALK-W-2320B-LL 2 SEL Analytes: ALKB ALKC | | df - wc | |
| 2107791-005C | | | | TDS-W-2540C 1 SEL Analytes: TDS | | df - tds | |
| 2107791-005D | | | | NH3-W-350.1 1 SEL Analytes: NH3N | | df - no2/no3 & nh3 | |

WORK ORDER Summary

Work Order: **2107791** Page 4 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|--------------|------------------|-----------------|-----------------|---|---------|--------------------|---|
| 2107791-005D | MW-65_07272021 | 7/27/2021 1450h | 7/30/2021 1100h | NH3-W-PR | Aqueous | df - no2/no3 & nh3 | 1 |
| | | | | NO2/NO3-W-353.2 | | df - no2/no3 & nh3 | |
| | | | | 1 SEL Analytes: NO3NO2N | | | |
| 2107791-005E | | | | 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 | | | |
| 2107791-006A | MW-25_07282021 | 7/28/2021 1000h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | VOCFridge | 2 |
| | | | | Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4 | | | |
| 2107791-006B | | | | 300.0-W | | df - wc | 1 |
| | | | | 3 SEL Analytes: CL F SO4 | | | |
| | | | | ALK-W-2320B-LL | | df - wc | |
| | | | | 2 SEL Analytes: ALKB ALKC | | | |
| 2107791-006C | | | | TDS-W-2540C | | df - tds | |
| | | | | 1 SEL Analytes: TDS | | | |
| 2107791-006D | | | | 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 | | | |
| 2107791-006E | | | | 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: **2107791** Page 5 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|--------------|------------------|-----------------|-----------------|--|---------|--------------------|---|
| 2107791-006E | MW-25_07282021 | 7/28/2021 1000h | 7/30/2021 1100h | IONBALANCE 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc | Aqueous | df-met | 1 |
| 2107791-007A | MW-26_07282021 | 7/28/2021 1300h | 7/30/2021 1100h | 8260D-W-DEN100 Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4 | Aqueous | VOCFridge | 3 |
| 2107791-007B | | | | 300.0-W 3 SEL Analytes: CL F SO4 | | df - wc | 1 |
| | | | | ALK-W-2320B-LL 2 SEL Analytes: ALKB ALKC | | df - wc | |
| 2107791-007C | | | | TDS-W-2540C 1 SEL Analytes: TDS | | df - tds | |
| 2107791-007D | | | | NH3-W-350.1 1 SEL Analytes: NH3N | | df - no2/no3 & nh3 | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | | df - no2/no3 & nh3 | |
| 2107791-007E | | | | 200.7-DIS 5 SEL Analytes: CA MG K NA V | | df-met | |
| | | | | 200.7-DIS-PR | | df-met | |
| | | | | 200.8-DIS 17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN | | df-met | |
| | | | | 200.8-DIS-PR | | df-met | |
| | | | | HG-DW-DIS-245.1 1 SEL Analytes: HG | | df-met | |
| | | | | HG-DW-DIS-PR | | df-met | |
| | | | | IONBALANCE 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc | | df-met | |
| 2107791-008A | MW-39_07282021 | 7/28/2021 1450h | 7/30/2021 1100h | 8260D-W-DEN100 Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4 | Aqueous | VOCFridge | 3 |
| 2107791-008B | | | | 300.0-W 3 SEL Analytes: CL F SO4 | | df - wc | 1 |
| | | | | ALK-W-2320B-LL 2 SEL Analytes: ALKB ALKC | | df - wc | |
| 2107791-008C | | | | TDS-W-2540C 1 SEL Analytes: TDS | | df - tds | |
| 2107791-008D | | | | NH3-W-350.1 1 SEL Analytes: NH3N | | df - no2/no3 & nh3 | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |

WORK ORDER Summary

Work Order: **2107791** Page 6 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|--------------|------------------|-----------------|-----------------|--|---------|-------------------------------------|--------------------|---|
| 2107791-008D | MW-39_07282021 | 7/28/2021 1450h | 7/30/2021 1100h | NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i> | Aqueous | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 | 1 |
| 2107791-008E | | | | 200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i> | | <input checked="" type="checkbox"/> | df-met | |
| | | | | 200.7-DIS-PR | | <input checked="" type="checkbox"/> | df-met | |
| | | | | 200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | <input checked="" type="checkbox"/> | df-met | |
| | | | | 200.8-DIS-PR | | <input checked="" type="checkbox"/> | df-met | |
| | | | | HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i> | | <input checked="" type="checkbox"/> | df-met | |
| | | | | HG-DW-DIS-PR | | <input checked="" type="checkbox"/> | df-met | |
| | | | | IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | <input checked="" type="checkbox"/> | df-met | |
| 2107791-009A | MW-40_07282021 | 7/28/2021 1040h | 7/30/2021 1100h | 8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFridge | 3 |
| 2107791-009B | | | | 300.0-W <i>3 SEL Analytes: CL F SO4</i> | | <input checked="" type="checkbox"/> | df - wc | 1 |
| | | | | ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i> | | <input checked="" type="checkbox"/> | df - wc | |
| 2107791-009C | | | | TDS-W-2540C <i>1 SEL Analytes: TDS</i> | | <input checked="" type="checkbox"/> | df - tds | |
| 2107791-009D | | | | NH3-W-350.1 <i>1 SEL Analytes: NH3N</i> | | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 | |
| | | | | NH3-W-PR | | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i> | | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 | |
| 2107791-009E | | | | 200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i> | | <input checked="" type="checkbox"/> | df-met | |
| | | | | 200.7-DIS-PR | | <input checked="" type="checkbox"/> | df-met | |
| | | | | 200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | <input checked="" type="checkbox"/> | df-met | |
| | | | | 200.8-DIS-PR | | <input checked="" type="checkbox"/> | df-met | |
| | | | | HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i> | | <input checked="" type="checkbox"/> | df-met | |
| | | | | HG-DW-DIS-PR | | <input checked="" type="checkbox"/> | df-met | |
| | | | | IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | <input checked="" type="checkbox"/> | df-met | |

WORK ORDER Summary

Work Order: **2107791** Page 7 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|---|------------------|-----------------|-----------------|-----------------|---------|--------------------|---|
| 2107791-010A | MW-24_07292021 | 7/29/2021 0710h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | VOCFridge | 2 |
| <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | | | | | |
| 2107791-010B | | | | 300.0-W | | df - wc | 1 |
| <i>3 SEL Analytes: CL F SO4</i> | | | | | | | |
| | | | | ALK-W-2320B-LL | | df - wc | |
| <i>2 SEL Analytes: ALKB ALKC</i> | | | | | | | |
| 2107791-010C | | | | TDS-W-2540C | | df - tds | |
| <i>1 SEL Analytes: TDS</i> | | | | | | | |
| 2107791-010D | | | | NH3-W-350.1 | | df - no2/no3 & nh3 | |
| <i>1 SEL Analytes: NH3N</i> | | | | | | | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 | | df - no2/no3 & nh3 | |
| <i>1 SEL Analytes: NO3NO2N</i> | | | | | | | |
| 2107791-010E | | | | 200.7-DIS | | df-met | |
| <i>5 SEL Analytes: CA MG K NA V</i> | | | | | | | |
| | | | | 200.7-DIS-PR | | df-met | |
| | | | | 200.8-DIS | | df-met | |
| <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | | | | | | |
| | | | | 200.8-DIS-PR | | df-met | |
| | | | | HG-DW-DIS-245.1 | | df-met | |
| <i>1 SEL Analytes: HG</i> | | | | | | | |
| | | | | HG-DW-DIS-PR | | df-met | |
| | | | | IONBALANCE | | df-met | |
| <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | | | | | | |
| 2107791-011A | MW-24A_07292021 | 7/29/2021 0700h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | VOCFridge | 2 |
| <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | | | | | |
| 2107791-011B | | | | 300.0-W | | df - wc | 1 |
| <i>3 SEL Analytes: CL F SO4</i> | | | | | | | |
| | | | | ALK-W-2320B-LL | | df - wc | |
| <i>2 SEL Analytes: ALKB ALKC</i> | | | | | | | |
| 2107791-011C | | | | TDS-W-2540C | | df - tds | |
| <i>1 SEL Analytes: TDS</i> | | | | | | | |
| 2107791-011D | | | | NH3-W-350.1 | | df - no2/no3 & nh3 | |
| <i>1 SEL Analytes: NH3N</i> | | | | | | | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 | | df - no2/no3 & nh3 | |
| <i>1 SEL Analytes: NO3NO2N</i> | | | | | | | |

WORK ORDER Summary

Work Order: **2107791** Page 8 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|--------------|------------------|-----------------|-----------------|---|---------|-----|--------------------|---|
| 2107791-011E | MW-24A_07292021 | 7/29/2021 0700h | 7/30/2021 1100h | 200.7-DIS | Aqueous | | df-met | 1 |
| | | | | <i>5 SEL Analytes: CA MG K NA V</i> | | | | |
| | | | | 200.7-DIS-PR | | | df-met | |
| | | | | 200.8-DIS | | | df-met | |
| | | | | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | | | |
| | | | | 200.8-DIS-PR | | | df-met | |
| | | | | HG-DW-DIS-245.1 | | | df-met | |
| | | | | <i>1 SEL Analytes: HG</i> | | | | |
| | | | | HG-DW-DIS-PR | | | df-met | |
| | | | | IONBALANCE | | | df-met | |
| | | | | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | | | |
| 2107791-012A | MW-30_07292021 | 7/29/2021 0950h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | | VOCFridge | 3 |
| | | | | <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | | |
| 2107791-012B | | | | 300.0-W | | | df - wc | 1 |
| | | | | <i>3 SEL Analytes: CL F SO4</i> | | | | |
| | | | | ALK-W-2320B-LL | | | df - wc | |
| | | | | <i>2 SEL Analytes: ALKB ALKC</i> | | | | |
| 2107791-012C | | | | TDS-W-2540C | | | df - tds | |
| | | | | <i>1 SEL Analytes: TDS</i> | | | | |
| 2107791-012D | | | | NH3-W-350.1 | | | df - no2/no3 & nh3 | |
| | | | | <i>1 SEL Analytes: NH3N</i> | | | | |
| | | | | NH3-W-PR | | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 | | | df - no2/no3 & nh3 | |
| | | | | <i>1 SEL Analytes: NO3NO2N</i> | | | | |
| 2107791-012E | | | | 200.7-DIS | | | df-met | |
| | | | | <i>5 SEL Analytes: CA MG K NA V</i> | | | | |
| | | | | 200.7-DIS-PR | | | df-met | |
| | | | | 200.8-DIS | | | df-met | |
| | | | | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | | | |
| | | | | 200.8-DIS-PR | | | df-met | |
| | | | | HG-DW-DIS-245.1 | | | df-met | |
| | | | | <i>1 SEL Analytes: HG</i> | | | | |
| | | | | HG-DW-DIS-PR | | | df-met | |
| | | | | IONBALANCE | | | df-met | |
| | | | | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | | | |

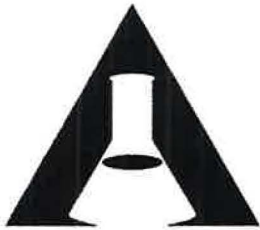
WORK ORDER Summary

Work Order: **2107791** Page 9 of 9

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|---|------------------|-----------------|-----------------|-----------------|---------|--------------------|---|
| 2107791-013A | MW-38_07292021 | 7/29/2021 0800h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | VOCFridge | 3 |
| <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | | | | | |
| 2107791-013B | | | | 300.0-W | | df - wc | 1 |
| <i>3 SEL Analytes: CL F SO4</i> | | | | | | | |
| | | | | ALK-W-2320B-LL | | df - wc | |
| <i>2 SEL Analytes: ALKB ALKC</i> | | | | | | | |
| 2107791-013C | | | | TDS-W-2540C | | df - tds | |
| <i>1 SEL Analytes: TDS</i> | | | | | | | |
| 2107791-013D | | | | NH3-W-350.1 | | df - no2/no3 & nh3 | |
| <i>1 SEL Analytes: NH3N</i> | | | | | | | |
| | | | | NH3-W-PR | | df - no2/no3 & nh3 | |
| | | | | NO2/NO3-W-353.2 | | df - no2/no3 & nh3 | |
| <i>1 SEL Analytes: NO3NO2N</i> | | | | | | | |
| 2107791-013E | | | | 200.7-DIS | | df-met | |
| <i>5 SEL Analytes: CA MG K NA V</i> | | | | | | | |
| | | | | 200.7-DIS-PR | | df-met | |
| | | | | 200.8-DIS | | df-met | |
| <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> | | | | | | | |
| | | | | 200.8-DIS-PR | | df-met | |
| | | | | HG-DW-DIS-245.1 | | df-met | |
| <i>1 SEL Analytes: HG</i> | | | | | | | |
| | | | | HG-DW-DIS-PR | | df-met | |
| | | | | IONBALANCE | | df-met | |
| <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> | | | | | | | |
| 2107791-014A | Trip Blank | 7/27/2021 1125h | 7/30/2021 1100h | 8260D-W-DEN100 | Aqueous | VOCFridge | 3 |
| <i>Test Group: 8260D-W-DEN100; # of Analytes: 11 / # of Surr: 4</i> | | | | | | | |
| 2107791-015A | MW-32_07282021 | 7/28/2021 1515h | 7/28/2021 1515h | 300.0-W | Aqueous | df - cl | 1 |
| <i>1 SEL Analytes: CL</i> | | | | | | | |



American West Analytical Laboratories

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 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.

2107791
 AWAL Lab Sample Set #
 Page 1 of 3

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: **3Rd Quarter Ground Water 2021**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

| 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. | | | | | | | | | | | | |
|-----------------|-------------------|--|----------------------|-----------------------------|-------------|---------------------|--------------------------------------|---|---|-------------|--------------|---------------------------------|-------------------|--|
| 3 | Standard | | | | | | | | | | | | | |
| # 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 | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | 1 VOC vial broken | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | 1 VOC vial broken | |
| 7 | w | x | x | x | x | x | x | x | x | x | x | | 1 VOC vial broken | |

Due Date: **8/13/21**

Laboratory Use Only

Samples Were: **WPS**

- Shipped or hand delivered
- Ambient or Chilled
- Temperature **2.9 °C**
- Received Broken/Leaking (Improperly Sealed) **Y**
- Properly Preserved **Y**
- Checked at bench **Y**
- Received Within Holding Times **Y**

3 vials

COC Tape Was:

- Present on Outer Package **Y** N NA
- Unbroken on Outer Package **Y** N NA
- Present on Sample **Y** N **NA**
- Unbroken on Sample **Y** N **NA**

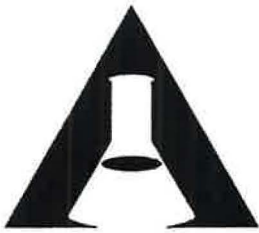
Discrepancies Between Sample Labels and COC Record? **Y** **N**

| 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-11_07272021 | 7/27/2021 | 1125 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 2 MW-14_07272021 | 7/27/2021 | 1450 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 3 MW-31_07272021 | 7/27/2021 | 1255 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 4 MW-36_07272021 | 7/27/2021 | 1425 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 5 MW-65_07272021 | 7/27/2021 | 1450 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 6 MW-25_07282021 | 7/28/2021 | 1000 | 7 | w | x | x | x | x | x | x | x | x | x | x | 1 VOC vial broken |
| 7 MW-26_07282021 | 7/28/2021 | 1300 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 8 MW-39_07282021 | 7/28/2021 | 1450 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 9 MW-40_07282021 | 7/28/2021 | 1040 | 7 | w | x | x | x | x | x | x | x | x | x | x | |
| 10 MW-24_07292021 | 7/29/2021 | 710 | 7 | w | x | x | x | x | x | x | x | x | x | x | 1 VOC vial broken |
| 11 MW-24A_07292021 | 7/29/2021 | 700 | 7 | w | x | x | x | x | x | x | x | x | x | x | 1 VOC vial broken |
| 12 MW-30_07292021 | 7/29/2021 | 950 | 7 | w | x | x | x | x | x | x | x | x | x | x | |

| | | | |
|--|-------------------------------|---|------------------------------|
| Relinquished by: <i>Tanner Holliday</i> Signature | Date: 7/29/2021 Time: 1100 | Received by: _____ Signature | Date: _____ Time: _____ |
| Print Name: Tanner Holliday | | 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: _____ Time: _____ |
| Print Name: _____ | | Print Name: _____ | |
| Relinquished by: _____ Signature | Date: _____ Time: _____ | Received by: <i>Denise Bruun</i> Signature | Date: 7/30/21 Time: 11:00 |
| Print Name: _____ | | Print Name: <i>Denise Bruun</i> | |

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.



**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.

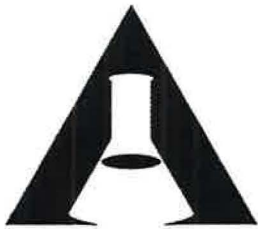
2107791

AWAL Lab Sample Set #
 Page 2 of 3

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: **3rd Quarter Ground Water 2021**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

| 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 | | | | | 8/13/21 | | | | | | | |
| Sample ID | Date Sampled | Time Sampled | # of Containers | Sample Matrix | NO2/NO3 (353.2) | NH3 (4500G or 350.1) | F1, 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, Ti, Sn, U, V, Zn, Na, K, Mg, Ca | Ion Balance | VOCs (8260C) | Known Hazards & Sample Comments | Laboratory Use Only |
| 1 MW-38_07292021 | 7/29/2021 | 800 | 7 | w | x | x | x | x | x | x | x | x | x | | Samples Were: WPS 1 Shipped or Hand delivered (Y) 2 Ambient or Chilled (Y) 3 Temperature 2.9 °C (Y) 4 Received Broken/Leaking (Improperly Sealed) (Y) N 3 voids 5 Properly Preserved (Y) N Checked at bench (Y) N 6 Received Within Holding Times (Y) N |
| 2 Trip Blank | 7/27/2021 | 1125 | 3 | w | | | | | | | | | x | | 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) |
| 3 | | | | | | | | | | | | | | | Discrepancies Between Sample Labels and COC Record? (Y) N |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | |

| | | | | |
|---|-----------------|--|---------------|--|
| Relinquished by: Signature <i>Tanner Holliday</i> | Date: 7/29/2021 | Received by: Signature _____ | Date: _____ | Special Instructions: Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| 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 <i>Denise Bruun</i> | Date: 7/30/21 | |
| Print Name: _____ | Time: _____ | Print Name: <i>Denise Bruun</i> | Time: 11:00 | |



**American West
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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.

2107791

AWAL Lab Sample Set #
 Page 3 of 3

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Tanneer Holliday**
 Phone #: **(435) 678-2221** Cell #:
 Email: **tholliday@energyfuels.com; kweinel@energyfuels.com;**
 Project Name: **3rd Quarter Ground Water 2021**
 Project #:
 PO #:
 Sampler Name: **Tanner Holliday**

| 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. | | Duc Date: | |
|-----------|--|-------------------|--|--|--|--|--|
| 3 | | Standard | | | | 8/13/21 | |
| | | | | | | Laboratory Use Only | |
| | | | | | | Samples Were: | |
| | | | | | | Shipped or hand delivered | |
| | | | | | | 2 Ambient or Cilled | |
| | | | | | | 3 Temperature 2.9 °C | |
| | | | | | | 4 Received Broken/Leaking (Improperly Sealed) | |
| | | | | | | Y N 3 via b | |
| | | | | | | 5 Properly Preserved | |
| | | | | | | Y N | |
| | | | | | | 6 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 | |

| 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) | SO4 (4500 or 300.0) | VOCs Chloroform, Dichloromethane, Carbon Tetrachloride (8260D) | Known Hazards & Sample Comments |
|------------------|--------------|--------------|-----------------|---------------|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|-------------------------------|---------------------|--|---------------------------------|
| 1 MW-32_07282021 | 7/28/2021 | 1515 | 1 | W | | | X | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |

| | | | | |
|--|-------------------------------|---|---------------|--|
| Relinquished by: <i>Tanner Holliday</i> Signature | Date: 7/29/2021 Time: 1100 | Received by: Signature | Date: | Special Instructions: Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| Print Name: Tanner Holliday | | 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: <i>Denise Brown</i> Signature | Date: 7/30/21 | |
| Print Name: | Time: | Print Name: <i>Denise Brown</i> | Time: 11:00 | |

Lab Set ID: 2107791

pH Lot #: 6700

Preservation Check Sheet

Sample Set Extension and pH

| Analysis | Preservative | -001 | -002 | -003 | -004 | -005 | -006 | -007 | -008 | -009 | -010 | -011 | -012 | -013 | | | | |
|----------------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| Ammonia | pH <2 H ₂ SO ₄ | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | | | | |
| COD | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Cyanide | pH >10 NaOH | | | | | | | | | | | | | | | | | |
| Metals | pH <2 HNO ₃ | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | | | | |
| NO ₂ /NO ₃ | pH <2 H ₂ SO ₄ | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | | | | |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Sulfide | pH >9 NaOH, ZnAC | | | | | | | | | | | | | | | | | |
| TKN | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| T PO ₄ | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Cr VI+ | pH >9 (NH ₄) ₂ SO ₄ | | | | | | | | | | | | | | | | | |
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- 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.



August 27, 2021

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 551444

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 02, 2021. 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
Project Manager

Purchase Order: DW16138
Enclosures



**Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 551444**

August 27, 2021

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 August 02, 2021 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:

| <u>Laboratory ID</u> | <u>Client ID</u> |
|-----------------------------|-------------------------|
| 551444001 | MW-11_07272021 |
| 551444002 | MW-14_07272021 |
| 551444003 | MW-31_07272021 |
| 551444004 | MW-36_07272021 |
| 551444005 | MW-65_07272021 |
| 551444006 | MW-25_07282021 |
| 551444007 | MW-26_07282021 |
| 551444008 | MW-39_07282021 |
| 551444009 | MW-40_07282021 |
| 551444010 | MW-24_07292021 |
| 551444011 | MW-24A_07292021 |
| 551444012 | MW-30_07292021 |
| 551444013 | MW-38_07292021 |

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.

A handwritten signature in black ink that reads "Julie Robinson". The script is cursive and fluid.

Julie Robinson
Project Manager



551444

CHAIN OF CUSTODY

Samples Shipped to: GEL Laboratories, LLC **Contact:** Tanner Holliday
2040 Savage Road Ph: 435 678 2221
Charleston, SC 29407 tholliday@energyfuels.com
(843) 556 8171

Chain of Custody/Sampling Analysis Request

| Project | Samplers Name | | Samplers Signature |
|--|-----------------|----------------|-------------------------------|
| Q3 Ground Water 2021 | Tanner Holliday | | <i>Tanner Holliday</i> |
| Sample ID | Date Collected | Time Collected | Laboratory Analysis Requested |
| MW-11 07272021 | 7/27/2021 | 1125 | Gross Alpha |
| MW-14 07272021 | 7/27/2021 | 1450 | Gross Alpha |
| MW-31 07272021 | 7/27/2021 | 1255 | Gross Alpha |
| MW-36 07272021 | 7/27/2021 | 1425 | Gross Alpha |
| MW-65 07272021 | 7/27/2021 | 1450 | Gross Alpha |
| MW-25 07282021 | 7/28/2021 | 1000 | Gross Alpha |
| MW-26 07282021 | 7/28/2021 | 1300 | Gross Alpha |
| MW-39 07282021 | 7/28/2021 | 1450 | Gross Alpha |
| MW-40 07282021 | 7/28/2021 | 1040 | Gross Alpha |
| MW-24 07292021 | 7/29/2021 | 710 | Gross Alpha |
| MW-24A 07292021 | 7/29/2021 | 700 | Gross Alpha |
| MW-30 07292021 | 7/29/2021 | 950 | Gross Alpha |
| MW-38 07292021 | 7/29/2021 | 800 | Gross Alpha |
| Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com | | | |

| | | | |
|--|--------------------------------|--|------------------------------|
| Relinquished By:(Signature) <i>Tanner Holliday</i> Tanner Holliday | Date/Time 7/29/2021 1100 | Received By:(Signature) <i>Amosia Baker</i> | Date/Time 8/2/2021 900 |
| Relinquished By:(Signature) | Date/Time | Received By:(Signature) | Date/Time |



Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

SR

Client: DNMI SDG/AR/COC/Work Order: 551444

Received By: TYE Date Received: 8/2/21

Carrier and Tracking Number
FedEx Express FedEx Ground UPS Field Services Courier Other

12 187 44 12 9502 8040

| | | | |
|--|-------------------------------------|--------------------------|---|
| 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? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | COC notation or radioactive stickers on containers equal client designation. |
| C) Did the RSO classify the samples as radioactive? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM / mR/hr Classified as: Rad 1 Rad 2 Rad 3 |
| D) Did the client designate samples are hazardous? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | COC notation or hazard labels on containers equal client designation. |
| E) Did the RSO identify possible hazards? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Seals broken Damaged container Leaking container Other (describe) |
| 2 Chain of custody documents included with shipment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Client contacted and provided COC COC created upon receipt |
| 3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?* | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Preservation Method: Wet Ice Ice Packs Dry ice <u>None</u> Other: _____ *all temperatures are recorded in Celsius <u>LAB 8/3/21</u> TEMP: <u>10°C</u> |
| 4 Daily check performed and passed on IR temperature gun? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Temperature Device Serial #: <u>IR2-20</u> Secondary Temperature Device Serial #-(If Applicable): _____ |
| 5 Sample containers intact and sealed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Seals broken Damaged container Leaking container Other (describe) |
| 6 Samples requiring chemical preservation at proper pH? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Sample ID's and containers affected: _____ If Preservation added, Lot#: _____ |
| 7 Do any samples require Volatile Analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | If Yes, are Encubes 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? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ID's and tests affected: _____ |
| 9 Sample ID's on COC match ID's on bottles? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ID's and containers affected: _____ |
| 10 Date & time on COC match date & time on bottles? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 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? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: No container count on COC Other (describe) |
| 12 Are sample containers identifiable as GEL provided by use of GEL labels? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Circle Applicable: Not relinquished Other (describe) |

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials GJR Date 8/3/21 Page 1 of 1

GEL Laboratories LLC – Login Review Report

Report Date: 27-AUG-21

Work Order: 551444

Page 1 of 2

GEL Work Order/SDG: 551444 Q3 Ground Water 2021
 Client SDG: 551444
 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: 30-AUG-21
 Package Due Date: 28-AUG-21
 EDD Due Date: 30-AUG-21
 Due Date: 30-AUG-21
 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 |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 551444001 | MW-11_07272021 | | 27-JUL-21 11:25 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444002 | MW-14_07272021 | | 27-JUL-21 14:50 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444003 | MW-31_07272021 | | 27-JUL-21 12:55 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444004 | MW-36_07272021 | | 27-JUL-21 14:25 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444005 | MW-65_07272021 | | 27-JUL-21 14:50 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444006 | MW-25_07282021 | | 28-JUL-21 10:00 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444007 | MW-26_07282021 | | 28-JUL-21 13:00 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444008 | MW-39_07282021 | | 28-JUL-21 14:50 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444009 | MW-40_07282021 | | 28-JUL-21 10:40 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444010 | MW-24_07292021 | | 29-JUL-21 07:10 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444011 | MW-24A_07292021 | | 29-JUL-21 07:00 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444012 | MW-30_07292021 | | 29-JUL-21 09:50 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |
| 551444013 | MW-38_07292021 | | 29-JUL-21 08:00 | 02-AUG-21 09:00 | -2 | 1 | GROUND WATER | | 20 | | 1 | | |

| Client Sample ID | Status | Tests/Methods | Product Reference | Fax Date | PM Comments | Aux Data | Receive Codes |
|----------------------|--------|----------------------------------|-------------------|----------|-------------|----------|---------------|
| -001 MW-11_07272021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -002 MW-14_07272021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -003 MW-31_07272021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -004 MW-36_07272021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -005 MW-65_07272021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -006 MW-25_07282021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -007 MW-26_07282021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -008 MW-39_07282021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -009 MW-40_07282021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -010 MW-24_07292021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |
| -011 MW-24A_07292021 | REVV | GFPC, Total Alpha Radium, Liquid | Gross Alpha | | | | |

GEL Laboratories LLC - Login Review Report

Report Date: 27-AUG-21

Work Order: 551444

Page 2 of 2

-012 MW-30_07292021 REVW GFPC, Total Alpha Radium, Liquid Gross Alpha
 -013 MW-38_07292021 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 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 |

| 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? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources
SDG #: 551444**

Product: GFPC, Total Alpha Radium, Liquid

Analytical Method: EPA 903.0

Analytical Procedure: GL-RAD-A-044 REV# 10

Analytical Batch: 2157704

The following samples were analyzed using the above methods and analytical procedure(s).

| <u>GEL Sample ID#</u> | <u>Client Sample Identification</u> |
|------------------------------|--|
| 551444001 | MW-11_07272021 |
| 551444002 | MW-14_07272021 |
| 551444003 | MW-31_07272021 |
| 551444004 | MW-36_07272021 |
| 551444005 | MW-65_07272021 |
| 551444006 | MW-25_07282021 |
| 551444007 | MW-26_07282021 |
| 551444008 | MW-39_07282021 |
| 551444009 | MW-40_07282021 |
| 551444010 | MW-24_07292021 |
| 551444011 | MW-24A_07292021 |
| 551444012 | MW-30_07292021 |
| 551444013 | MW-38_07292021 |
| 1204877840 | Method Blank (MB) |
| 1204877841 | 551444002(MW-14_07272021) Sample Duplicate (DUP) |
| 1204877842 | 551444002(MW-14_07272021) Matrix Spike (MS) |
| 1204877843 | 551444002(MW-14_07272021) Matrix Spike Duplicate (MSD) |
| 1204877844 | 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

1204877841 (MW-14_07272021DUP), 1204877842 (MW-14_07272021MS), 1204877843 (MW-14_07272021MSD) and 551444002 (MW-14_07272021) Aliquots were reduced due to limited sample volume.

Technical Information

Recounts

Sample 1204877843 (MW-14_07272021MSD) was recounted due to low recovery. The recount is reported.

Miscellaneous Information

Additional Comments

The matrix spike and matrix spike duplicate, 1204877842 (MW-14_07272021MS) and 1204877843 (MW-14_07272021MSD), 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: 551444 GEL Work Order: 551444

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: 27 AUG 2021

Title: Group Leader

GEL LABORATORIES LLC

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QC Summary

Report Date: August 25, 2021

Page 1 of

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

Contact: Ms. Kathy Weinel

Workorder: 551444

| Parmname | NOM | Sample | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|---------------------|-------------|----------|------|----------|-------|-------|------|------------|-------|----------|------|
| Rad Gas Flow | | | | | | | | | | | |
| Batch | 2157704 | | | | | | | | | | |
| QC1204877841 | 551444002 | DUP | | | | | | | | | |
| Gross Radium Alpha | U | 0.941 | U | 0.321 | pCi/L | N/A | | N/A | JXC9 | 08/23/21 | 17:2 |
| | Uncertainty | +/-0.386 | | +/-0.247 | | | | | | | |
| QC1204877844 | LCS | | | | | | | | | | |
| Gross Radium Alpha | 566 | | | 513 | pCi/L | | 90.8 | (75%-125%) | | 08/23/21 | 17:2 |
| | Uncertainty | | | +/-5.54 | | | | | | | |
| QC1204877840 | MB | | | | | | | | | | |
| Gross Radium Alpha | | | U | -0.00284 | pCi/L | | | | | 08/23/21 | 16:4 |
| | Uncertainty | | | +/-0.135 | | | | | | | |
| QC1204877842 | 551444002 | MS | | | | | | | | | |
| Gross Radium Alpha | 4470 U | 0.941 | | 3390 | pCi/L | | 75.8 | (75%-125%) | | 08/23/21 | 17:2 |
| | Uncertainty | +/-0.386 | | +/-38.6 | | | | | | | |
| QC1204877843 | 551444002 | MSD | | | | | | | | | |
| Gross Radium Alpha | 4450 U | 0.941 | | 3360 | pCi/L | 0.901 | 75.4 | (0%-20%) | | 08/24/21 | 15:2 |
| | Uncertainty | +/-0.386 | | +/-36.7 | | | | | | | |

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

GEL LABORATORIES LLC

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QC Summary

Workorder: 551444

Page 2 of

| 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

August 2021



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-001
Client Sample ID: MW-11_08102021
Collection Date: 8/10/2021 1110h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/18/2021 038h | E300.0 | 10.0 | 57.0 | |
| Sulfate | mg/L | | 8/18/2021 038h | E300.0 | 50.0 | 1,370 | |

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-002
Client Sample ID: MW-26_08102021
Collection Date: 8/10/2021 930h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/18/2021 102h | E300.0 | 5.00 | 61.4 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/16/2021 904h | E353.2 | 0.100 | 1.42 | |

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Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-002C
Client Sample ID: MW-26_08102021
Collection Date: 8/10/2021 930h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 8/16/2021 940h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------|------------|-----------------|-------------------|------|
| Chloroform | 67-66-3 | 10.0 | 996 | ~ |

| Surrogate | Units: µg/L | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|-------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 481 | 500.0 | 96.1 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 542 | 500.0 | 108 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 491 | 500.0 | 98.2 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 522 | 500.0 | 104 | 81-123 | |

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 8/16/2021 821h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | 1.25 | |

| Surrogate | Units: µg/L | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|-------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 48.3 | 50.00 | 96.5 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 55.0 | 50.00 | 110 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 49.2 | 50.00 | 98.3 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 52.5 | 50.00 | 105 | 81-123 | |

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Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-003
Client Sample ID: MW-30_08092021
Collection Date: 8/9/2021 1115h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Selenium | mg/L | 8/16/2021 856h | 8/26/2021 708h | E200.8 | 0.00500 | 0.0561 | |
| Uranium | mg/L | 8/16/2021 856h | 8/26/2021 708h | E200.8 | 0.000500 | 0.00938 | |

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Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-003
Client Sample ID: MW-30_08092021
Collection Date: 8/9/2021 1115h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/18/2021 125h | E300.0 | 5.00 | 161 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/16/2021 914h | E353.2 | 0.200 | 16.5 | |

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Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-004
Client Sample ID: MW-31_08092021
Collection Date: 8/9/2021 1340h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Uranium | mg/L | 8/16/2021 856h | 8/26/2021 712h | E200.8 | 0.000500 | 0.0193 | |

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-004
Client Sample ID: MW-31_08092021
Collection Date: 8/9/2021 1340h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/18/2021 149h | E300.0 | 10.0 | 365 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/16/2021 912h | E353.2 | 0.100 | 15.7 | |
| Sulfate | mg/L | | 8/18/2021 149h | E300.0 | 50.0 | 1,130 | |
| Total Dissolved Solids | mg/L | | 8/13/2021 1250h | SM2540C | 20.0 | 2,600 | |

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-005
Client Sample ID: MW-65_08092021
Collection Date: 8/9/2021 1115h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

DISSOLVED METALS

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Selenium | mg/L | 8/16/2021 856h | 8/26/2021 730h | E200.8 | 0.00500 | 0.0572 | |
| Uranium | mg/L | 8/16/2021 856h | 8/26/2021 730h | E200.8 | 0.000500 | 0.00948 | |

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Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-005
Client Sample ID: MW-65_08092021
Collection Date: 8/9/2021 1115h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 8/18/2021 300h | E300.0 | 5.00 | 181 | |
| Nitrate/Nitrite (as N) | mg/L | | 8/16/2021 916h | E353.2 | 0.200 | 18.6 | |

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Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Sample ID: 2108362-006A
Client Sample ID: Trip Blank
Collection Date: 8/10/2021 930h
Received Date: 8/13/2021 938h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 8/16/2021 841h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

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| Surrogate | Units: µg/L | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|-------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 48.3 | 50.00 | 96.6 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 54.3 | 50.00 | 109 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 48.3 | 50.00 | 96.6 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 52.1 | 50.00 | 104 | 81-123 | |

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: August Ground Water 2021

Dear Tanner Holliday:

Lab Set ID: 2108362

3440 South 700 West

Salt Lake City, UT 84119

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American West Analytical Laboratories received sample(s) on 8/13/2021 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.

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

| | |
|--------------------------|---|
| Jose G. Rocha | Digitally signed by Jose G. Rocha Date: 2021.08.30 15:03:15 -06'00' |
|--------------------------|---|

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: August Ground Water 2021
Lab Set ID: 2108362
Date Received: 8/13/2021 938h

Contact: Tanner Holliday

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|-----------------|---------|------------------------------------|
| 2108362-001A | MW-11_08102021 | 8/10/2021 1110h | Aqueous | Anions, E300.0 |
| 2108362-002A | MW-26_08102021 | 8/10/2021 930h | Aqueous | Anions, E300.0 |
| 2108362-002B | MW-26_08102021 | 8/10/2021 930h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2108362-002C | MW-26_08102021 | 8/10/2021 930h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2108362-003A | MW-30_08092021 | 8/9/2021 1115h | Aqueous | Anions, E300.0 |
| 2108362-003B | MW-30_08092021 | 8/9/2021 1115h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2108362-003C | MW-30_08092021 | 8/9/2021 1115h | Aqueous | ICPMS Metals, Dissolved |
| 2108362-004A | MW-31_08092021 | 8/9/2021 1340h | Aqueous | Anions, E300.0 |
| 2108362-004B | MW-31_08092021 | 8/9/2021 1340h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2108362-004C | MW-31_08092021 | 8/9/2021 1340h | Aqueous | ICPMS Metals, Dissolved |
| 2108362-004D | MW-31_08092021 | 8/9/2021 1340h | Aqueous | Total Dissolved Solids, A2540C |
| 2108362-005A | MW-65_08092021 | 8/9/2021 1115h | Aqueous | Anions, E300.0 |
| 2108362-005B | MW-65_08092021 | 8/9/2021 1115h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2108362-005C | MW-65_08092021 | 8/9/2021 1115h | Aqueous | ICPMS Metals, Dissolved |
| 2108362-006A | Trip Blank | 8/10/2021 930h | Aqueous | VOA by GC/MS Method 8260D/5030C |

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Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: August Ground Water 2021
Lab Set ID: 2108362

Sample Receipt Information:

Date of Receipt: 8/13/2021
Date of Collection: 8/9-8/10/2021
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: August Ground Water 2021
Lab Set ID: 2108362

Sample Receipt Information:

Date of Receipt: 8/13/2021
Date of Collection: 8/9-8/10/2021
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 were outside of the control limits due to sample matrix interference.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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-78965 | Date Analyzed: | 08/26/2021 | 704h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 08/16/2021 | 856h | | | | | | | | | | |
| Selenium | 0.192 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 96.2 | 85 - 115 | | | | |
| Uranium | 0.190 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0 | 95.0 | 85 - 115 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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-78965 | Date Analyzed: | 08/26/2021 | 700h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 08/16/2021 | 856h | | | | | | | | | | |
| Selenium | < 0.000500 | mg/L | E200.8 | 0.000127 | 0.000500 | | | | | | | | |
| Uranium | < 0.000500 | mg/L | E200.8 | 0.0000440 | 0.000500 | | | | | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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: 2108362-004CMS | Date Analyzed: 08/26/2021 723h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 08/16/2021 856h | | | | | | | | | | | | |
| Selenium | 0.297 | mg/L | E200.8 | 0.000127 | 0.000500 | 0.2000 | 0.0934 | 102 | 75 - 125 | | | | |
| Uranium | 0.220 | mg/L | E200.8 | 0.0000440 | 0.000500 | 0.2000 | 0.0193 | 100 | 75 - 125 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2108362

Project: August Ground Water 2021

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: 2108362-004CMSD | Date Analyzed: | 08/26/2021 | 726h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 08/16/2021 | 856h | | | | | | | | | | |
| Selenium | 0.302 | mg/L | E200.8 | 0.000127 | 0.000500 | 0.2000 | 0.0934 | 104 | 75 - 125 | 0.297 | 1.40 | 20 | |
| Uranium | 0.220 | mg/L | E200.8 | 0.0000440 | 0.000500 | 0.2000 | 0.0193 | 100 | 75 - 125 | 0.22 | 0.0427 | 20 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2108362

Project: August Ground Water 2021

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: 2108362-004DDUP | Date Analyzed: | | 08/13/2021 1250h | | | | | | | | | | |
| Test Code: TDS-W-2540C | | | | | | | | | | | | | |
| Total Dissolved Solids | 2,650 | mg/L | SM2540C | 16.0 | 20.0 | | | | | 2600 | 1.83 | 5 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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-R155612 Date Analyzed: 08/17/2021 2153h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 5.34 | mg/L | E300.0 | 0.0198 | 0.100 | 5.000 | 0 | 107 | 90 - 110 | | | | |
| Sulfate | 5.09 | mg/L | E300.0 | 0.0750 | 0.500 | 5.000 | 0 | 102 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R155493 Date Analyzed: 08/16/2021 856h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 1.01 | mg/L | E353.2 | 0.00541 | 0.0100 | 1.000 | 0 | 101 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R155501 Date Analyzed: 08/13/2021 1250h | | | | | | | | | | | | | |
| 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: 2108362
Project: August Ground Water 2021

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-R155612 | | | | | | | | | | | | | |
| Date Analyzed: 08/17/2021 2129h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.0198 | 0.100 | | | | | | | | |
| Sulfate | < 0.500 | mg/L | E300.0 | 0.0750 | 0.500 | | | | | | | | |
| Lab Sample ID: MB-SPLP | | | | | | | | | | | | | |
| Date Analyzed: 08/17/2021 2217h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.0198 | 0.100 | | | | | | | | |
| Sulfate | < 0.500 | mg/L | E300.0 | 0.0750 | 0.500 | | | | | | | | |
| Lab Sample ID: MB-R155493 | | | | | | | | | | | | | |
| Date Analyzed: 08/16/2021 855h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00541 | 0.0100 | | | | | | | | |
| Lab Sample ID: MB-R155501 | | | | | | | | | | | | | |
| Date Analyzed: 08/13/2021 1250h | | | | | | | | | | | | | |
| 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: 2108362
Project: August Ground Water 2021

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: 2108362-004AMS | | | | | | | | | | | | | |
| Date Analyzed: 08/18/2021 213h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 870 | mg/L | E300.0 | 1.98 | 10.0 | 500.0 | 365 | 101 | 90 - 110 | | | | |
| Sulfate | 1,610 | mg/L | E300.0 | 7.50 | 50.0 | 500.0 | 1130 | 96.0 | 90 - 110 | | | | |
| Lab Sample ID: 2108362-002BMS | | | | | | | | | | | | | |
| Date Analyzed: 08/16/2021 905h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.6 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 1.42 | 102 | 90 - 110 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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: 2108362-004AMSD | Date Analyzed: 08/18/2021 236h | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 863 | mg/L | E300.0 | 1.98 | 10.0 | 500.0 | 365 | 99.7 | 90 - 110 | 870 | 0.759 | 20 | |
| Sulfate | 1,590 | mg/L | E300.0 | 7.50 | 50.0 | 500.0 | 1130 | 92.3 | 90 - 110 | 1610 | 1.16 | 20 | |
| Lab Sample ID: 2108362-002BMSD | Date Analyzed: 08/16/2021 906h | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.7 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 1.42 | 103 | 90 - 110 | 11.6 | 0.819 | 10 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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 081621A | | Date Analyzed: 08/16/2021 709h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | 22.6 | µg/L | SW8260D | 0.785 | 1.00 | 20.00 | 0 | 113 | 66 - 143 | | | | |
| Chloroform | 20.9 | µg/L | SW8260D | 0.360 | 1.00 | 20.00 | 0 | 104 | 74 - 120 | | | | |
| Methylene chloride | 21.5 | µg/L | SW8260D | 0.451 | 1.00 | 20.00 | 0 | 108 | 65 - 154 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 48.0 | µg/L | SW8260D | | | 50.00 | | 95.9 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 50.3 | µg/L | SW8260D | | | 50.00 | | 101 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 49.1 | µg/L | SW8260D | | | 50.00 | | 98.2 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 51.1 | µg/L | SW8260D | | | 50.00 | | 102 | 81 - 123 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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 081621A | | Date Analyzed: 08/16/2021 728h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | < 1.00 | µg/L | SW8260D | 0.785 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260D | 0.360 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260D | 0.451 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 48.2 | µg/L | SW8260D | | | 50.00 | | 96.3 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 53.8 | µg/L | SW8260D | | | 50.00 | | 108 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 48.1 | µg/L | SW8260D | | | 50.00 | | 96.2 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 51.7 | µg/L | SW8260D | | | 50.00 | | 103 | 81 - 123 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2108362
Project: August Ground Water 2021

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: 2108362-002CMS | | Date Analyzed: 08/16/2021 959h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | 223 | µg/L | SW8260D | 7.85 | 10.0 | 200.0 | 0 | 112 | 66 - 143 | | | | |
| Chloroform | 1,220 | µg/L | SW8260D | 3.60 | 10.0 | 200.0 | 1230 | -6.55 | 74 - 120 | | | | |
| Methylene chloride | 218 | µg/L | SW8260D | 4.51 | 10.0 | 200.0 | 1.25 | 109 | 65 - 154 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 479 | µg/L | SW8260D | | | 500.0 | | 95.7 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 513 | µg/L | SW8260D | | | 500.0 | | 103 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 491 | µg/L | SW8260D | | | 500.0 | | 98.2 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 515 | µg/L | SW8260D | | | 500.0 | | 103 | 81 - 123 | | | | |

¹ - 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: 2108362

Project: August Ground Water 2021

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: 2108362-002CMSD | | Date Analyzed: 08/16/2021 1019h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | 226 | µg/L | SW8260D | 7.85 | 10.0 | 200.0 | 0 | 113 | 66 - 143 | 223 | 1.33 | 35 | |
| Chloroform | 1,230 | µg/L | SW8260D | 3.60 | 10.0 | 200.0 | 1230 | 0.100 | 74 - 120 | 1220 | 1.09 | 35 | 1 |
| Methylene chloride | 221 | µg/L | SW8260D | 4.51 | 10.0 | 200.0 | 1.25 | 110 | 65 - 154 | 219 | 1.14 | 35 | |
| Surr: 1,2-Dichloroethane-d4 | 485 | µg/L | SW8260D | | | 500.0 | | 96.9 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 532 | µg/L | SW8260D | | | 500.0 | | 106 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 496 | µg/L | SW8260D | | | 500.0 | | 99.1 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 521 | µg/L | SW8260D | | | 500.0 | | 104 | 81 - 123 | | | | |

¹ - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

WORK ORDER Summary

 Work Order: **2108362**

Page 1 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2021

Client ID: ENE300

Contact: Tanner Holliday

Project: August Ground Water 2021

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.;

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|----------------|---|
| 2108362-001A | MW-11_08102021 | 8/10/2021 1110h | 8/13/2021 0938h | 300.0-W 2 SEL Analytes: CL SO4 | Aqueous | <input checked="" type="checkbox"/> | df - wc | 1 |
| 2108362-002A | MW-26_08102021 | 8/10/2021 0930h | 8/13/2021 0938h | 300.0-W 1 SEL Analytes: CL | Aqueous | <input checked="" type="checkbox"/> | df - wc | 1 |
| 2108362-002B | | | | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | | <input checked="" type="checkbox"/> | df - no2/no3 | |
| 2108362-002C | | | | 8260D-W-DEN100 Test Group: 8260D-W-DEN100; # of Analytes: 3 / # of Surr: 4 | | <input checked="" type="checkbox"/> | Purge | 3 |
| 2108362-003A | MW-30_08092021 | 8/9/2021 1115h | 8/13/2021 0938h | 300.0-W 1 SEL Analytes: CL | Aqueous | <input checked="" type="checkbox"/> | df - wc | 1 |
| 2108362-003B | | | | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | | <input checked="" type="checkbox"/> | df - no2/no3 | |
| 2108362-003C | | | | 200.8-DIS 2 SEL Analytes: SE U | | <input checked="" type="checkbox"/> | df - dismetals | |
| | | | | 200.8-DIS-PR | | <input type="checkbox"/> | df - dismetals | |
| 2108362-004A | MW-31_08092021 | 8/9/2021 1340h | 8/13/2021 0938h | 300.0-W 2 SEL Analytes: CL SO4 | Aqueous | <input checked="" type="checkbox"/> | df - wc | 1 |
| 2108362-004B | | | | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | | <input checked="" type="checkbox"/> | df - no2/no3 | |
| 2108362-004C | | | | 200.8-DIS 1 SEL Analytes: U | | <input checked="" type="checkbox"/> | df - dismetals | |
| 2108362-004D | | | | 200.8-DIS-PR | | <input type="checkbox"/> | df - dismetals | |
| | | | | TDS-W-2540C 1 SEL Analytes: TDS | | <input checked="" type="checkbox"/> | df - tds | |
| 2108362-005A | MW-65_08092021 | 8/9/2021 1115h | 8/13/2021 0938h | 300.0-W 1 SEL Analytes: CL | Aqueous | <input checked="" type="checkbox"/> | df - wc | 1 |
| 2108362-005B | | | | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | | <input checked="" type="checkbox"/> | df - no2/no3 | |
| 2108362-005C | | | | 200.8-DIS 2 SEL Analytes: SE U | | <input checked="" type="checkbox"/> | df - dismetals | |

WORK ORDER Summary

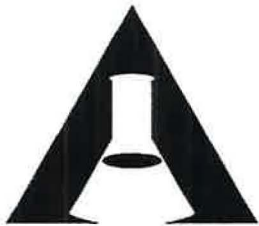
Work Order: **2108362** Page 2 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|--------------|------------------|-----------------|-----------------|----------------|---------|-------------------------------------|---------------|---|
| 2108362-005C | MW-65_08092021 | 8/9/2021 1115h | 8/13/2021 0938h | 200.8-DIS-PR | Aqueous | <input type="checkbox"/> | df -dismetals | 1 |
| 2108362-006A | Trip Blank | 8/10/2021 0930h | 8/13/2021 0938h | 8260D-W-DEN100 | Aqueous | <input checked="" type="checkbox"/> | Purge | 3 |

Test Group: 8260D-W-DEN100; # of Analytes: 3 / # of Surr: 4



American West Analytical Laboratories

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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.

2108362
 AWAL Lab Sample Set #
 Page 1 of 1

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: **August Ground Water 2021**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

| 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 | | | | | | | | | | | | | | |
| Sample ID | Date Sampled | Time Sampled | # of Containers | Sample Matrix | NO ₂ /NO ₃ (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-FC or 300.0) | SO ₄ (4500 or 300.0) | VOCs Chloroform, Dichloromethane, Carbon Tetrachloride (8260D) | Laboratory Use Only | |
| | | | | | | | | | | | | | | | Samples Were: | |
| 1 MW-11_08102021 | 8/10/2021 | 1110 | 1 | W | | X | | | | | | X | | | X Include EDD: LOCUS UPLOAD EXCEL X Field Filtered For: Dissolved Metals For Compliance With: <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other: Known Hazards & Sample Comments | |
| 3 MW-26_08122021 | 8/10/2021 | 930 | 5 | W | X | X | | | | | | | | X | 1 Shipped or hand delivered 2 Ambient or Chilled 3 Temperature 0.2 °C 4 Received Broken/Leaking (Improperly Sealed) Y N 5 Properly Preserved Checked at bench Y N 6 Received Within Holding Times Y N | |
| 4 MW-30_08092021 | 8/9/2021 | 1115 | 3 | W | X | X | | X | X | | | | | | 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 | |
| 5 MW-31_08092021 | 8/9/2021 | 1340 | 4 | W | X | X | X | X | | | | X | | | | |
| 6 MW-65_08092021 | 8/9/2021 | 1115 | 3 | W | X | X | | X | X | | | | | | | |
| 9 Trip Blank | 8/10/2021 | 930 | 3 | W | | | | | | | | | | X | | |
| | | | | | | | | | | | | | | | Discrepancies Between Sample Labels and COC Record? Y N | |

| | | | |
|--|-----------------|---|---------------|
| Relinquished by: Signature: <i>Juanita Holliday</i> | Date: 8/13/2021 | Received by: Signature: <i>S. L. ...</i> | Date: 8/13/21 |
| Print Name: Tanner Holliday | Time: 0938 | Print Name: S. L. ... | Time: 938 |
| 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: | 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: 2108362
 pH Lot #: 6700

Preservation Check Sheet

Sample Set Extension and pH

| Analysis | Preservative | 2 | 3 | 4 | 5 | | | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | |
| COD | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | |
| Cyanide | pH >10 NaOH | | | | | | | | | | | | | | | | |
| Metals | pH <2 HNO ₃ | | YES | YES | YES | | | | | | | | | | | | |
| NO ₂ /NO ₃ | pH <2 H ₂ SO ₄ | YES | YES | YES | YES | | | | | | | | | | | | |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | |
| Phenols | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | |
| Sulfide | pH >9 NaOH, ZnAC | | | | | | | | | | | | | | | | |
| TKN | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | |
| T PO ₄ | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | |
| Cr VI+ | pH >9 (NH ₄) ₂ SO ₄ | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |

- 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

September 2021



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: September Ground Water 2021
Lab Sample ID: 2109256-001
Client Sample ID: MW-11_09072021
Collection Date: 9/7/2021 1320h
Received Date: 9/10/2021 1100h

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|---------------|----------------|-------------|-----------------|-------------------|------|
| Chloride | mg/L | | 9/23/2021 427h | E300.0 | 2.00 | 49.6 | |
| Sulfate | mg/L | | 9/23/2021 014h | E300.0 | 100 | 1,240 | |

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web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Sample ID: 2109256-002
Client Sample ID: MW-26_09092021
Collection Date: 9/9/2021 800h
Received Date: 9/10/2021 1100h

Contact: Tanner Holliday

Analytical Results

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 9/23/2021 221h | E300.0 | 2.00 | 59.3 | |
| Nitrate/Nitrite (as N) | mg/L | | 9/15/2021 1458h | E353.2 | 0.100 | 0.710 | |

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Jennifer Osborn

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Sample ID: 2109256-002C
Client Sample ID: MW-26_09092021
Collection Date: 9/9/2021 800h
Received Date: 9/10/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 9/15/2021 842h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------|------------|-----------------|-------------------|----------------|
| Chloroform | 67-66-3 | 10.0 | 516 | ~ ¹ |

| Surrogate | Units: µg/L | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|-------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 488 | 500.0 | 97.6 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 485 | 500.0 | 97.0 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 467 | 500.0 | 93.5 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 479 | 500.0 | 95.9 | 81-123 | |

¹ - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 9/15/2021 743h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| Carbon tetrachloride | 56-23-5 | 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 | 50.7 | 50.00 | 101 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 49.2 | 50.00 | 98.3 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 48.9 | 50.00 | 97.8 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.6 | 50.00 | 99.3 | 81-123 | |

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Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: September Ground Water 2021
Lab Sample ID: 2109256-003
Client Sample ID: MW-30_09082021
Collection Date: 9/8/2021 1220h
Received Date: 9/10/2021 1100h

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Selenium | mg/L | 9/13/2021 1144h | 9/18/2021 1054h | E200.8 | 0.00500 | 0.0604 | |
| Uranium | mg/L | 9/13/2021 1144h | 9/18/2021 1054h | E200.8 | 0.000300 | 0.00974 | |

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QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Sample ID: 2109256-003
Client Sample ID: MW-30_09082021
Collection Date: 9/8/2021 1220h
Received Date: 9/10/2021 1100h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 9/23/2021 246h | E300.0 | 5.00 | 183 | |
| Nitrate/Nitrite (as N) | mg/L | | 9/15/2021 1504h | E353.2 | 0.100 | 15.4 | |

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QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: September Ground Water 2021
Lab Sample ID: 2109256-004
Client Sample ID: MW-31_09072021
Collection Date: 9/7/2021 1420h
Received Date: 9/10/2021 1100h

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Uranium | mg/L | 9/13/2021 1144h | 9/18/2021 1112h | E200.8 | 0.000300 | 0.0202 | |

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Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Sample ID: 2109256-004
Client Sample ID: MW-31_09072021
Collection Date: 9/7/2021 1420h
Received Date: 9/10/2021 1100h

Contact: Tanner Holliday

Analytical Results

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride | mg/L | | 9/23/2021 311h | E300.0 | 10.0 | 356 | |
| Nitrate/Nitrite (as N) | mg/L | | 9/15/2021 1507h | E353.2 | 0.100 | 16.0 | |
| Sulfate | mg/L | | 9/23/2021 311h | E300.0 | 50.0 | 1,130 | |
| Total Dissolved Solids | mg/L | | 9/10/2021 1220h | SM2540C | 20.0 | 2,870 | |

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: September Ground Water 2021
Lab Sample ID: 2109256-005
Client Sample ID: MW-65_09072021
Collection Date: 9/7/2021 1420h
Received Date: 9/10/2021 1100h

Analytical Results

DISSOLVED METALS

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Uranium | mg/L | 9/13/2021 1144h | 9/18/2021 1116h | E200.8 | 0.000300 | 0.0194 | |

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Sample ID: 2109256-005
Client Sample ID: MW-65_09072021
Collection Date: 9/7/2021 1420h
Received Date: 9/10/2021 1100h

Contact: Tanner Holliday

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|-------------|-----------------|-------------------|------|
| Chloride | mg/L | | 9/23/2021 453h | E300.0 | 1.00 | 356 | |
| Nitrate/Nitrite (as N) | mg/L | | 9/15/2021 1508h | E353.2 | 0.100 | 16.5 | |
| Sulfate | mg/L | | 9/23/2021 337h | E300.0 | 100 | 1,130 | |
| Total Dissolved Solids | mg/L | | 9/10/2021 1220h | SM2540C | 20.0 | 3,640 | |

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Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Sample ID: 2109256-006A
Client Sample ID: Trip Blank
Collection Date: 9/9/2021 800h
Received Date: 9/10/2021 1100h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 9/15/2021 941h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| 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 | 50.1 | 50.00 | 100 | 80-136 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 49.8 | 50.00 | 99.6 | 85-121 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 47.5 | 50.00 | 95.1 | 78-132 | |
| Surr: Toluene-d8 | | 2037-26-5 | 49.1 | 50.00 | 98.2 | 81-123 | |

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: September Ground Water 2021

Dear Tanner Holliday:

Lab Set ID: 2109256

American West Analytical Laboratories received sample(s) on 9/10/2021 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,

Digitally signed by
Jennifer Osborn
DN: cn=Jennifer Osborn,
o=AWAL, ou=Organics,
email=jenn@awal-labs.
com, c=US
Date: 2021.09.24
11:52:59 -06'00'

Approved by:

Laboratory Director or designee

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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: September Ground Water 2021
Lab Set ID: 2109256
Date Received: 9/10/2021 1100h

Contact: Tanner Holliday

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---------------|------------------|----------------|---------|---------------------------------|
| 2109256-001A | MW-11_09072021 | 9/7/2021 1320h | Aqueous | Anions, E300.0 |
| 2109256-002A | MW-26_09092021 | 9/9/2021 800h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2109256-002B | MW-26_09092021 | 9/9/2021 800h | Aqueous | Anions, E300.0 |
| 2109256-002C | MW-26_09092021 | 9/9/2021 800h | Aqueous | VOA by GC/MS Method 8260D/5030C |
| 2109256-003A | MW-30_09082021 | 9/8/2021 1220h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2109256-003B | MW-30_09082021 | 9/8/2021 1220h | Aqueous | Anions, E300.0 |
| 2109256-003C | MW-30_09082021 | 9/8/2021 1220h | Aqueous | ICPMS Metals, Dissolved |
| 2109256-004A | MW-31_09072021 | 9/7/2021 1420h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2109256-004B | MW-31_09072021 | 9/7/2021 1420h | Aqueous | Anions, E300.0 |
| 2109256-004C | MW-31_09072021 | 9/7/2021 1420h | Aqueous | Total Dissolved Solids, A2540C |
| 2109256-004D | MW-31_09072021 | 9/7/2021 1420h | Aqueous | ICPMS Metals, Dissolved |
| 2109256-005A | MW-65_09072021 | 9/7/2021 1420h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 2109256-005B | MW-65_09072021 | 9/7/2021 1420h | Aqueous | Anions, E300.0 |
| 2109256-005C | MW-65_09072021 | 9/7/2021 1420h | Aqueous | Total Dissolved Solids, A2540C |
| 2109256-005D | MW-65_09072021 | 9/7/2021 1420h | Aqueous | ICPMS Metals, Dissolved |
| 2109256-006A | Trip Blank | 9/9/2021 800h | Aqueous | VOA by GC/MS Method 8260D/5030C |

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Jose Rocha

QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: September Ground Water 2021
Lab Set ID: 2109256

Sample Receipt Information:

Date of Receipt: 9/10/2021
Date of Collection: 9/7-9/9/2021
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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Jose Rocha
QA Officer



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: September Ground Water 2021
Lab Set ID: 2109256

Sample Receipt Information:

| | |
|-----------------------------|----------------------------|
| Date of Receipt: | 9/10/2021 |
| Date of Collection: | 9/7-9/9/2021 |
| Sample Condition: | Intact |
| C-O-C Discrepancies: | None |
| Method: | SW-846 8260D/5030C |
| Analysis: | Volatile Organic Compounds |

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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.

Jennifer Osborn
Laboratory Director

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Jose Rocha
QA Officer

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 MSD percent recovery for Chloroform on sample 2109256-002C were outside of the control limits due to sample matrix interference.

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: 2109256

Project: September Ground Water 2021

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-79537 | Date Analyzed: 09/18/2021 1050h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 09/13/2021 1144h | | | | | | | | | | | | |
| Selenium | 0.197 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0 | 98.6 | 85 - 115 | | | | |
| Uranium | 0.192 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0 | 96.0 | 85 - 115 | | | | |



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2109256

Project: September Ground Water 2021

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-79537 | Date Analyzed: | 09/18/2021 | 1047h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 09/13/2021 | 1144h | | | | | | | | | | |
| 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: 2109256

Project: September Ground Water 2021

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: 2109256-003CMS | Date Analyzed: 09/18/2021 1130h | | | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: 09/13/2021 1144h | | | | | | | | | | | | |
| Selenium | 0.252 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0604 | 95.6 | 75 - 125 | | | | |
| Uranium | 0.203 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.00974 | 96.4 | 75 - 125 | | | | |



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 QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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: 2109256-003CMSD | Date Analyzed: | 09/18/2021 | 1134h | | | | | | | | | | |
| Test Code: 200.8-DIS | Date Prepared: | 09/13/2021 | 1144h | | | | | | | | | | |
| Selenium | 0.254 | mg/L | E200.8 | 0.000508 | 0.00200 | 0.2000 | 0.0604 | 96.6 | 75 - 125 | 0.252 | 0.801 | 20 | |
| Uranium | 0.204 | mg/L | E200.8 | 0.000176 | 0.00200 | 0.2000 | 0.00974 | 97.1 | 75 - 125 | 0.203 | 0.697 | 20 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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: 2109256-004CDUP | Date Analyzed: 09/10/2021 1220h | | | | | | | | | | | | |
| Test Code: TDS-W-2540C | | | | | | | | | | | | | |
| Total Dissolved Solids | 2,860 | mg/L | SM2540C | 16.0 | 20.0 | | | | | 2870 | 0.559 | 5 | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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-R156998 Date Analyzed: 09/22/2021 2116h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.65 | mg/L | E300.0 | 0.0198 | 0.100 | 5.000 | 0 | 93.0 | 90 - 110 | | | | |
| Sulfate | 4.69 | mg/L | E300.0 | 0.0750 | 0.500 | 5.000 | 0 | 93.7 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R156682 Date Analyzed: 09/15/2021 1436h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 1.01 | mg/L | E353.2 | 0.00541 | 0.0100 | 1.000 | 0 | 101 | 90 - 110 | | | | |
| Lab Sample ID: LCS-R156557 Date Analyzed: 09/10/2021 1220h | | | | | | | | | | | | | |
| Test Code: TDS-W-2540C | | | | | | | | | | | | | |
| Total Dissolved Solids | 200 | mg/L | SM2540C | 8.00 | 10.0 | 205.0 | 0 | 97.6 | 80 - 120 | | | | |



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Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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-R156998 Date Analyzed: 09/22/2021 2051h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.0198 | 0.100 | | | | | | | | |
| Sulfate | < 0.500 | mg/L | E300.0 | 0.0750 | 0.500 | | | | | | | | |
| Lab Sample ID: MB-R156682 Date Analyzed: 09/15/2021 1435h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00541 | 0.0100 | | | | | | | | |
| Lab Sample ID: MB-R156557 Date Analyzed: 09/10/2021 1220h | | | | | | | | | | | | | |
| 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: 2109256

Project: September Ground Water 2021

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: 2109256-001AMS | | | | | | | | | | | | | |
| Date Analyzed: 09/23/2021 039h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 2,450 | mg/L | E300.0 | 9.90 | 50.0 | 2,500 | 49.6 | 95.9 | 90 - 110 | | | | |
| Sulfate | 3,670 | mg/L | E300.0 | 37.5 | 250 | 2,500 | 1240 | 96.9 | 90 - 110 | | | | |
| Lab Sample ID: 2109256-003AMS | | | | | | | | | | | | | |
| Date Analyzed: 09/15/2021 1517h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 36.4 | mg/L | E353.2 | 0.108 | 0.200 | 20.00 | 15.4 | 105 | 90 - 110 | | | | |
| Lab Sample ID: 2109256-002AMS | | | | | | | | | | | | | |
| Date Analyzed: 09/15/2021 1459h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 10.3 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0.71 | 95.8 | 90 - 110 | | | | |



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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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: 2109256-001AMSD Date Analyzed: 09/23/2021 155h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 2,450 | mg/L | E300.0 | 9.90 | 50.0 | 2,500 | 49.6 | 96.0 | 90 - 110 | 2450 | 0.114 | 20 | |
| Sulfate | 3,670 | mg/L | E300.0 | 37.5 | 250 | 2,500 | 1240 | 97.2 | 90 - 110 | 3670 | 0.168 | 20 | |
| Lab Sample ID: 2109256-003AMSD Date Analyzed: 09/15/2021 1518h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 36.4 | mg/L | E353.2 | 0.108 | 0.200 | 20.00 | 15.4 | 105 | 90 - 110 | 36.4 | 0.0689 | 10 | |
| Lab Sample ID: 2109256-002AMSD Date Analyzed: 09/15/2021 1500h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 10.1 | mg/L | E353.2 | 0.0541 | 0.100 | 10.00 | 0.71 | 93.9 | 90 - 110 | 10.3 | 1.90 | 10 | |



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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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 091521A | | | | | | | | | | | | | |
| Date Analyzed: 09/15/2021 629h | | | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | 23.9 | µg/L | SW8260D | 0.785 | 1.00 | 20.00 | 0 | 119 | 66 - 143 | | | | |
| Chloroform | 20.9 | µg/L | SW8260D | 0.360 | 1.00 | 20.00 | 0 | 105 | 74 - 120 | | | | |
| Methylene chloride | 20.5 | µg/L | SW8260D | 0.451 | 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 | 48.4 | µg/L | SW8260D | | | 50.00 | | 96.7 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 50.0 | µg/L | SW8260D | | | 50.00 | | 100 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 50.3 | µg/L | SW8260D | | | 50.00 | | 101 | 81 - 123 | | | | |



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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 091521A | | | | | | | | | | | | | |
| Date Analyzed: 09/15/2021 649h | | | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | < 1.00 | µg/L | SW8260D | 0.785 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260D | 0.360 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260D | 0.451 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 50.5 | µg/L | SW8260D | | | 50.00 | | 101 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 49.1 | µg/L | SW8260D | | | 50.00 | | 98.3 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 47.0 | µg/L | SW8260D | | | 50.00 | | 94.0 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 50.2 | µg/L | SW8260D | | | 50.00 | | 100 | 81 - 123 | | | | |



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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Jennifer Osborn
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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: 2109256-002CMS | | Date Analyzed: 09/15/2021 902h | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | 225 | µg/L | SW8260D | 7.85 | 10.0 | 200.0 | 0 | 113 | 66 - 143 | | | | |
| Chloroform | 725 | µg/L | SW8260D | 3.60 | 10.0 | 200.0 | 516 | 104 | 74 - 120 | | | | |
| Methylene chloride | 192 | µg/L | SW8260D | 4.51 | 10.0 | 200.0 | 0 | 95.9 | 65 - 154 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 505 | µg/L | SW8260D | | | 500.0 | | 101 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 472 | µg/L | SW8260D | | | 500.0 | | 94.3 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 486 | µg/L | SW8260D | | | 500.0 | | 97.2 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 491 | µg/L | SW8260D | | | 500.0 | | 98.2 | 81 - 123 | | | | |

2109256-002CMS: The reporting limits were raised due to high analyte concentrations.



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2109256
Project: September Ground Water 2021

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: 2109256-002CMSD | Date Analyzed: 09/15/2021 922h | | | | | | | | | | | | |
| Test Code: 8260D-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | 257 | µg/L | SW8260D | 7.85 | 10.0 | 200.0 | 0 | 129 | 66 - 143 | 225 | 13.2 | 35 | |
| Chloroform | 775 | µg/L | SW8260D | 3.60 | 10.0 | 200.0 | 516 | 129 | 74 - 120 | 725 | 6.70 | 35 | |
| Methylene chloride | 221 | µg/L | SW8260D | 4.51 | 10.0 | 200.0 | 0 | 110 | 65 - 154 | 192 | 14.0 | 35 | |
| Surr: 1,2-Dichloroethane-d4 | 512 | µg/L | SW8260D | | | 500.0 | | 102 | 80 - 136 | | | | |
| Surr: 4-Bromofluorobenzene | 484 | µg/L | SW8260D | | | 500.0 | | 96.8 | 85 - 121 | | | | |
| Surr: Dibromofluoromethane | 502 | µg/L | SW8260D | | | 500.0 | | 100 | 78 - 132 | | | | |
| Surr: Toluene-d8 | 501 | µg/L | SW8260D | | | 500.0 | | 100 | 81 - 123 | | | | |

¹ - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.
2109256-002CMSD: The reporting limits were raised due to high analyte concentrations.

American West Analytical Laboratories

Rpt Emailed:

UL
Denison

WORK ORDER Summary

Work Order: **2109256**

Page 1 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 9/24/2021

Client ID: ENE300

Contact: Tanner Holliday

Project: September Ground Water 2021

QC Level: III

WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. Email Group. Do not use "*R_" samples as MS/MSD;

DB

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|--------------|------------------|----------------|-----------------|---|---------|--------------|---|
| 2109256-001A | MW-11_09072021 | 9/7/2021 1320h | 9/10/2021 1100h | 300.0-W 2 SEL Analytes: CL SO4 | Aqueous | df - cl/so4 | 1 |
| 2109256-002A | MW-26_09092021 | 9/9/2021 0800h | 9/10/2021 1100h | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | Aqueous | df - no2/no3 | 1 |
| 2109256-002B | | | | 300.0-W 1 SEL Analytes: CL | | df - cl | |
| 2109256-002C | | | | 8260D-W-DEN100 Test Group: 8260D-W-DEN100; # of Analytes: 3 / # of Surr: 4 | | VOCFridge | 3 |
| 2109256-003A | MW-30_09082021 | 9/8/2021 1220h | 9/10/2021 1100h | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | Aqueous | df - no2/no3 | 1 |
| 2109256-003B | | | | 300.0-W 1 SEL Analytes: CL | | df - cl | |
| 2109256-003C | | | | 200.8-DIS 2 SEL Analytes: SE U | | df - dis met | |
| | | | | 200.8-DIS-PR | | df - dis met | |
| 2109256-004A | MW-31_09072021 | 9/7/2021 1420h | 9/10/2021 1100h | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | Aqueous | df - no2/no3 | 1 |
| 2109256-004B | | | | 300.0-W 2 SEL Analytes: CL SO4 | | df - cl/so4 | |
| 2109256-004C | | | | TDS-W-2540C 1 SEL Analytes: TDS | | df - tds | |
| 2109256-004D | | | | 200.8-DIS 1 SEL Analytes: U | | df - dis met | |
| | | | | 200.8-DIS-PR | | df - dis met | |
| 2109256-005A | MW-65_09072021 | 9/7/2021 1420h | 9/10/2021 1100h | NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N | Aqueous | df - no2/no3 | 1 |
| 2109256-005B | | | | 300.0-W 2 SEL Analytes: CL SO4 | | df - cl/so4 | |
| 2109256-005C | | | | TDS-W-2540C 1 SEL Analytes: TDS | | df - tds | |

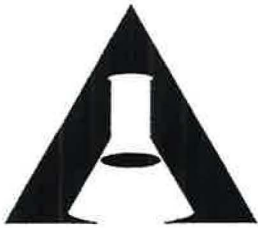
WORK ORDER Summary

Work Order: **2109256** Page 2 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 9/24/2021

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel Storage | |
|--------------|------------------|----------------|-----------------|--|---------|--------------|---|
| 2109256-005D | MW-65_09072021 | 9/7/2021 1420h | 9/10/2021 1100h | 200.8-DIS <i>1 SEL Analytes: U</i> | Aqueous | df - dis met | 1 |
| | | | | 200.8-DIS-PR | | df - dis met | |
| 2109256-006A | Trip Blank | 9/9/2021 0800h | 9/10/2021 1100h | 8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 3 / # of Surr: 4</i> | Aqueous | VOCFridge | 3 |



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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.

2109256

AWAL Lab Sample Set #
 Page 1 of 1

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: **September Ground Water 2021**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

| 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. | | | | | | | | | |
|-----------------|-------------------|--|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|------------------------------|---------------------|--|
| 3 | Standard | | | | | | | | | | |
| | | <input checked="" type="checkbox"/> Include EDD: LOCUS UPLOAD EXCEL <input checked="" type="checkbox"/> Field Filtered For: Dissolved Metals | | | | | | | | | |
| | | For Compliance With: <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other: | | | | | | | | | |
| | | Known Hazards & Sample Comments | | | | | | | | | |
| # of Containers | Sample Matrix | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | CI (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 (4500-F C or 300.0) | SO4 (4500 or 300.0) | VOCs Chloroform, Dichloromethane, Carbon Tetrachloride (8260D) |
| MW-11_09072021 | 1 W | | X | | | | | | | X | |
| MW-26_09092021 | 5 W | X | X | | | | | | | | X |
| MW-30_09082021 | 3 W | X | X | X | | X | X | | | | |
| MW-31_09072021 | 4 W | X | X | X | X | | | | | X | |
| MW-65_09072021 | 4 W | X | X | X | X | | | | | X | |
| Trip Blank | 3 W | | | | | | | | | | X |

Due Date: **9/24/21**

Laboratory Use Only

Samples Were:

- Shipped or hand delivered **UPS**
- Ambient or Chilled
- Temperature **0.2** °C
- Received Broken/Leaking (Improperly Sealed) Y N
- Properly Preserved Y N
Checked at bench Y N
- Received Within Holding Times Y N

Custody Seal

- Present on Outer Package Y N NA
- Unbroken on Outer Package Y N NA
- Present on Sample Y N NA
- 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 |
|----------------|--------------|--------------|-----------------|---------------|
| MW-11_09072021 | 9/7/2021 | 1320 | 1 | W |
| MW-26_09092021 | 9/9/2021 | 800 | 5 | W |
| MW-30_09082021 | 9/8/2021 | 1220 | 3 | W |
| MW-31_09072021 | 9/7/2021 | 1420 | 4 | W |
| MW-65_09072021 | 9/7/2021 | 1420 | 4 | W |
| Trip Blank | 9/9/2021 | 800 | 3 | W |

| | | | |
|---|----------------|---|---------------|
| Relinquished by: Signature <i>Tanner Holliday</i> | Date: 9/9/2021 | Received by: Signature _____ | Date: _____ |
| Print Name: Tanner Holliday | Time: 11:00 | 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 <i>Denise Baum</i> | Date: 9/10/21 |
| Print Name: _____ | Time: _____ | Print Name: <i>Denise Baum</i> | Time: 11:00 |

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: 2109256

pH Lot #: 6700

Preservation Check Sheet

Sample Set Extension and pH

| Analysis | Preservative | -002 | -003 | -004 | -005 | | | | | | | | | | | | | |
|----------------------------------|---|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| COD | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Cyanide | pH >10 NaOH | | | | | | | | | | | | | | | | | |
| Metals | pH <2 HNO ₃ | | yes | yes | yes | | | | | | | | | | | | | |
| NO ₂ /NO ₃ | pH <2 H ₂ SO ₄ | yes | yes | yes | yes | | | | | | | | | | | | | |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Sulfide | pH >9 NaOH, ZnAC | | | | | | | | | | | | | | | | | |
| TKN | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| T PO ₄ | pH <2 H ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| Cr VI+ | pH >9 (NH ₄) ₂ SO ₄ | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |

- 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

G-1A: Quarterly 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-11 | 29.20 | 58.59 | 58.4 | okay | 3253 | 3254 | 0.03 | 7.14 | 7.15 | 0.14 | 15.01 | 14.99 | 0.13 | 495 | 494 | 0.20 | 913.5 | 920.6 | 0.77 | 7.3 | 7.0 | 4.20 |
| MW-12 | 13.58 | 28.21 | 27.16 | okay | 4168 | 4165 | 0.07 | 6.61 | 6.62 | 0.15 | 16.29 | 16.27 | 0.12 | 451 | 449 | 0.44 | 0.0 | 0.0 | 0.00 | 21.7 | 22.0 | 1.37 |
| MW-14 | 17.55 | 36.89 | 35.1 | okay | 3715 | 3710 | 0.13 | 7.08 | 7.06 | 0.28 | 15.18 | 15.20 | 0.13 | 484 | 484 | 0.00 | 0 | 0 | 0.00 | 5.8 | 6.0 | 3.39 |
| MW-24 | 6.39 | 13.00 | 12.78 | Pumped Dry | 4427 | 4431 | 0.09 | 5.90 | 5.85 | 0.85 | 16.95 | 16.84 | 0.65 | NM | NM | NC | NM | NM | NC | NM | NM | NC |
| MW-24A | 7.01 | 14.40 | 14.02 | Pumped Dry | 4412 | 4413 | 0.02 | 5.25 | 5.27 | 0.38 | 15.28 | 15.22 | 0.39 | NM | NM | NC | NM | NM | NC | NM | NM | NC |
| MW-25 | 21.97 | 45.57 | 43.94 | okay | 3162 | 3170 | 0.25 | 6.90 | 6.88 | 0.29 | 15.05 | 15.00 | 0.33 | 497 | 497 | 0.00 | 9.1 | 9.0 | 1.10 | 5.9 | 5.8 | 1.71 |
| MW-26 | NA | Continuously Pumped well | -- | -- | 3344 | | NC | 7.15 | | NC | 18.03 | | NC | 475 | | NC | 0 | | NC | 28.5 | | NC |
| MW-27 | 24.16 | 49.91 | 48.32 | okay | 1159 | 1159 | 0.00 | 7.17 | 7.18 | 0.14 | 15.34 | 15.31 | 0.20 | 470 | 470 | 0.00 | 0 | 0 | 0.00 | 103.3 | 103.2 | 0.10 |
| MW-28 | 23.10 | 46.65 | 46.2 | okay | 4187 | 4196 | 0.21 | 6.54 | 6.53 | 0.15 | 16.36 | 16.32 | 0.24 | 506 | 505 | 0.20 | 0 | 0 | 0.00 | 30.5 | 30.0 | 1.65 |
| MW-29 | 18.14 | 39.06 | 36.28 | okay | 4575 | 4578 | 0.07 | 6.78 | 6.77 | 0.15 | 15.01 | 15.01 | 0.00 | 400 | 394 | 1.51 | 5.3 | 5.4 | 1.87 | 3.1 | 3.1 | 0.00 |
| MW-30 | 22.67 | 45.57 | 45.34 | okay | 2204 | 2207 | 0.14 | 6.97 | 6.98 | 0.14 | 14.97 | 14.98 | 0.07 | 497 | 496 | 0.20 | 0 | 0 | 0.00 | 57.0 | 57.0 | 0.00 |
| MW-31 | 39.60 | 80.29 | 79.2 | okay | 3335 | 3315 | 0.60 | 7.11 | 7.10 | 0.14 | 15.45 | 15.40 | 0.32 | 491 | 491 | 0.00 | 0 | 0 | 0.00 | 118.0 | 118.0 | 0.00 |
| MW-32 | 31.53 | 65.10 | 63.06 | okay | 3721 | 3720 | 0.03 | 6.98 | 6.95 | 0.43 | 15.41 | 15.36 | 0.32 | 257 | 254 | 1.17 | 14.3 | 14.5 | 1.39 | 32.0 | 31.8 | 0.63 |
| MW-36 | 7.27 | 16.27 | 14.54 | okay | 3890 | 3908 | 0.46 | 7.20 | 7.19 | 0.14 | 15.38 | 15.34 | 0.26 | 486 | 486 | 0.00 | 0 | 0 | 0.00 | 81.0 | 80.0 | 1.24 |
| MW-38 | 2.59 | 5.00 | 5.18 | Pumped Dry | 4373 | 4370 | 0.07 | 6.25 | 6.23 | 0.32 | 16.75 | 16.70 | 0.30 | NM | NM | NC | NM | NM | NC | NM | NM | NC |
| MW-39 | 24.63 | 49.91 | 49.26 | okay | 4770 | 4773 | 0.06 | 5.45 | 5.43 | 0.37 | 15.80 | 15.78 | 0.13 | 389 | 392 | 0.77 | 1.1 | 1.1 | 0.00 | 8.1 | 8.1 | 0.00 |
| MW-40 | 26.17 | 53.16 | 52.34 | okay | 3835 | 3837 | 0.05 | 7.09 | 7.08 | 0.14 | 15.18 | 15.13 | 0.33 | 494 | 494 | 0.00 | 0 | 0 | 0.00 | 117.0 | 117.0 | 0.00 |

MW-26, is a continually pumped well.

MW-24, MW-24A, 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

| August | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------------------|--------------------------|------------------|--------------|--------------|------|------|------|------|------|-------------|-------|------|-------|-----|------|-----------|------|------|------------------|-------|------|
| 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-11 | 29.24 | 58.59 | 58.48 | okay | 3116 | 3114 | 0.06 | 7.30 | 7.29 | 0.14 | 15.01 | 15.04 | 0.20 | 326 | 326 | 0.00 | 4.0 | 4.0 | 0.00 | 6.0 | 5.9 | 1.68 |
| MW-26 | NA | Continuously Pumped well | -- | | 3402 | | NC | 6.94 | | NC | 16.37 | | NC | 507 | | NC | 1.0 | | NC | 34.5 | | NC |
| MW-30 | 22.77 | 45.57 | 45.54 | okay | 2209 | 2213 | 0.18 | 6.82 | 6.84 | 0.29 | 15.11 | 15.10 | 0.07 | 532 | 530 | 0.38 | 0 | 0 | 0.00 | 55.0 | 55.0 | 0.00 |
| MW-31 | 39.66 | 80.29 | 79.32 | okay | 3250 | 3260 | 0.31 | 7.13 | 7.13 | 0.00 | 15.43 | 15.45 | 0.13 | 504 | 504 | 0.00 | 13.0 | 13.0 | 0.00 | 116.0 | 116.0 | 0.00 |
| September | | | | | | | | | | | | | | | | | | | | | | |
| MW-11 | 29.20 | 58.59 | 58.4 | okay | 3129 | 3123 | 0.19 | 6.95 | 7.00 | 0.72 | 15.10 | 15.08 | 0.13 | 476 | 474 | 0.42 | 92.0 | 94.0 | 2.15 | 7.6 | 7.6 | 0.00 |
| MW-26 | NA | Continuously Pumped well | -- | | 3487 | | NC | 6.54 | | NC | 15.95 | | NC | 488 | | NC | 0 | | NC | 27.0 | | NC |
| MW-30 | 22.71 | 45.57 | 45.42 | okay | 2243 | 2240 | 0.13 | 6.67 | 6.70 | 0.45 | 15.00 | 15.00 | 0.00 | 466 | 465 | 0.21 | 0 | 0 | 0.00 | 55.3 | 55.5 | 0.36 |
| MW-31 | 39.56 | 80.29 | 79.12 | okay | 3399 | 3399 | 0.00 | 6.61 | 6.62 | 0.15 | 15.13 | 15.13 | 0.00 | 460 | 459 | 0.22 | 4.8 | 4.8 | 0.00 | 114.0 | 114.0 | 0.00 |

MW-26 is a continually 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 | Acetone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Benzene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Carbon tetrachloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Chloroform | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Chloromethane | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Methyl ethyl ketone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Methylene chloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Naphthalene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Tetrahydrofuran | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Toluene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| Trip Blank | Xylenes, Total | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Acetone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Arsenic | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Benzene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Beryllium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Bicarbonate as CaCO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-11 | Cadmium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Calcium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-11 | Carbon tetrachloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Carbonate as CO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-11 | Chloride | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-11 | Chloroform | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Chloromethane | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Chromium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Cobalt | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Copper | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Fluoride | 7/27/2021 | 8/11/2021 | 15 | 28 | OK |
| MW-11 | Gross Radium Alpha | 7/27/2021 | 8/23/2021 | 27 | 180 | OK |
| MW-11 | Iron | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Lead | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Magnesium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-11 | Manganese | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Mercury | 7/27/2021 | 8/3/2021 | 7 | 180 | OK |
| MW-11 | Methyl ethyl ketone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Methylene chloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Molybdenum | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Naphthalene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Nickel | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Nitrate + Nitrite as N | 7/27/2021 | 8/2/2021 | 6 | 28 | OK |
| MW-11 | Nitrogen, Ammonia as N | 7/27/2021 | 8/4/2021 | 8 | 28 | OK |
| MW-11 | Potassium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-11 | Selenium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Silver | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-11 | Sodium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-11 | Sulfate | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-11 | Tetrahydrofuran | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Thallium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Tin | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Toluene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-11 | Total Dissolved Solids | 7/27/2021 | 7/30/2021 | 3 | 7 | OK |
| MW-11 | Uranium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-11 | Vanadium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-11 | Xylenes, Total | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-11 | Zinc | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-12 | Selenium | 7/21/2021 | 8/2/2021 | 12 | 180 | OK |
| MW-12 | Uranium | 7/21/2021 | 8/2/2021 | 12 | 180 | OK |
| MW-14 | Acetone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Arsenic | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Benzene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Beryllium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Bicarbonate as CaCO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-14 | Cadmium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Calcium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-14 | Carbon tetrachloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Carbonate as CO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-14 | Chloride | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-14 | Chloroform | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Chloromethane | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Chromium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Cobalt | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Copper | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Fluoride | 7/27/2021 | 8/11/2021 | 15 | 28 | OK |
| MW-14 | Gross Radium Alpha | 7/27/2021 | 8/23/2021 | 27 | 180 | OK |
| MW-14 | Iron | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Lead | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Magnesium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-14 | Manganese | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Mercury | 7/27/2021 | 8/3/2021 | 7 | 180 | OK |
| MW-14 | Methyl ethyl ketone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Methylene chloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Molybdenum | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Naphthalene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Nickel | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Nitrate + Nitrite as N | 7/27/2021 | 8/2/2021 | 6 | 28 | OK |
| MW-14 | Nitrogen, Ammonia as N | 7/27/2021 | 8/4/2021 | 8 | 28 | OK |
| MW-14 | Potassium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-14 | Selenium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Silver | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-14 | Sodium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-14 | Sulfate | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-14 | Tetrahydrofuran | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Thallium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Tin | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Toluene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Total Dissolved Solids | 7/27/2021 | 7/30/2021 | 3 | 7 | OK |
| MW-14 | Uranium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-14 | Vanadium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-14 | Xylenes, Total | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-14 | Zinc | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-24 | Acetone | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Arsenic | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Benzene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Beryllium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Bicarbonate as CaCO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-24 | Cadmium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Calcium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-24 | Carbon tetrachloride | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Carbonate as CO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-24 | Chloride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-24 | Chloroform | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Chloromethane | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Chromium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Cobalt | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Copper | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Fluoride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-24 | Gross Radium Alpha | 7/29/2021 | 8/23/2021 | 25 | 180 | OK |
| MW-24 | Iron | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Lead | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Magnesium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-24 | Manganese | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Mercury | 7/29/2021 | 8/3/2021 | 5 | 180 | OK |
| MW-24 | Methyl ethyl ketone | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Methylene chloride | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Molybdenum | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Naphthalene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Nickel | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Nitrate + Nitrite as N | 7/29/2021 | 8/6/2021 | 8 | 28 | OK |
| MW-24 | Nitrogen, Ammonia as N | 7/29/2021 | 8/4/2021 | 6 | 28 | OK |
| MW-24 | Potassium | 7/29/2021 | 8/12/2021 | 14 | 180 | OK |
| MW-24 | Selenium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Silver | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-24 | Sodium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-24 | Sulfate | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-24 | Tetrahydrofuran | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Thallium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Tin | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Toluene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Total Dissolved Solids | 7/29/2021 | 7/30/2021 | 1 | 7 | OK |
| MW-24 | Uranium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24 | Vanadium | 7/29/2021 | 8/11/2021 | 13 | 180 | OK |
| MW-24 | Xylenes, Total | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24 | Zinc | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Acetone | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Arsenic | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-24A | Benzene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Beryllium | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-24A | Bicarbonate as CaCO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-24A | Cadmium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Calcium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-24A | Carbon tetrachloride | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Carbonate as CO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-24A | Chloride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-24A | Chloroform | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Chloromethane | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Chromium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Cobalt | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Copper | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Fluoride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-24A | Gross Radium Alpha | 7/29/2021 | 8/23/2021 | 25 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-24A | Iron | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Lead | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Magnesium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-24A | Manganese | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Mercury | 7/29/2021 | 8/3/2021 | 5 | 180 | OK |
| MW-24A | Methyl ethyl ketone | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Methylene chloride | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Molybdenum | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Naphthalene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Nickel | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Nitrate + Nitrite as N | 7/29/2021 | 8/6/2021 | 8 | 28 | OK |
| MW-24A | Nitrogen, Ammonia as N | 7/29/2021 | 8/4/2021 | 6 | 28 | OK |
| MW-24A | Potassium | 7/29/2021 | 8/12/2021 | 14 | 180 | OK |
| MW-24A | Selenium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Silver | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-24A | Sodium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-24A | Sulfate | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-24A | Tetrahydrofuran | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Thallium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Tin | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Toluene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Total Dissolved Solids | 7/29/2021 | 7/30/2021 | 1 | 7 | OK |
| MW-24A | Uranium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-24A | Vanadium | 7/29/2021 | 8/11/2021 | 13 | 180 | OK |
| MW-24A | Xylenes, Total | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-24A | Zinc | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-25 | Acetone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Arsenic | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Benzene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Beryllium | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Bicarbonate as CaCO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-25 | Cadmium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Calcium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-25 | Carbon tetrachloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Carbonate as CO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-25 | Chloride | 7/28/2021 | 8/10/2021 | 13 | 28 | OK |
| MW-25 | Chloroform | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Chloromethane | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Chromium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Cobalt | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Copper | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Fluoride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-25 | Gross Radium Alpha | 7/28/2021 | 8/23/2021 | 26 | 180 | OK |
| MW-25 | Iron | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Lead | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Magnesium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-25 | Manganese | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Mercury | 7/28/2021 | 8/3/2021 | 6 | 180 | OK |
| MW-25 | Methyl ethyl ketone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Methylene chloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Molybdenum | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Naphthalene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Nickel | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-25 | Nitrate + Nitrite as N | 7/28/2021 | 8/2/2021 | 5 | 28 | OK |
| MW-25 | Nitrogen, Ammonia as N | 7/28/2021 | 8/4/2021 | 7 | 28 | OK |
| MW-25 | Potassium | 7/28/2021 | 8/12/2021 | 15 | 180 | OK |
| MW-25 | Selenium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Silver | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Sodium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-25 | Sulfate | 7/28/2021 | 8/10/2021 | 13 | 28 | OK |
| MW-25 | Tetrahydrofuran | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Thallium | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Tin | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-25 | Toluene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Total Dissolved Solids | 7/28/2021 | 7/30/2021 | 2 | 7 | OK |
| MW-25 | Uranium | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-25 | Vanadium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-25 | Xylenes, Total | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-25 | Zinc | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Acetone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Arsenic | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Benzene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Beryllium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Bicarbonate as CaCO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-26 | Cadmium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Calcium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-26 | Carbon tetrachloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Carbonate as CO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-26 | Chloride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-26 | Chloroform | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-26 | Chloromethane | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Chromium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Cobalt | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Copper | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Fluoride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-26 | Gross Radium Alpha | 7/28/2021 | 8/23/2021 | 26 | 180 | OK |
| MW-26 | Iron | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Lead | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Magnesium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-26 | Manganese | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Mercury | 7/28/2021 | 8/3/2021 | 6 | 180 | OK |
| MW-26 | Methyl ethyl ketone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Methylene chloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Molybdenum | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Naphthalene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Nickel | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Nitrate + Nitrite as N | 7/28/2021 | 8/2/2021 | 5 | 28 | OK |
| MW-26 | Nitrogen, Ammonia as N | 7/28/2021 | 8/4/2021 | 7 | 28 | OK |
| MW-26 | Potassium | 7/28/2021 | 8/12/2021 | 15 | 180 | OK |
| MW-26 | Selenium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Silver | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-26 | Sodium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-26 | Sulfate | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-26 | Tetrahydrofuran | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Thallium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Tin | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-26 | Toluene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Total Dissolved Solids | 7/28/2021 | 7/30/2021 | 2 | 7 | OK |
| MW-26 | Uranium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-26 | Vanadium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-26 | Xylenes, Total | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-26 | Zinc | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-27 | Nitrate + Nitrite as N | 7/22/2021 | 8/2/2021 | 11 | 28 | OK |
| MW-28 | Chloride | 7/23/2021 | 8/3/2021 | 11 | 28 | OK |
| MW-28 | Nitrate + Nitrite as N | 7/23/2021 | 8/2/2021 | 10 | 28 | OK |
| MW-28 | Selenium | 7/23/2021 | 8/2/2021 | 10 | 180 | OK |
| MW-28 | Uranium | 7/23/2021 | 8/2/2021 | 10 | 180 | OK |
| MW-29 | Uranium | 7/22/2021 | 8/2/2021 | 11 | 180 | OK |
| MW-30 | Acetone | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Arsenic | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-30 | Benzene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Beryllium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Bicarbonate as CaCO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-30 | Cadmium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Calcium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-30 | Carbon tetrachloride | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Carbonate as CO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-30 | Chloride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-30 | Chloroform | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Chloromethane | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Chromium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Cobalt | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Copper | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Fluoride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-30 | Gross Radium Alpha | 7/29/2021 | 8/23/2021 | 25 | 180 | OK |
| MW-30 | Iron | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Lead | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Magnesium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-30 | Manganese | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Mercury | 7/29/2021 | 8/3/2021 | 5 | 180 | OK |
| MW-30 | Methyl ethyl ketone | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Methylene chloride | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Molybdenum | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Naphthalene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Nickel | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Nitrate + Nitrite as N | 7/29/2021 | 8/2/2021 | 4 | 28 | OK |
| MW-30 | Nitrogen, Ammonia as N | 7/29/2021 | 8/4/2021 | 6 | 28 | OK |
| MW-30 | Potassium | 7/29/2021 | 8/12/2021 | 14 | 180 | OK |
| MW-30 | Selenium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Silver | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-30 | Sodium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-30 | Sulfate | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-30 | Tetrahydrofuran | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Thallium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Tin | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Toluene | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Total Dissolved Solids | 7/29/2021 | 7/30/2021 | 1 | 7 | OK |
| MW-30 | Uranium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-30 | Vanadium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-30 | Xylenes, Total | 7/29/2021 | 7/30/2021 | 1 | 14 | OK |
| MW-30 | Zinc | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-31 | Acetone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Arsenic | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Benzene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Beryllium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Bicarbonate as CaCO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-31 | Cadmium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Calcium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-31 | Carbon tetrachloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Carbonate as CO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-31 | Chloride | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-31 | Chloroform | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Chloromethane | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Chromium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Cobalt | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Copper | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Fluoride | 7/27/2021 | 8/11/2021 | 15 | 28 | OK |
| MW-31 | Gross Radium Alpha | 7/27/2021 | 8/23/2021 | 27 | 180 | OK |
| MW-31 | Iron | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Lead | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Magnesium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-31 | Manganese | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Mercury | 7/27/2021 | 8/3/2021 | 7 | 180 | OK |
| MW-31 | Methyl ethyl ketone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Methylene chloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Molybdenum | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Naphthalene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Nickel | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Nitrate + Nitrite as N | 7/27/2021 | 8/2/2021 | 6 | 28 | OK |
| MW-31 | Nitrogen, Ammonia as N | 7/27/2021 | 8/4/2021 | 8 | 28 | OK |
| MW-31 | Potassium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-31 | Selenium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Silver | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-31 | Sodium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-31 | Sulfate | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-31 | Tetrahydrofuran | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Thallium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Tin | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Toluene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Total Dissolved Solids | 7/27/2021 | 7/30/2021 | 3 | 7 | OK |
| MW-31 | Uranium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-31 | Vanadium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-31 | Xylenes, Total | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-31 | Zinc | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-32 | Chloride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-36 | Acetone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Arsenic | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Benzene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Beryllium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Bicarbonate as CaCO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-36 | Cadmium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Calcium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-36 | Carbon tetrachloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Carbonate as CO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-36 | Chloride | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-36 | Chloroform | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Chloromethane | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Chromium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Cobalt | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Copper | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Fluoride | 7/27/2021 | 8/11/2021 | 15 | 28 | OK |
| MW-36 | Gross Radium Alpha | 7/27/2021 | 8/23/2021 | 27 | 180 | OK |
| MW-36 | Iron | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Lead | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Magnesium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-36 | Manganese | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Mercury | 7/27/2021 | 8/3/2021 | 7 | 180 | OK |
| MW-36 | Methyl ethyl ketone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Methylene chloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Molybdenum | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Naphthalene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Nickel | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Nitrate + Nitrite as N | 7/27/2021 | 8/2/2021 | 6 | 28 | OK |
| MW-36 | Nitrogen, Ammonia as N | 7/27/2021 | 8/4/2021 | 8 | 28 | OK |
| MW-36 | Potassium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-36 | Selenium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Silver | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-36 | Sodium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-36 | Sulfate | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-36 | Tetrahydrofuran | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Thallium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Tin | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Toluene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Total Dissolved Solids | 7/27/2021 | 7/30/2021 | 3 | 7 | OK |
| MW-36 | Uranium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-36 | Vanadium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-36 | Xylenes, Total | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-36 | Zinc | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-38 | Acetone | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Arsenic | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Benzene | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Beryllium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Bicarbonate as CaCO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Cadmium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Calcium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-38 | Carbon tetrachloride | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Carbonate as CO3 | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Chloride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-38 | Chloroform | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Chloromethane | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Chromium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Cobalt | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Copper | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Fluoride | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-38 | Gross Radium Alpha | 7/29/2021 | 8/23/2021 | 25 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-38 | Iron | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Lead | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Magnesium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-38 | Manganese | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Mercury | 7/29/2021 | 8/3/2021 | 5 | 180 | OK |
| MW-38 | Methyl ethyl ketone | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Methylene chloride | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Molybdenum | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Naphthalene | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Nickel | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Nitrate + Nitrite as N | 7/29/2021 | 8/6/2021 | 8 | 28 | OK |
| MW-38 | Nitrogen, Ammonia as N | 7/29/2021 | 8/4/2021 | 6 | 28 | OK |
| MW-38 | Potassium | 7/29/2021 | 8/12/2021 | 14 | 180 | OK |
| MW-38 | Selenium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Silver | 7/29/2021 | 8/16/2021 | 18 | 180 | OK |
| MW-38 | Sodium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-38 | Sulfate | 7/29/2021 | 8/11/2021 | 13 | 28 | OK |
| MW-38 | Tetrahydrofuran | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Thallium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Tin | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Toluene | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Total Dissolved Solids | 7/29/2021 | 7/30/2021 | 1 | 7 | OK |
| MW-38 | Uranium | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-38 | Vanadium | 7/29/2021 | 8/10/2021 | 12 | 180 | OK |
| MW-38 | Xylenes, Total | 7/29/2021 | 8/2/2021 | 4 | 14 | OK |
| MW-38 | Zinc | 7/29/2021 | 8/13/2021 | 15 | 180 | OK |
| MW-39 | Acetone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Arsenic | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-39 | Benzene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Beryllium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Bicarbonate as CaCO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-39 | Cadmium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Calcium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-39 | Carbon tetrachloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Carbonate as CO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-39 | Chloride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-39 | Chloroform | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Chloromethane | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Chromium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Cobalt | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Copper | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Fluoride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-39 | Gross Radium Alpha | 7/28/2021 | 8/23/2021 | 26 | 180 | OK |
| MW-39 | Iron | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Lead | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Magnesium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-39 | Manganese | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Mercury | 7/28/2021 | 8/3/2021 | 6 | 180 | OK |
| MW-39 | Methyl ethyl ketone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Methylene chloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Molybdenum | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Naphthalene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Nickel | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-39 | Nitrate + Nitrite as N | 7/28/2021 | 8/2/2021 | 5 | 28 | OK |
| MW-39 | Nitrogen, Ammonia as N | 7/28/2021 | 8/4/2021 | 7 | 28 | OK |
| MW-39 | Potassium | 7/28/2021 | 8/12/2021 | 15 | 180 | OK |
| MW-39 | Selenium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Silver | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-39 | Sodium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-39 | Sulfate | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-39 | Tetrahydrofuran | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Thallium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Tin | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Toluene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Total Dissolved Solids | 7/28/2021 | 7/30/2021 | 2 | 7 | OK |
| MW-39 | Uranium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-39 | Vanadium | 7/28/2021 | 8/11/2021 | 14 | 180 | OK |
| MW-39 | Xylenes, Total | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-39 | Zinc | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Acetone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Arsenic | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Benzene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Beryllium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Bicarbonate as CaCO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-40 | Cadmium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Calcium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-40 | Carbon tetrachloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Carbonate as CO3 | 7/28/2021 | 8/2/2021 | 5 | 14 | OK |
| MW-40 | Chloride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-40 | Chloroform | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Chloromethane | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Chromium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Cobalt | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Copper | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Fluoride | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-40 | Gross Radium Alpha | 7/28/2021 | 8/23/2021 | 26 | 180 | OK |
| MW-40 | Iron | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Lead | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Magnesium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-40 | Manganese | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Mercury | 7/28/2021 | 8/3/2021 | 6 | 180 | OK |
| MW-40 | Methyl ethyl ketone | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Methylene chloride | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Molybdenum | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Naphthalene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Nickel | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Nitrate + Nitrite as N | 7/28/2021 | 8/2/2021 | 5 | 28 | OK |
| MW-40 | Nitrogen, Ammonia as N | 7/28/2021 | 8/4/2021 | 7 | 28 | OK |
| MW-40 | Potassium | 7/28/2021 | 8/12/2021 | 15 | 180 | OK |
| MW-40 | Selenium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Silver | 7/28/2021 | 8/16/2021 | 19 | 180 | OK |
| MW-40 | Sodium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-40 | Sulfate | 7/28/2021 | 8/11/2021 | 14 | 28 | OK |
| MW-40 | Tetrahydrofuran | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Thallium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Tin | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |

G-2A: Quarterly Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-40 | Toluene | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Total Dissolved Solids | 7/28/2021 | 7/30/2021 | 2 | 7 | OK |
| MW-40 | Uranium | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-40 | Vanadium | 7/28/2021 | 8/10/2021 | 13 | 180 | OK |
| MW-40 | Xylenes, Total | 7/28/2021 | 7/30/2021 | 2 | 14 | OK |
| MW-40 | Zinc | 7/28/2021 | 8/13/2021 | 16 | 180 | OK |
| MW-65 | Acetone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Arsenic | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Benzene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Beryllium | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Bicarbonate as CaCO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-65 | Cadmium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Calcium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-65 | Carbon tetrachloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Carbonate as CO3 | 7/27/2021 | 8/2/2021 | 6 | 14 | OK |
| MW-65 | Chloride | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-65 | Chloroform | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Chloromethane | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Chromium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Cobalt | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Copper | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Fluoride | 7/27/2021 | 8/11/2021 | 15 | 28 | OK |
| MW-65 | Gross Radium Alpha | 7/27/2021 | 8/23/2021 | 27 | 180 | OK |
| MW-65 | Iron | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Lead | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Magnesium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-65 | Manganese | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Mercury | 7/27/2021 | 8/3/2021 | 7 | 180 | OK |
| MW-65 | Methyl ethyl ketone | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Methylene chloride | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Molybdenum | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Naphthalene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Nickel | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Nitrate + Nitrite as N | 7/27/2021 | 8/2/2021 | 6 | 28 | OK |
| MW-65 | Nitrogen, Ammonia as N | 7/27/2021 | 8/4/2021 | 8 | 28 | OK |
| MW-65 | Potassium | 7/27/2021 | 8/12/2021 | 16 | 180 | OK |
| MW-65 | Selenium | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Silver | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Sodium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-65 | Sulfate | 7/27/2021 | 8/10/2021 | 14 | 28 | OK |
| MW-65 | Tetrahydrofuran | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Thallium | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Tin | 7/27/2021 | 8/13/2021 | 17 | 180 | OK |
| MW-65 | Toluene | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Total Dissolved Solids | 7/27/2021 | 7/30/2021 | 3 | 7 | OK |
| MW-65 | Uranium | 7/27/2021 | 8/16/2021 | 20 | 180 | OK |
| MW-65 | Vanadium | 7/27/2021 | 8/10/2021 | 14 | 180 | OK |
| MW-65 | Xylenes, Total | 7/27/2021 | 7/30/2021 | 3 | 14 | OK |
| MW-65 | Zinc | 7/27/2021 | 8/13/2021 | 17 | 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 | Carbon tetrachloride | 8/10/2021 | 8/16/2021 | 6 | 14 | OK |
| Trip Blank | Chloroform | 8/10/2021 | 8/16/2021 | 6 | 14 | OK |
| Trip Blank | Methylene chloride | 8/10/2021 | 8/16/2021 | 6 | 14 | OK |
| Trip Blank | Carbon tetrachloride | 9/9/2021 | 9/15/2021 | 6 | 14 | OK |
| Trip Blank | Chloroform | 9/9/2021 | 9/15/2021 | 6 | 14 | OK |
| Trip Blank | Methylene chloride | 9/9/2021 | 9/15/2021 | 6 | 14 | OK |
| MW-11 | Sulfate | 8/10/2021 | 8/18/2021 | 8 | 28 | OK |
| MW-11 | Chloride | 8/10/2021 | 8/18/2021 | 8 | 28 | OK |
| MW-11 | Sulfate | 9/7/2021 | 9/23/2021 | 16 | 28 | OK |
| MW-11 | Chloride | 9/7/2021 | 9/23/2021 | 16 | 28 | OK |
| MW-26 | Chloride | 8/10/2021 | 8/18/2021 | 8 | 28 | OK |
| MW-26 | Carbon tetrachloride | 8/10/2021 | 8/16/2021 | 6 | 14 | OK |
| MW-26 | Chloroform | 8/10/2021 | 8/16/2021 | 6 | 14 | OK |
| MW-26 | Methylene chloride | 8/10/2021 | 8/16/2021 | 6 | 14 | OK |
| MW-26 | Nitrate + Nitrite as N | 8/10/2021 | 8/16/2021 | 6 | 28 | OK |
| MW-26 | Chloride | 9/9/2021 | 9/23/2021 | 14 | 28 | OK |
| MW-26 | Carbon tetrachloride | 9/9/2021 | 9/15/2021 | 6 | 14 | OK |
| MW-26 | Chloroform | 9/9/2021 | 9/15/2021 | 6 | 14 | OK |
| MW-26 | Methylene chloride | 9/9/2021 | 9/15/2021 | 6 | 14 | OK |
| MW-26 | Nitrate + Nitrite as N | 9/9/2021 | 9/15/2021 | 6 | 28 | OK |
| MW-30 | Chloride | 8/9/2021 | 8/18/2021 | 9 | 28 | OK |
| MW-30 | Uranium | 8/9/2021 | 8/26/2021 | 17 | 180 | OK |
| MW-30 | Selenium | 8/9/2021 | 8/26/2021 | 17 | 180 | OK |
| MW-30 | Nitrate + Nitrite as N | 8/9/2021 | 8/16/2021 | 7 | 28 | OK |
| MW-30 | Chloride | 9/8/2021 | 9/23/2021 | 15 | 28 | OK |
| MW-30 | Uranium | 9/8/2021 | 9/18/2021 | 10 | 180 | OK |
| MW-30 | Selenium | 9/8/2021 | 9/18/2021 | 10 | 180 | OK |
| MW-30 | Nitrate + Nitrite as N | 9/8/2021 | 9/15/2021 | 7 | 28 | OK |
| MW-31 | Sulfate | 8/9/2021 | 8/18/2021 | 9 | 28 | OK |
| MW-31 | Chloride | 8/9/2021 | 8/18/2021 | 9 | 28 | OK |
| MW-31 | Uranium | 8/9/2021 | 8/26/2021 | 17 | 180 | OK |
| MW-31 | Nitrate + Nitrite as N | 8/9/2021 | 8/16/2021 | 7 | 28 | OK |
| MW-31 | Total Dissolved Solids | 8/9/2021 | 8/13/2021 | 4 | 7 | OK |
| MW-31 | Sulfate | 9/7/2021 | 9/23/2021 | 16 | 28 | OK |
| MW-31 | Chloride | 9/7/2021 | 9/23/2021 | 16 | 28 | OK |
| MW-31 | Uranium | 9/7/2021 | 9/18/2021 | 11 | 180 | OK |
| MW-31 | Nitrate + Nitrite as N | 9/7/2021 | 9/15/2021 | 8 | 28 | OK |
| MW-31 | Total Dissolved Solids | 9/7/2021 | 9/10/2021 | 3 | 7 | OK |
| MW-65 | Chloride | 8/9/2021 | 8/18/2021 | 9 | 28 | OK |
| MW-65 | Uranium | 8/9/2021 | 8/26/2021 | 17 | 180 | OK |
| MW-65 | Selenium | 8/9/2021 | 8/26/2021 | 17 | 180 | OK |
| MW-65 | Nitrate + Nitrite as N | 8/9/2021 | 8/16/2021 | 7 | 28 | OK |
| MW-65 | Sulfate | 9/7/2021 | 9/23/2021 | 16 | 28 | OK |
| MW-65 | Chloride | 9/7/2021 | 9/23/2021 | 16 | 28 | OK |
| MW-65 | Uranium | 9/7/2021 | 9/18/2021 | 11 | 180 | OK |
| MW-65 | Nitrate + Nitrite as N | 9/7/2021 | 9/15/2021 | 8 | 28 | OK |
| MW-65 | Total Dissolved Solids | 9/7/2021 | 9/10/2021 | 3 | 7 | OK |

G-3A: Quarterly Sample Laboratory Receipt Temperature Check

| Sample Batch | Wells in Batch | Temperature |
|--------------|---|-------------|
| GEL 551444 | MW-11, MW-14, MW-24, MW-24A, MW-25, MW-26, MW-30, MW-31, MW-36, MW-38, MW-39, MW-40, MW-65 | NA |
| AWAL 2107637 | MW-12 | NA |
| AWAL 2107668 | MW-27, MW-28, MW-29 | 1.8 °C |
| AWAL 2107791 | MW-11, MW-14, MW-24, MW-24A, MW-25, MW-26, MW-30, MW-31, MW-32, MW-36, MW-38, MW-39, MW-40, MW-65, Trip Blank | 2.9 °C |

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 or metals analyses do not have a sample temperature requirement.

G-3B: Accelerated Sample Laboratory Receipt Temperature Check

| Sample Batch | Wells in Batch | Temperature |
|---------------------------|--|-------------|
| AWAL 2108362- August | MW-11, 5, MW-26, MW-30, MW-31, MW-65, Trip Blank | 0.2 °C |
| AWAL 21092564 - September | MW-11, MW-26, MW-30, MW-31, MW-65, Trip Blank | 0.2 °C |

G-4A: Quarterly Sample 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 | SM4500-Cl-E and 300.0 |
| Fluoride | A4500-F C or E300.0 | E300.0 |
| Sulfate | A4500-SO4 E or E300.0 | E300.0 |
| TDS | A2540 C | A2540 C |
| Carbonate as CO ₃ , Bicarbonate as HCO ₃ | A2320 B | A2320 B |
| Mercury | E245.1 or E200.7 or E200.8 | E245.1 |
| Calcium, Magnesium, Potassium, Sodium | E200.7 | E200.7 |

G-4B: Accelerated Sample Analytical Method Check

| Parameter | QAP Method | Method Used by Lab |
|--------------------------|------------------------------------|---------------------------|
| 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 |

G-5A Quarterly Sample Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|------------|------------------------|---------------------|-------|-----------|-----------------|--------------------------|----------|
| 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 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | 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-11 | Acetone | 20 | ug/L | U | 1 | 20 | 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 | 20 | 0.5 | OK |
| MW-11 | Calcium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-11 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-11 | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-11 | Chloride | 5 | mg/L | | 50 | 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 | 20 | 25 | OK |
| MW-11 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-11 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-11 | Fluoride | 0.2 | mg/L | | 2 | 0.1 | OK |
| MW-11 | Gross Radium Alpha | 0.556 | 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 | 0.1 | mg/L | | 1 | 0.5 | OK |
| MW-11 | Manganese | 10 | ug/L | | 20 | 10 | OK |
| MW-11 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-11 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-11 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-11 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-11 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-11 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-11 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-11 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-11 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-11 | Selenium | 5 | ug/L | U | 20 | 5 | OK |
| MW-11 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-11 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-11 | Sulfate | 25 | mg/L | | 50 | 1 | OK |
| MW-11 | Tetrahydrofuran | 1 | ug/L | | 1 | 1 | OK |
| MW-11 | Thallium | 0.5 | ug/L | U | 5 | 0.5 | OK |
| MW-11 | Tin | 100 | ug/L | U | 20 | 100 | OK |
| MW-11 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-11 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-11 | Uranium | 0.5 | ug/L | | 5 | 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 | 20 | 10 | OK |

G-5A Quarterly Sample Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|----------|------------------------|---------------------|-------|-----------|-----------------|--------------------------|----------|
| MW-12 | Selenium | 5 | ug/L | | 20 | 5 | OK |
| MW-12 | Uranium | 0.3 | ug/L | | 2 | 0.3 | OK |
| MW-14 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-14 | Arsenic | 5 | ug/L | U | 20 | 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 | | 20 | 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 CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-14 | Chloride | 10 | mg/L | | 100 | 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 | 20 | 25 | OK |
| MW-14 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-14 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-14 | Fluoride | 0.1 | mg/L | | 1 | 0.1 | OK |
| MW-14 | Gross Radium Alpha | 0.935 | pCi/L | U | 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 | 1 | mg/L | | 10 | 0.5 | OK |
| MW-14 | Manganese | 10 | ug/L | | 20 | 10 | OK |
| MW-14 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-14 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-14 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-14 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-14 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-14 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-14 | Nitrate + Nitrite as N | 0.1 | mg/L | U | 10 | 0.1 | OK |
| MW-14 | Nitrogen, Ammonia as N | 0.05 | mg/L | U | 1 | 0.05 | OK |
| MW-14 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-14 | Selenium | 5 | ug/L | U | 20 | 5 | OK |
| MW-14 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-14 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-14 | Sulfate | 50 | mg/L | | 100 | 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 | 20 | 100 | OK |
| MW-14 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-14 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-14 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| 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 | | 20 | 10 | OK |
| MW-24 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-24 | Arsenic | 5 | ug/L | U | 5 | 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 | U | 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 CO3 | 1 | mg/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 | Chloride | 20 | mg/L | | 200 | 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 | 0.5 | mg/L | | 5 | 0.1 | OK |
| MW-24 | Gross Radium Alpha | 0.594 | pCi/L | | 1 | 1 | OK |
| MW-24 | Iron | 30 | ug/L | U | 5 | 30 | OK |
| MW-24 | Lead | 1 | ug/L | | 5 | 1 | OK |
| MW-24 | Magnesium | 1 | 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 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | 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 |
| MW-24 | Nickel | 20 | ug/L | | 20 | 20 | OK |
| MW-24 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-24 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-24 | Potassium | 2 | mg/L | | 2 | 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 | 100 | 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 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-24 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-24 | Vanadium | 15 | ug/L | U | 2 | 15 | OK |
| MW-24 | Xylenes, Total | 1 | ug/L | U | 1 | 1 | OK |
| MW-24 | Zinc | 10 | ug/L | | 20 | 10 | OK |
| MW-24A | Acetone | 20 | ug/L | U | 1 | 20 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-24A | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-24A | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-24A | Chloride | 20 | mg/L | | 200 | 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 | 0.5 | mg/L | | 5 | 0.1 | OK |
| MW-24A | Gross Radium Alpha | 0.751 | 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 | 1 | 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-24A | Manganese | 10 | ug/L | | 100 | 10 | OK |
| MW-24A | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-24A | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | 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 | | 10 | 0.1 | OK |
| MW-24A | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-24A | Potassium | 2 | mg/L | | 2 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-24A | Sulfate | 100 | mg/L | | 200 | 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 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-24A | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-24A | Vanadium | 15 | ug/L | U | 2 | 15 | OK |
| MW-24A | Xylenes, Total | 1 | ug/L | U | 1 | 1 | OK |
| MW-24A | Zinc | 10 | ug/L | | 20 | 10 | OK |
| MW-25 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-25 | Arsenic | 5 | ug/L | U | 20 | 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 | | 20 | 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 CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-25 | Chloride | 10 | mg/L | | 100 | 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 | 20 | 25 | OK |
| MW-25 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-25 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-25 | Fluoride | 0.2 | mg/L | | 2 | 0.1 | OK |
| MW-25 | Gross Radium Alpha | 0.526 | 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 | 1 | mg/L | | 10 | 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 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-25 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-25 | Molybdenum | 10 | ug/L | | 20 | 10 | OK |
| MW-25 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-25 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-25 | Nitrate + Nitrite as N | 0.1 | mg/L | U | 10 | 0.1 | OK |
| MW-25 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-25 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-25 | Selenium | 5 | ug/L | U | 20 | 5 | OK |

G-5A Quarterly Sample Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|----------|------------------------|---------------------|-------|-----------|-----------------|--------------------------|----------|
| MW-25 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-25 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-25 | Sulfate | 50 | mg/L | | 100 | 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 | 20 | 100 | OK |
| MW-25 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-25 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-25 | Uranium | 0.5 | ug/L | | 5 | 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 | 20 | 10 | OK |
| MW-26 | Acetone | 20 | ug/L | U | 1 | 20 | 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 | | 20 | 0.5 | OK |
| MW-26 | Calcium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-26 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-26 | Chloride | 10 | mg/L | | 100 | 1 | OK |
| MW-26 | Chloroform | 10 | ug/L | | 10 | 1 | OK |
| MW-26 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Chromium | 25 | ug/L | U | 20 | 25 | OK |
| MW-26 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-26 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-26 | Fluoride | 0.2 | mg/L | | 2 | 0.1 | OK |
| MW-26 | Gross Radium Alpha | 0.591 | pCi/L | | 1 | 1 | OK |
| MW-26 | Iron | 100 | ug/L | | 20 | 30 | OK |
| MW-26 | Lead | 1 | ug/L | U | 5 | 1 | OK |
| MW-26 | Magnesium | 1 | mg/L | | 10 | 0.5 | OK |
| MW-26 | Manganese | 10 | ug/L | | 20 | 10 | OK |
| MW-26 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-26 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-26 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-26 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-26 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-26 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-26 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-26 | Selenium | 5 | ug/L | U | 20 | 5 | OK |
| MW-26 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-26 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-26 | Sulfate | 50 | mg/L | | 100 | 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 | 20 | 100 | OK |
| MW-26 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-26 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-26 | Vanadium | 15 | ug/L | U | 1 | 15 | OK |
| MW-26 | Xylenes, Total | 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-26 | Zinc | 10 | ug/L | U | 20 | 10 | OK |
| MW-27 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-28 | Chloride | 10 | mg/L | | 100 | 1 | OK |
| MW-28 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-28 | Selenium | 5 | ug/L | | 20 | 5 | OK |
| MW-28 | Uranium | 2 | ug/L | | 20 | 0.3 | OK |
| MW-29 | Uranium | 0.3 | ug/L | | 2 | 0.3 | OK |
| MW-30 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-30 | Arsenic | 5 | ug/L | U | 20 | 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 | 20 | 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 CO3 | 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 | 20 | 25 | OK |
| MW-30 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-30 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-30 | Fluoride | 0.1 | mg/L | | 1 | 0.1 | OK |
| MW-30 | Gross Radium Alpha | 0.659 | 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 | 1 | mg/L | | 10 | 0.5 | OK |
| MW-30 | Manganese | 10 | ug/L | U | 20 | 10 | OK |
| MW-30 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-30 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-30 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-30 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-30 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-30 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-30 | Nitrate + Nitrite as N | 0.5 | mg/L | | 50 | 0.1 | OK |
| MW-30 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-30 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-30 | Selenium | 5 | ug/L | | 20 | 5 | OK |
| MW-30 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-30 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-30 | Sulfate | 25 | 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 | 20 | 100 | OK |
| MW-30 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-30 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-30 | Uranium | 0.5 | ug/L | | 5 | 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 | 20 | 10 | OK |
| MW-31 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-31 | Arsenic | 5 | ug/L | U | 20 | 5 | OK |
| MW-31 | Benzene | 1 | ug/L | U | 1 | 1 | OK |
| MW-31 | Beryllium | 0.5 | ug/L | U | 5 | 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-31 | Bicarbonate as CaCO3 | 1 | mg/L | | 1 | 1 | OK |
| MW-31 | Cadmium | 0.5 | ug/L | U | 20 | 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 CO3 | 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 | 20 | 25 | OK |
| MW-31 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-31 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-31 | Fluoride | 0.2 | mg/L | | 2 | 0.1 | OK |
| MW-31 | Gross Radium Alpha | 0.568 | pCi/L | U | 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 | 1 | mg/L | | 10 | 0.5 | OK |
| MW-31 | Manganese | 10 | ug/L | U | 20 | 10 | OK |
| MW-31 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-31 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-31 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-31 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-31 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-31 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-31 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-31 | Nitrogen, Ammonia as N | 0.05 | mg/L | U | 1 | 0.05 | OK |
| MW-31 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-31 | Selenium | 5 | ug/L | | 20 | 5 | OK |
| MW-31 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-31 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-31 | Sulfate | 50 | 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 | 20 | 100 | OK |
| MW-31 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-31 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-31 | Uranium | 0.5 | ug/L | | 5 | 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 | 20 | 10 | OK |
| MW-32 | Chloride | 2 | mg/L | | 20 | 1 | OK |
| MW-36 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-36 | Arsenic | 5 | ug/L | U | 20 | 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 | 20 | 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 CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-36 | Chloride | 20 | mg/L | | 200 | 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 | 20 | 25 | OK |
| MW-36 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |

G-5A Quarterly Sample Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|----------|------------------------|---------------------|-------|-----------|-----------------|--------------------------|----------|
| MW-36 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-36 | Fluoride | 0.1 | mg/L | | 1 | 0.1 | OK |
| MW-36 | Gross Radium Alpha | 0.59 | 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 | 1 | mg/L | | 10 | 0.5 | OK |
| MW-36 | Manganese | 10 | ug/L | U | 20 | 10 | OK |
| MW-36 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-36 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-36 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-36 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-36 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-36 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-36 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-36 | Nitrogen, Ammonia as N | 0.05 | mg/L | U | 1 | 0.05 | OK |
| MW-36 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-36 | Selenium | 5 | ug/L | | 20 | 5 | OK |
| MW-36 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-36 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-36 | Sulfate | 100 | 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 | 20 | 100 | OK |
| MW-36 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-36 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-36 | Uranium | 0.5 | ug/L | | 5 | 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 | 20 | 10 | OK |
| MW-38 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-38 | Arsenic | 5 | ug/L | U | 5 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-38 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-38 | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-38 | Chloride | 20 | mg/L | | 200 | 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 | 0.5 | mg/L | | 5 | 0.1 | OK |
| MW-38 | Gross Radium Alpha | 0.528 | 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 |
| MW-38 | Magnesium | 1 | mg/L | | 10 | 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 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-38 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-38 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |

G-5A Quarterly Sample Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|----------|------------------------|---------------------|-------|-----------|-----------------|--------------------------|----------|
| 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 | 0.2 | mg/L | | 20 | 0.1 | OK |
| MW-38 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-38 | Sulfate | 100 | 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 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-38 | Uranium | 0.5 | ug/L | | 5 | 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 | Acetone | 20 | ug/L | U | 1 | 20 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-39 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-39 | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-39 | Chloride | 20 | mg/L | | 200 | 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 | 0.5 | mg/L | | 5 | 0.1 | OK |
| MW-39 | Gross Radium Alpha | 0.573 | 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 | 1 | mg/L | | 10 | 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 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | 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 | | 10 | 0.1 | OK |
| MW-39 | Nitrogen, Ammonia as N | 0.05 | mg/L | | 1 | 0.05 | OK |
| MW-39 | Potassium | 2 | mg/L | | 2 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-39 | Sulfate | 100 | mg/L | | 200 | 1 | OK |
| MW-39 | Tetrahydrofuran | 1 | ug/L | U | 1 | 1 | OK |
| MW-39 | Thallium | 0.5 | ug/L | | 5 | 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 | Tin | 100 | ug/L | U | 20 | 100 | OK |
| MW-39 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-39 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-39 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-39 | Vanadium | 15 | ug/L | U | 2 | 15 | OK |
| MW-39 | Xylenes, Total | 1 | ug/L | U | 1 | 1 | OK |
| MW-39 | Zinc | 10 | ug/L | | 20 | 10 | OK |
| MW-40 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-40 | Arsenic | 5 | ug/L | U | 5 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-40 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-40 | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-40 | Chloride | 10 | mg/L | | 100 | 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 | | 20 | 10 | OK |
| MW-40 | Fluoride | 0.5 | mg/L | | 5 | 0.1 | OK |
| MW-40 | Gross Radium Alpha | 0.416 | 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 | 1 | mg/L | | 10 | 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 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | 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 | | 10 | 0.1 | OK |
| MW-40 | Nitrogen, Ammonia as N | 0.05 | mg/L | U | 1 | 0.05 | 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 | 10 | mg/L | | 10 | 0.5 | OK |
| MW-40 | Sulfate | 50 | mg/L | | 100 | 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 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-40 | Uranium | 0.5 | ug/L | | 5 | 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 | 5 | 10 | OK |
| MW-65 | Acetone | 20 | ug/L | U | 1 | 20 | OK |
| MW-65 | Arsenic | 5 | ug/L | U | 20 | 5 | OK |
| MW-65 | Benzene | 1 | ug/L | U | 1 | 1 | OK |
| MW-65 | Beryllium | 0.5 | ug/L | U | 5 | 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-65 | Bicarbonate as CaCO3 | 1 | mg/L | | 1 | 1 | OK |
| MW-65 | Cadmium | 0.5 | ug/L | | 20 | 0.5 | OK |
| MW-65 | Calcium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-65 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-65 | Carbonate as CO3 | 1 | mg/L | U | 1 | 1 | OK |
| MW-65 | Chloride | 10 | mg/L | | 100 | 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 | 20 | 25 | OK |
| MW-65 | Cobalt | 10 | ug/L | U | 20 | 10 | OK |
| MW-65 | Copper | 10 | ug/L | U | 20 | 10 | OK |
| MW-65 | Fluoride | 0.1 | mg/L | | 1 | 0.1 | OK |
| MW-65 | Gross Radium Alpha | 0.523 | 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 | 1 | mg/L | | 10 | 0.5 | OK |
| MW-65 | Manganese | 10 | ug/L | | 20 | 10 | OK |
| MW-65 | Mercury | 0.5 | ug/L | U | 1 | 0.5 | OK |
| MW-65 | Methyl ethyl ketone | 20 | ug/L | U | 1 | 20 | OK |
| MW-65 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-65 | Molybdenum | 10 | ug/L | U | 20 | 10 | OK |
| MW-65 | Naphthalene | 1 | ug/L | U | 1 | 1 | OK |
| MW-65 | Nickel | 20 | ug/L | U | 20 | 20 | OK |
| MW-65 | Nitrate + Nitrite as N | 0.1 | mg/L | U | 10 | 0.1 | OK |
| MW-65 | Nitrogen, Ammonia as N | 0.05 | mg/L | U | 1 | 0.05 | OK |
| MW-65 | Potassium | 1 | mg/L | | 1 | 0.5 | OK |
| MW-65 | Selenium | 5 | ug/L | U | 20 | 5 | OK |
| MW-65 | Silver | 10 | ug/L | U | 20 | 10 | OK |
| MW-65 | Sodium | 10 | mg/L | | 10 | 0.5 | OK |
| MW-65 | Sulfate | 50 | mg/L | | 100 | 1 | OK |
| MW-65 | Tetrahydrofuran | 1 | ug/L | U | 1 | 1 | OK |
| MW-65 | Thallium | 0.5 | ug/L | U | 5 | 0.5 | OK |
| MW-65 | Tin | 100 | ug/L | U | 20 | 100 | OK |
| MW-65 | Toluene | 1 | ug/L | U | 1 | 1 | OK |
| MW-65 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-65 | Uranium | 0.5 | ug/L | | 5 | 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 | | 20 | 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 | Carbon tetrachloride | 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 |
| Trip Blank | Carbon tetrachloride | 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 | 50 | mg/L | | 100 | 1 | OK |
| MW-11 | Chloride | 10 | mg/L | | 100 | 1 | OK |
| MW-11 | Sulfate | 100 | mg/L | | 200 | 1 | OK |
| MW-11 | Chloride | 2 | mg/L | | 20 | 1 | OK |
| MW-26 | Chloride | 5 | mg/L | | 50 | 1 | OK |
| MW-26 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Chloroform | 10 | ug/L | | 10 | 1 | OK |
| MW-26 | Methylene chloride | 1 | ug/L | | 1 | 1 | OK |
| MW-26 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-26 | Chloride | 2 | mg/L | | 20 | 1 | OK |
| MW-26 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Chloroform | 10 | ug/L | | 10 | 1 | OK |
| MW-26 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-30 | Chloride | 5 | mg/L | | 50 | 1 | OK |
| MW-30 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-30 | Selenium | 5 | ug/L | | 5 | 5 | OK |
| MW-30 | Nitrate + Nitrite as N | 0.2 | mg/L | | 20 | 0.1 | OK |
| MW-30 | Chloride | 5 | mg/L | | 50 | 1 | OK |
| MW-30 | Uranium | 0.3 | ug/L | | 2 | 0.3 | OK |
| MW-30 | Selenium | 5 | ug/L | | 2 | 5 | OK |
| MW-30 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-31 | Sulfate | 50 | mg/L | | 100 | 1 | OK |
| MW-31 | Chloride | 10 | mg/L | | 100 | 1 | OK |
| MW-31 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-31 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-31 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-31 | Sulfate | 50 | mg/L | | 100 | 1 | OK |
| MW-31 | Chloride | 10 | mg/L | | 100 | 1 | OK |
| MW-31 | Uranium | 0.3 | ug/L | | 2 | 0.3 | OK |
| MW-31 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-31 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |
| MW-65 | Chloride | 5 | mg/L | | 50 | 1 | OK |
| MW-65 | Uranium | 0.5 | ug/L | | 5 | 0.3 | OK |
| MW-65 | Selenium | 5 | ug/L | | 5 | 5 | OK |
| MW-65 | Nitrate + Nitrite as N | 0.2 | mg/L | | 20 | 0.1 | OK |
| MW-65 | Sulfate | 100 | mg/L | | 200 | 1 | OK |
| MW-65 | Chloride | 1 | mg/L | | 10 | 1 | OK |
| MW-65 | Uranium | 0.3 | ug/L | | 2 | 0.3 | OK |
| MW-65 | Nitrate + Nitrite as N | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-65 | Total Dissolved Solids | 20 | MG/L | | 2 | 10 | OK |

G-6A: Quarterly Sample Trip Blank Evaluation

| Lab Report | Constituent | Result |
|--------------|----------------------|--------|
| AWAL 2107791 | 2-Butanone | ND |
| | Acetone | ND |
| | Benzene | ND |
| | Carbon Tetrachloride | ND |
| | Chloroform | ND |
| | Chloromethane | ND |
| | Methylene Chloride | ND |
| | Naphthalene | ND |
| | Tetrahydrofuran | ND |
| | Toluene | ND |
| | Xylenes, Total | ND |

G-6B: Accelerated Sample Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

| Blank | Sample Date | Laboratory |
|--------------|--------------------|-------------------|
| AWAL 2108362 | 8/10/2021 | AWAL |
| AWAL 2109256 | 9/9/2021 | AWAL |

G-7A: QA/QC Evaluation for Quarterly Sample Duplicates

| Constituent | MW-14 7/27/21 | MW-65 7/27/21 | %RPD |
|--|---------------|---------------|-------|
| Bicarbonate as CaCO ₃ (mg/L) | 355 | 415 | 15.58 |
| Cadmium (mg/L) | 0.00163 | 0.00130 | 22.53 |
| Calcium (mg/L) | 505 | 508 | 0.59 |
| Chloride (mg/L) | 19.0 | 19.2 | 1.05 |
| Fluoride (mg/L) | 0.109 | 0.103 | 5.66 |
| Magnesium (mg/L) | 157 | 160 | 1.89 |
| Manganese (mg/L) | 1.84 | 1.85 | 0.54 |
| Potassium (mg/L) | 14.7 | 14.3 | 2.76 |
| Sodium (mg/L) | 334 | 338 | 1.19 |
| Sulfate (mg/L) | 2200 | 2190 | 0.46 |
| TDS (mg/L) | 3810 | 4230 | 10.45 |
| Uranium (mg/L) | 0.0600 | 0.0573 | 4.60 |
| Zinc | 0.0152 | 0.0211 | 32.51 |
| 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. | | | |
| N/A - The duplicate test was not performed because both results were not greater than the RL. | | | |

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

| Constituent | MW-30 8/9/21 | MW-65 8/9/21 | %RPD* |
|---------------------------------|-----------------|-----------------|-------|
| Nitrate + Nitrite (as N) (mg/L) | 16.5 | 18.6 | 11.97 |
| Selenium (mg/L) | 0.0561 | 0.0572 | 1.94 |
| Uranium (mg/L) | 0.00938 | 0.00948 | 1.06 |
| Chloride (mg/L) | 161 | 181 | 11.70 |
| Constituent | MW-31 9/7/21 | MW-65 9/7/21 | %RPD |
| Nitrate + Nitrite (as N) | 16.0 | 16.5 | 3.08 |
| Sulfate (mg/L) | 1130 | 1130 | 0.00 |
| Total Dissolved Solids (mg/L) | 2870 | 3640 | 23.66 |
| Uranium (mg/L) | 0.0202 | 0.01940 | 4.04 |
| Chloride (mg/L) | 356 | 356 | 0.00 |

RPD exceeds the QAP limit of 20%.

G-8A: Quarterly Sample Radiologics Counting Error

| Well | Gross Alpha minus Rn & U | Gross Alpha minus Rn and U Precision (+/-) | Counting Error ≤ 20% | GWCL | Within GWCL? |
|--------|--------------------------|--|----------------------|------|--------------|
| MW-11 | 1.00 U | 0.188 | NC | 3.75 | NC |
| MW-14 | 1.00 U | 0.386 | NC | 7.5 | NC |
| MW-24 | 1.92 | 0.359 | Y | 7.5 | N/A |
| MW-24A | 2.77 | 0.475 | Y | - | - |
| MW-25 | 1.00 U | 0.213 | NC | 7.5 | NC |
| MW-26 | 1.71 | 0.339 | Y | 4.69 | N/A |
| MW-30 | 1.00 U | 0.208 | NC | 3.75 | NC |
| MW-31 | 1.00 U | 0.190 | NC | 7.5 | NC |
| MW-36 | 1.00 U | 0.205 | NC | 7.5 | NC |
| MW-38 | 1.00 U | 0.236 | NC | - | - |
| MW-39 | 2.50 | 0.412 | Y | - | - |
| MW-40 | 1.00 U | 0.202 | NC | - | - |
| MW-65 | 1.00 U | 0.143 | NC | 7.5 | NC |

N/A - the counting error is less than 20% of the activity as required by the GWDP 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: Quarterly Sample Laboratory Matrix QC

Matrix Spike % Recovery Comparison

| Lab Report | Well | Analyte | MS %REC | MSD %REC | REC Range | RPD | RPD Range |
|------------|-------|------------|---------|----------|-----------|------|-----------|
| 2107668 | MW-28 | Nitrate | 132 | 99.1 | 90-110 | 18.7 | 10 |
| 2107791 | MW-31 | Calcium* | NC | NC | 70-130 | NC | 20 |
| 2107791 | MW-31 | Manganese* | NC | NC | 70-130 | NC | 20 |
| 2107791 | MW-14 | Sodium* | NC | NC | 70-130 | NC | 20 |
| 2107791 | MW-14 | Manganese* | NC | NC | 70-130 | NC | 20 |
| 2107791 | MW-14 | Calcium* | NC | NC | 70-130 | NC | 20 |
| 2107791 | MW-28 | Nitrate | 132 | 99.1 | 90-110 | 18.7 | 10 |
| 2107791 | MW-24 | Nitrate | 116 | 147 | 90-110 | 22.7 | 10 |

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

Method Blank Detections

All Method Blanks for the quarter were non-detect.

Laboratory Control Sample

All Laboratory Control Samples were within acceptance limits for the quarter.

Laboratory Duplicate % Recovery Comparison

All Laboratory Duplicate samples were within acceptance limits for the quarter.

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

| Lab Report | Well | Analyte | MS %REC | MSD %REC | REC Range | RPD % | RPD Range % |
|-----------------------------|-------|------------|---------|----------|-----------|-------|-------------|
| 2108362 - August Monthly | MW-26 | Chloroform | -6.55 | 0.1 | 74-120 | 1.09 | 35 |
| 2109256 - September Monthly | MW-26 | Chloroform | 104 | 129 | 74-120 | 6.7 | 35 |

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

Laboratory Duplicate % Recovery Comparison

All Laboratory Duplicates were within acceptance limits for the quarter.

Method Blank Detections

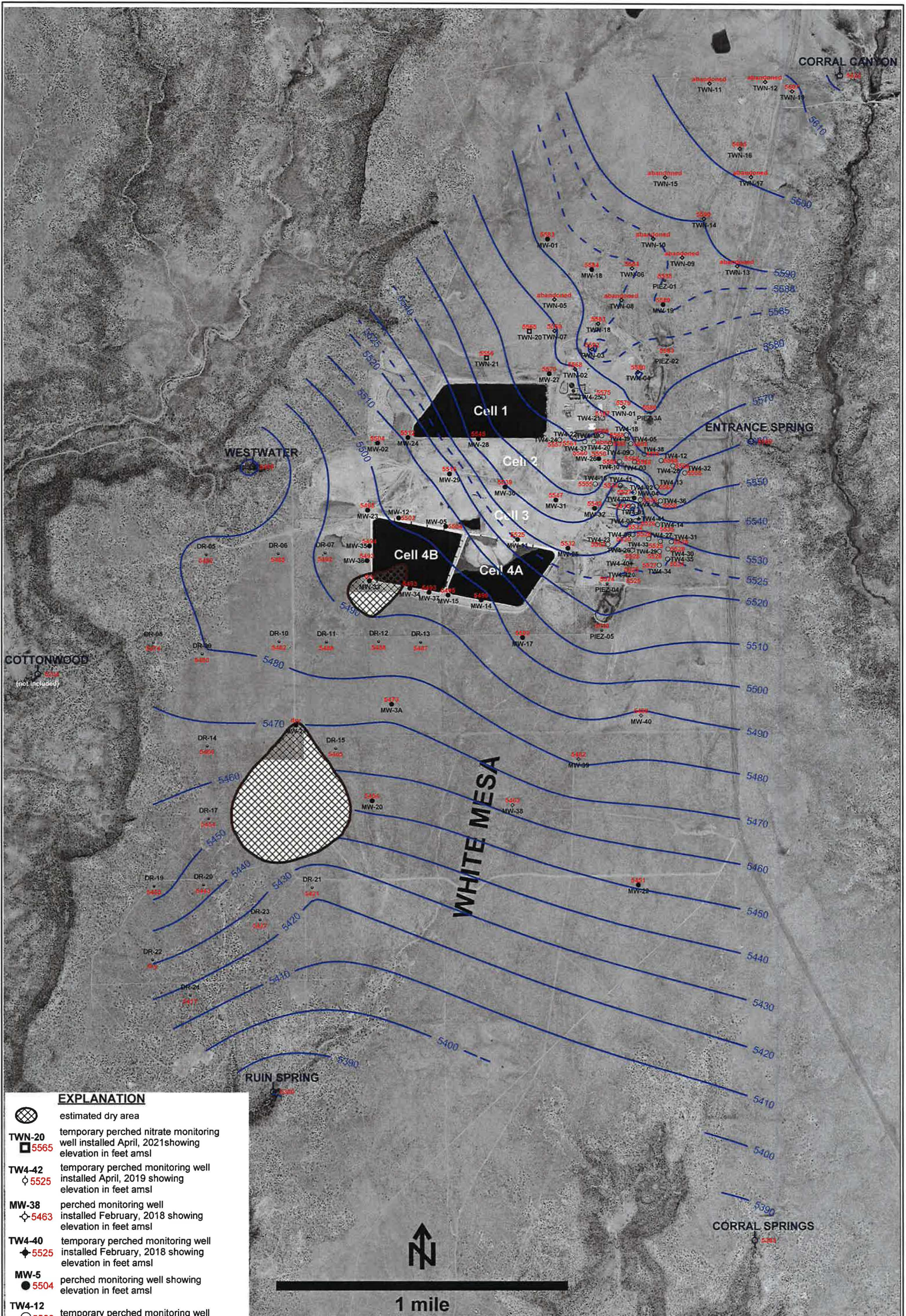
All Method Blanks for the quarter were non-detect.

Laboratory Control Sample











All Laboratory Control Samples were within acceptance limits for the quarter.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

-  estimated dry area
-  TWN-20 temporary perched nitrate monitoring well installed April, 2021 showing elevation in feet amsl
-  TW4-42 temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
-  MW-38 perched monitoring well installed February, 2018 showing elevation in feet amsl
-  TW4-40 temporary perched monitoring well installed February, 2018 showing elevation in feet amsl
-  MW-5 perched monitoring well showing elevation in feet amsl
-  TW4-12 temporary perched monitoring well showing elevation in feet amsl
-  TWN-7 temporary perched nitrate monitoring well showing elevation in feet amsl
-  PIEZ-1 perched piezometer showing elevation in feet amsl
-  RUIN SPRING seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, 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; TW4-11 water level is below the base of the Burro Canyon Formation



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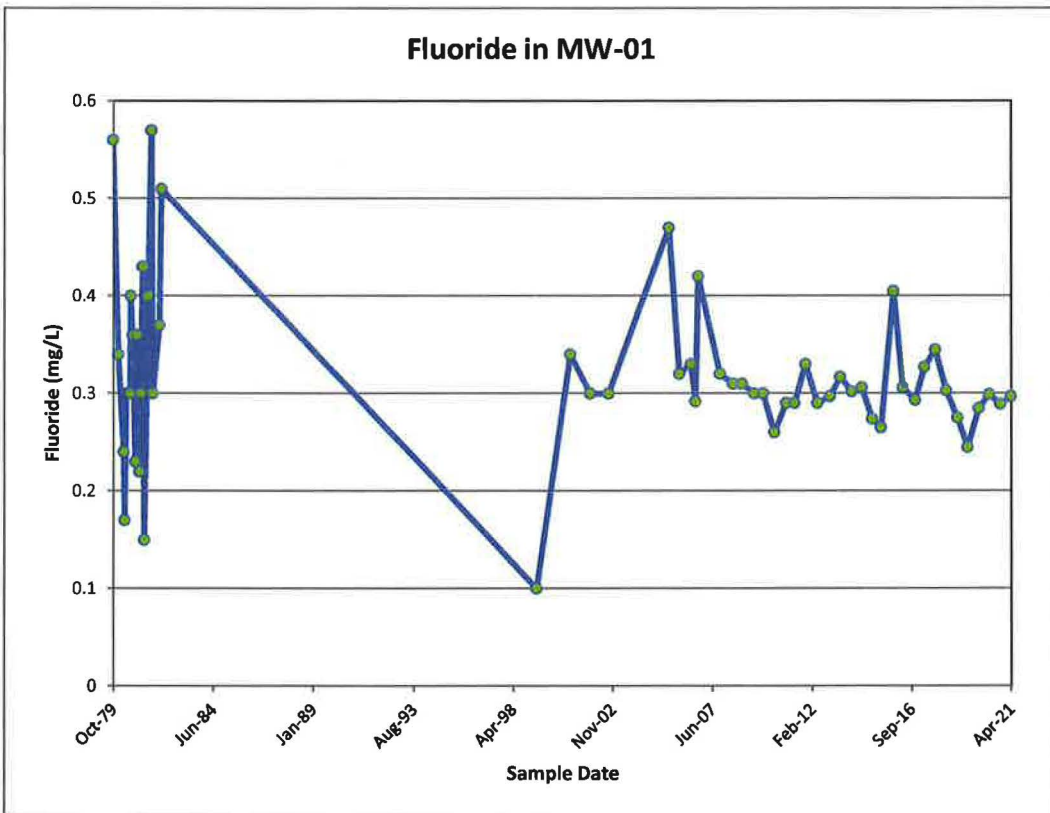
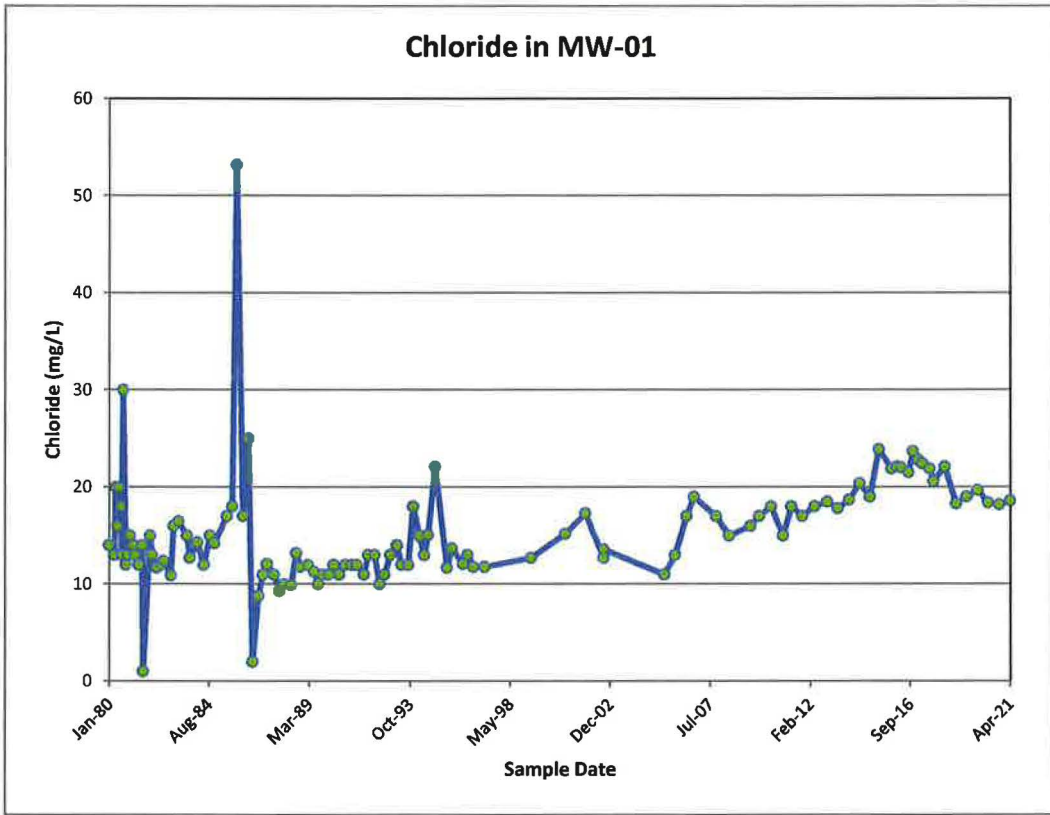
**KRIGED 3rd QUARTER, 2021 WATER LEVELS
WHITE MESA SITE**

| APPROVED | DATE | REFERENCE | FIGURE |
|----------|------|-------------------------------|--------|
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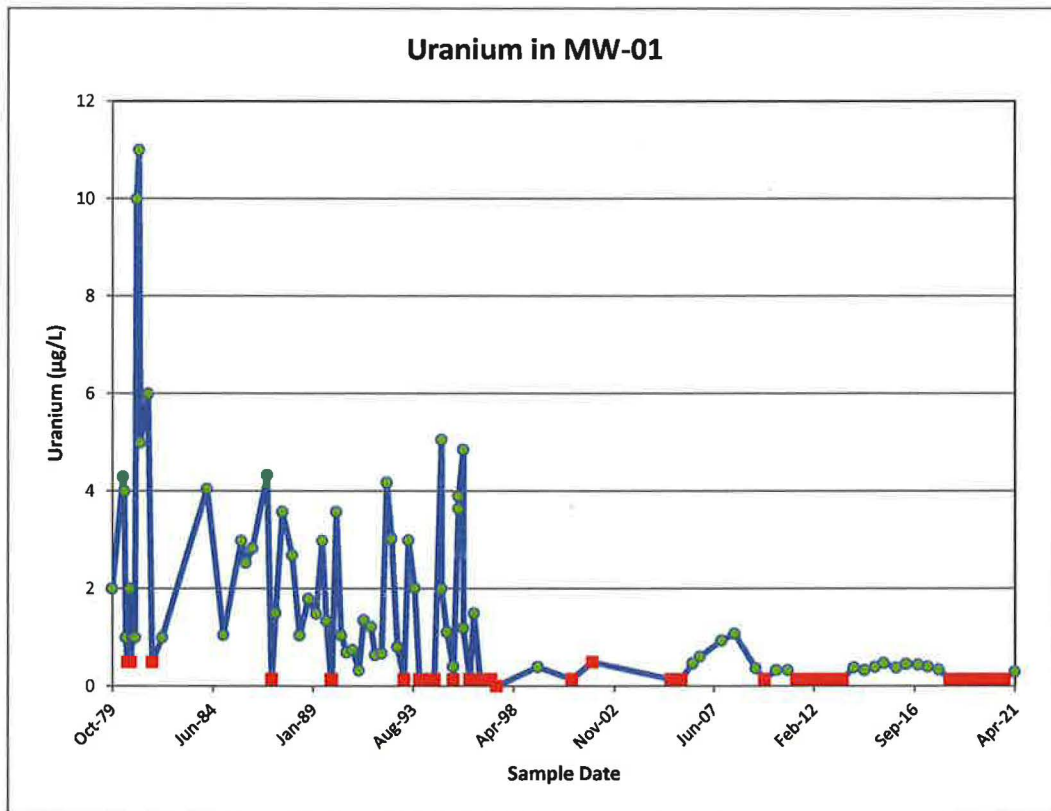
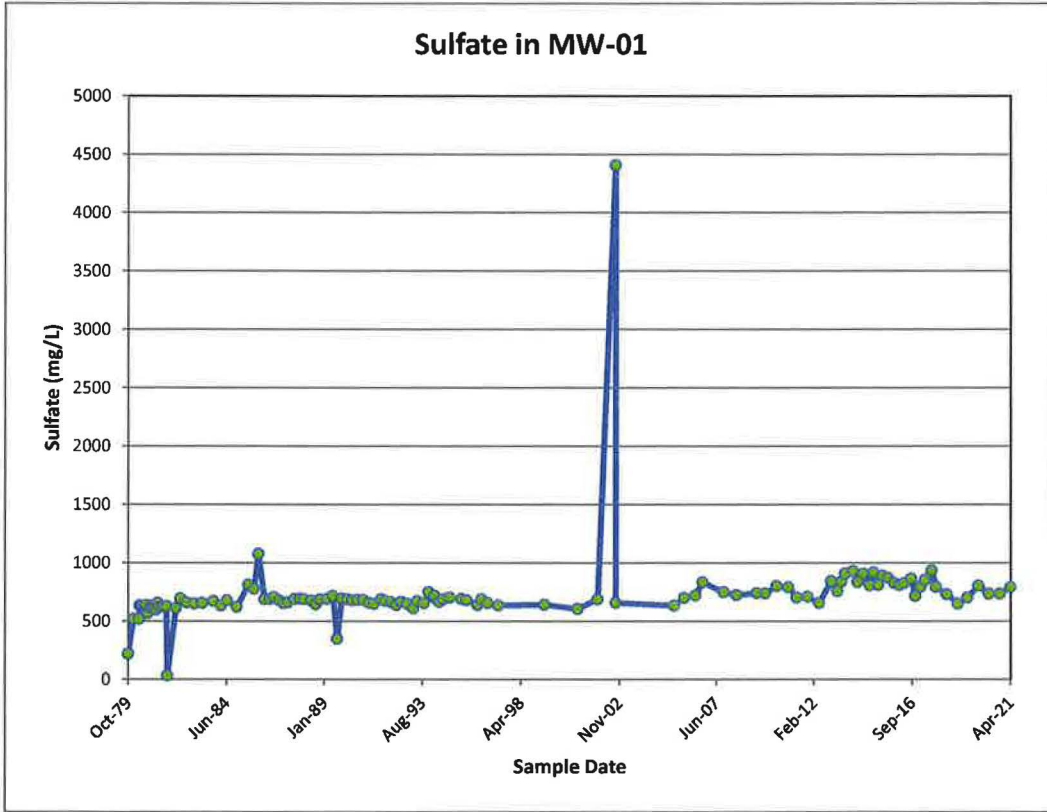
Tab I

Groundwater Time Concentration Plots

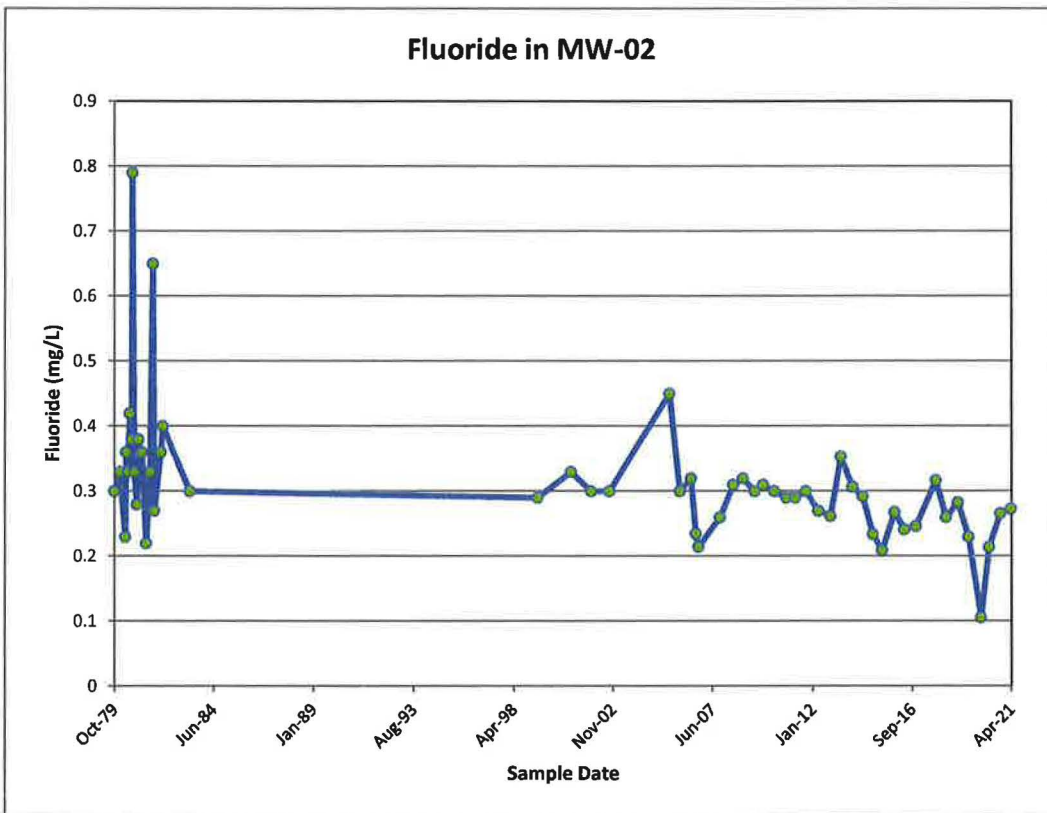
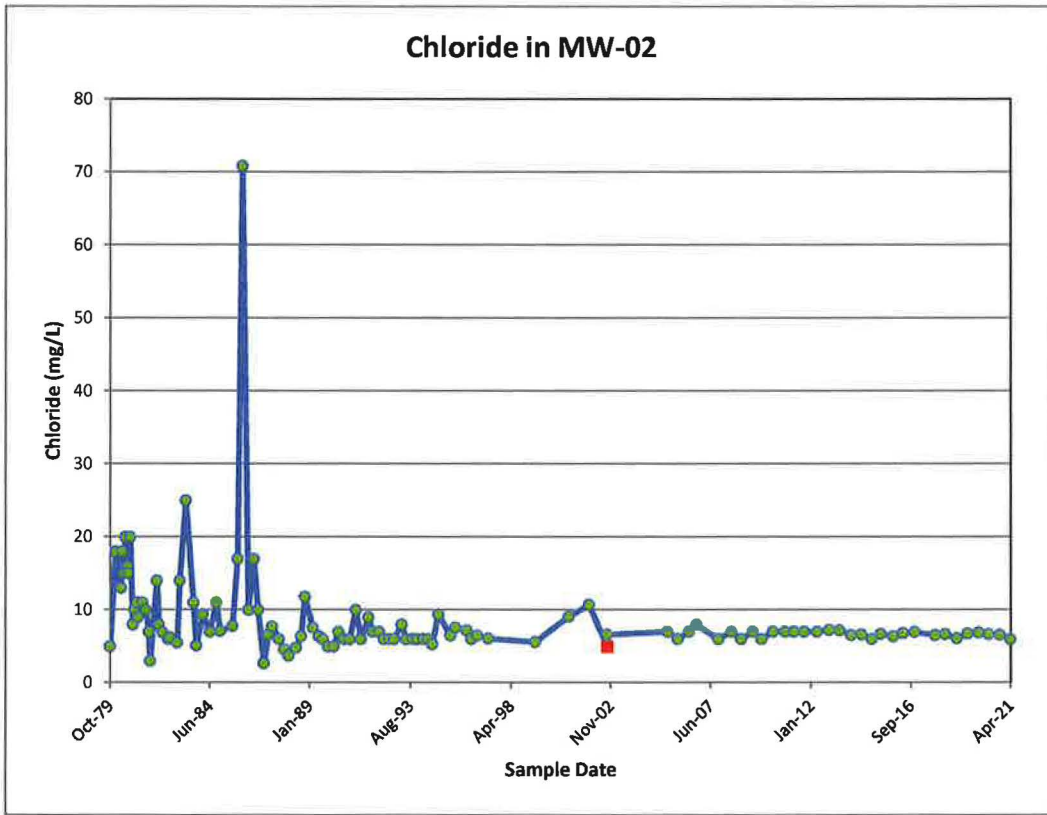
Time concentration plots for MW-01



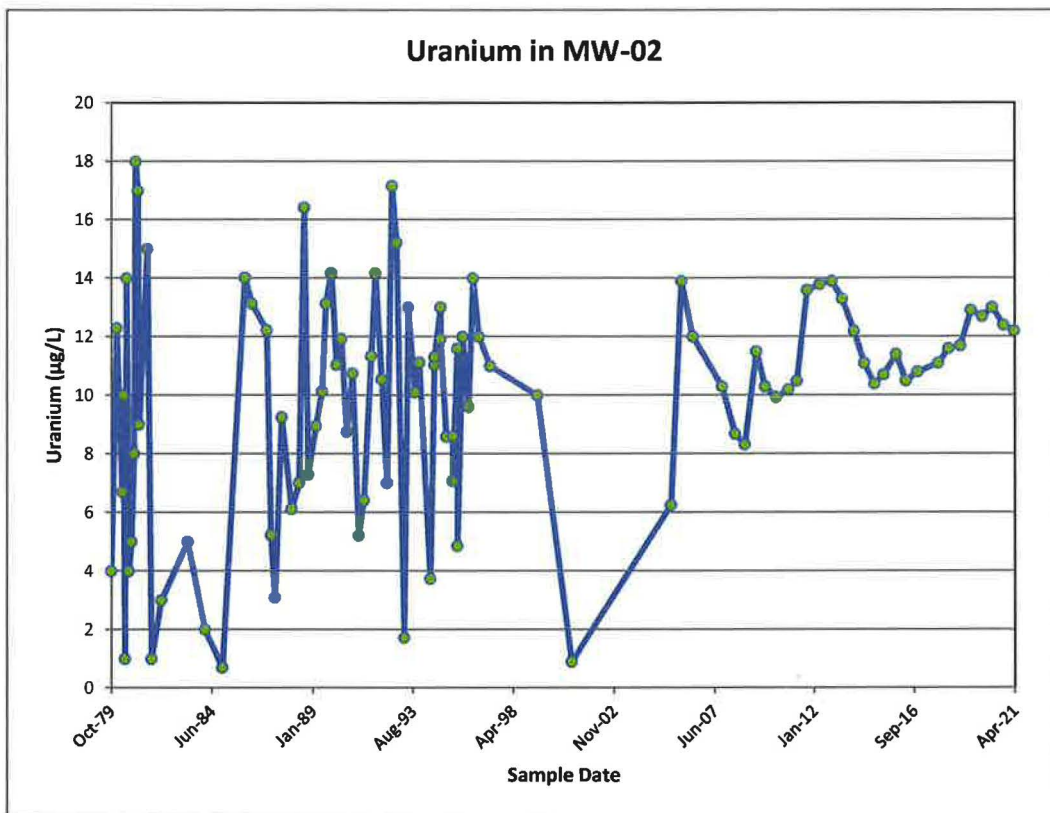
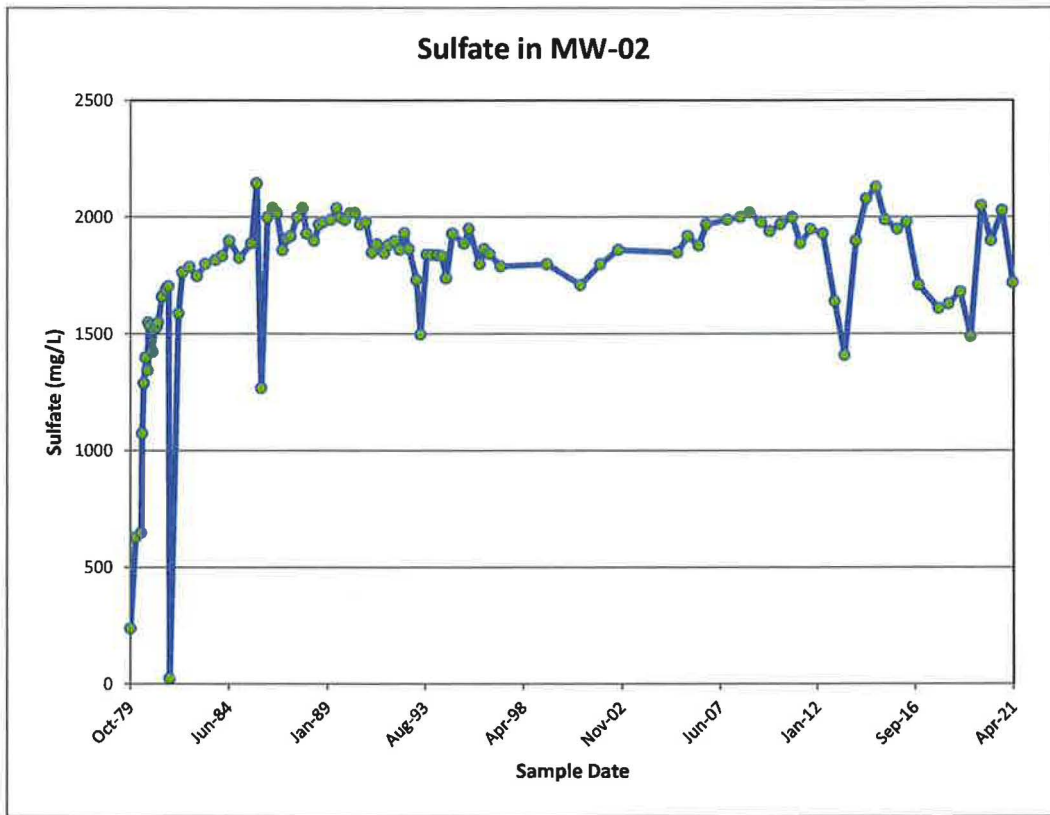
Time concentration plots for MW-01



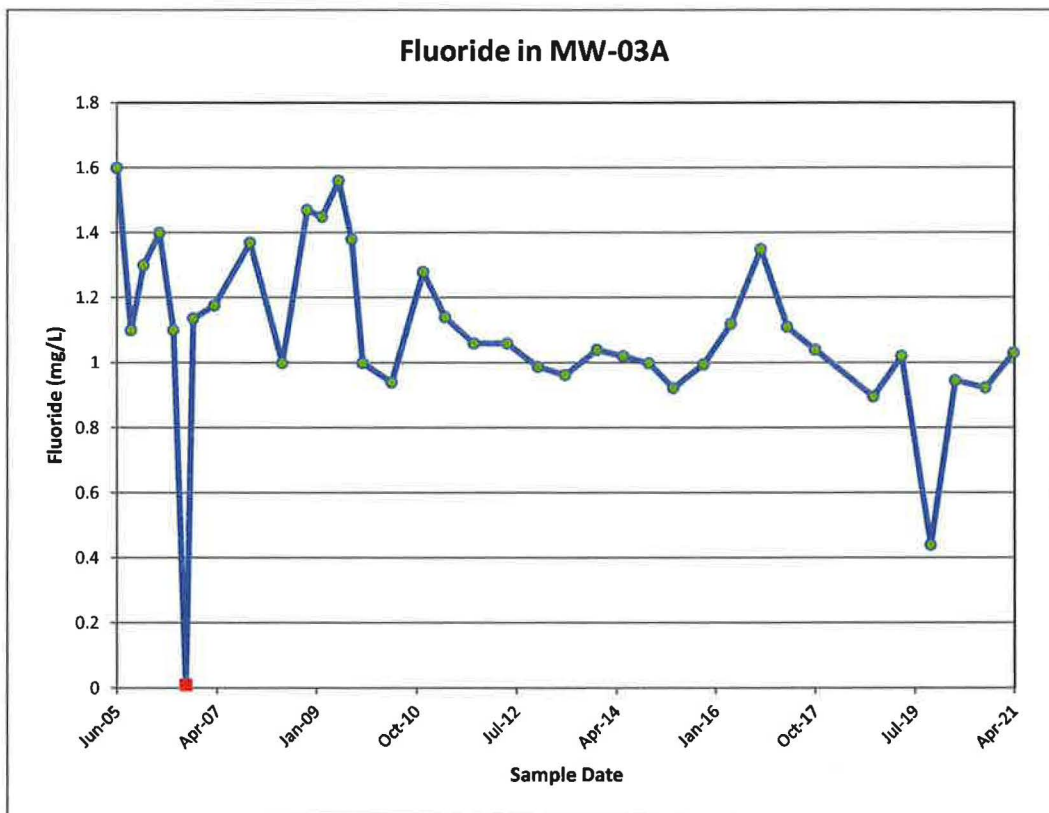
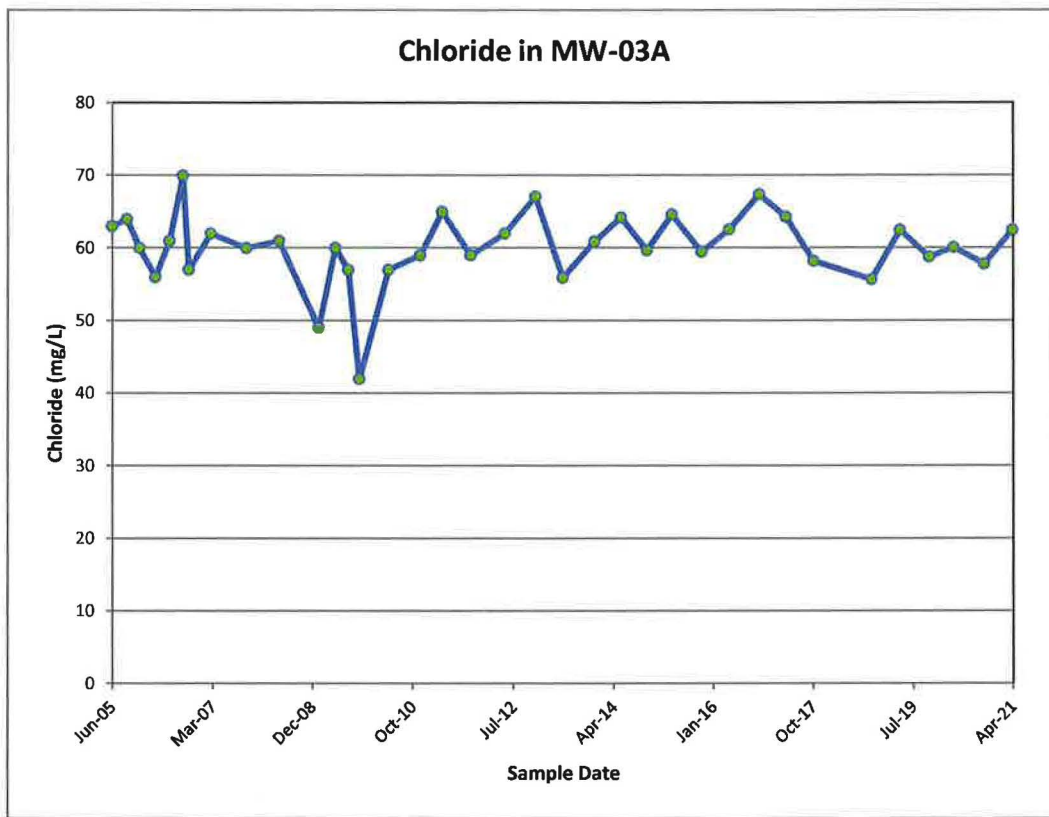
Time concentration plots for MW-02



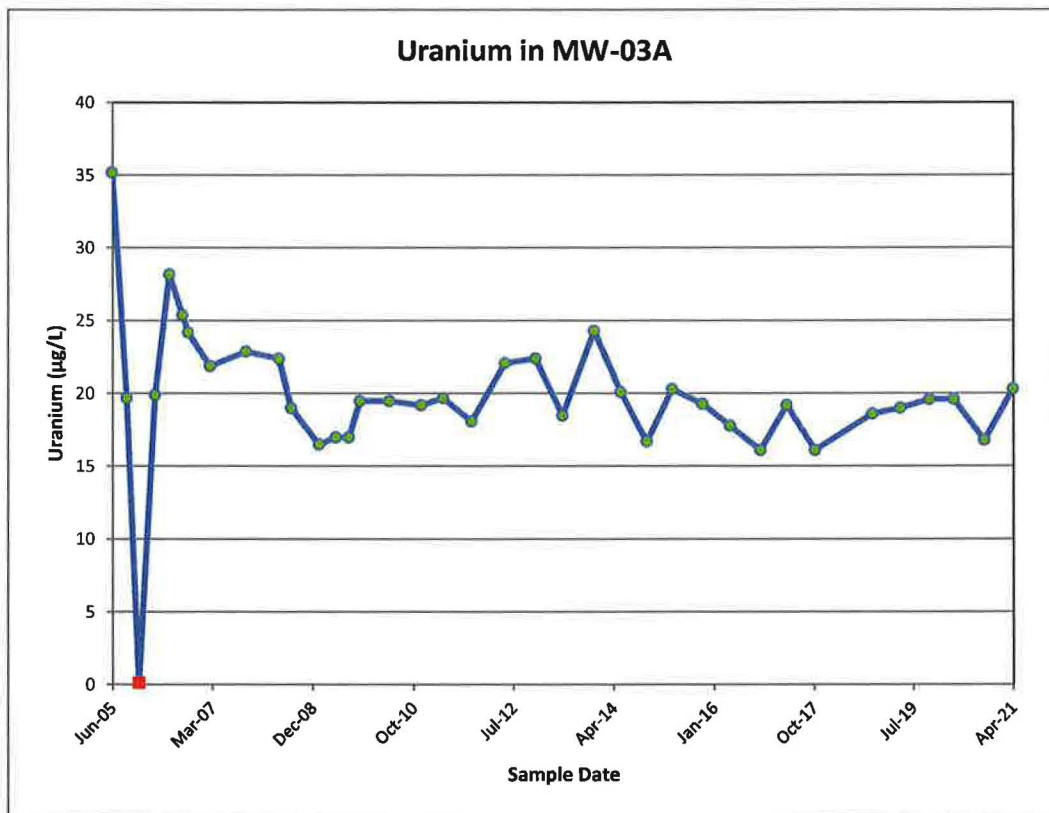
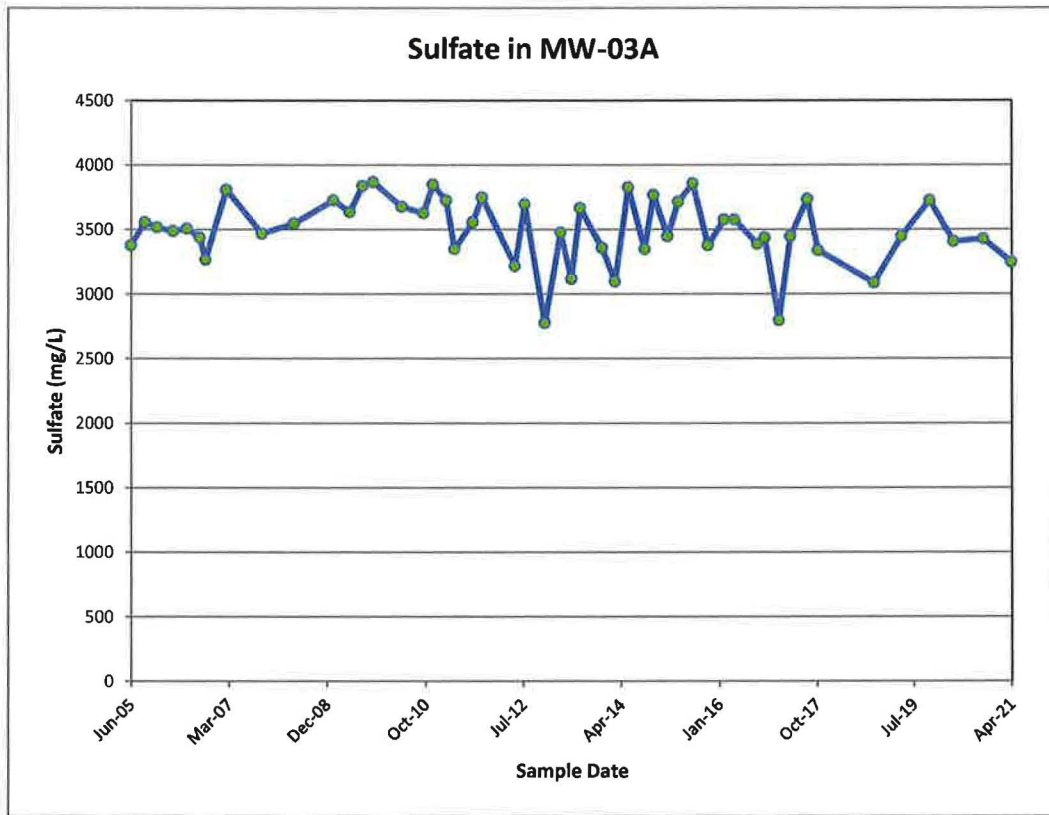
Time concentration plots for MW-02



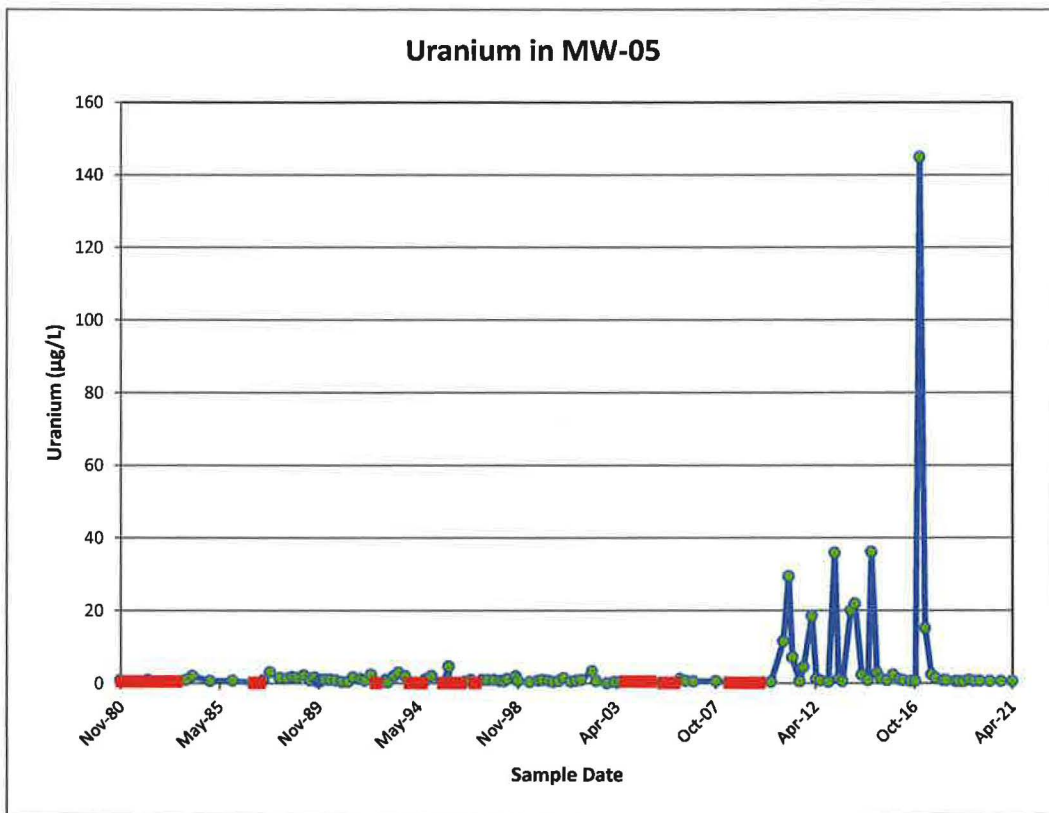
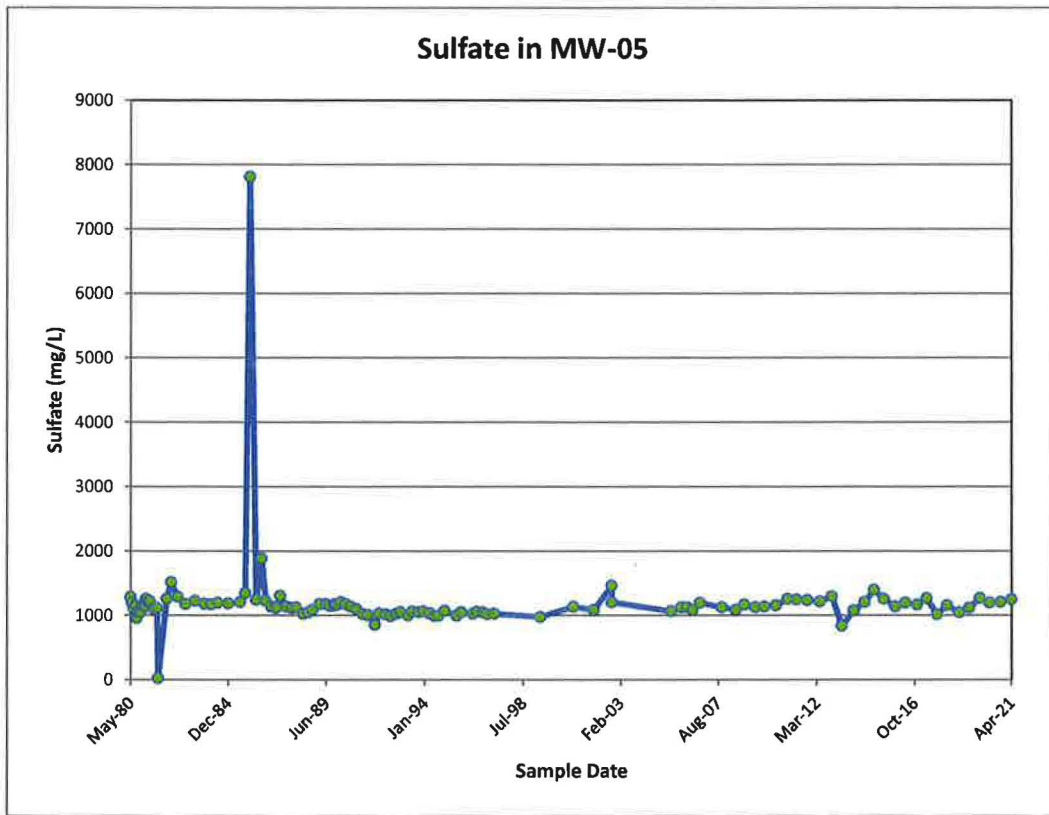
Time concentration plots for MW-03A



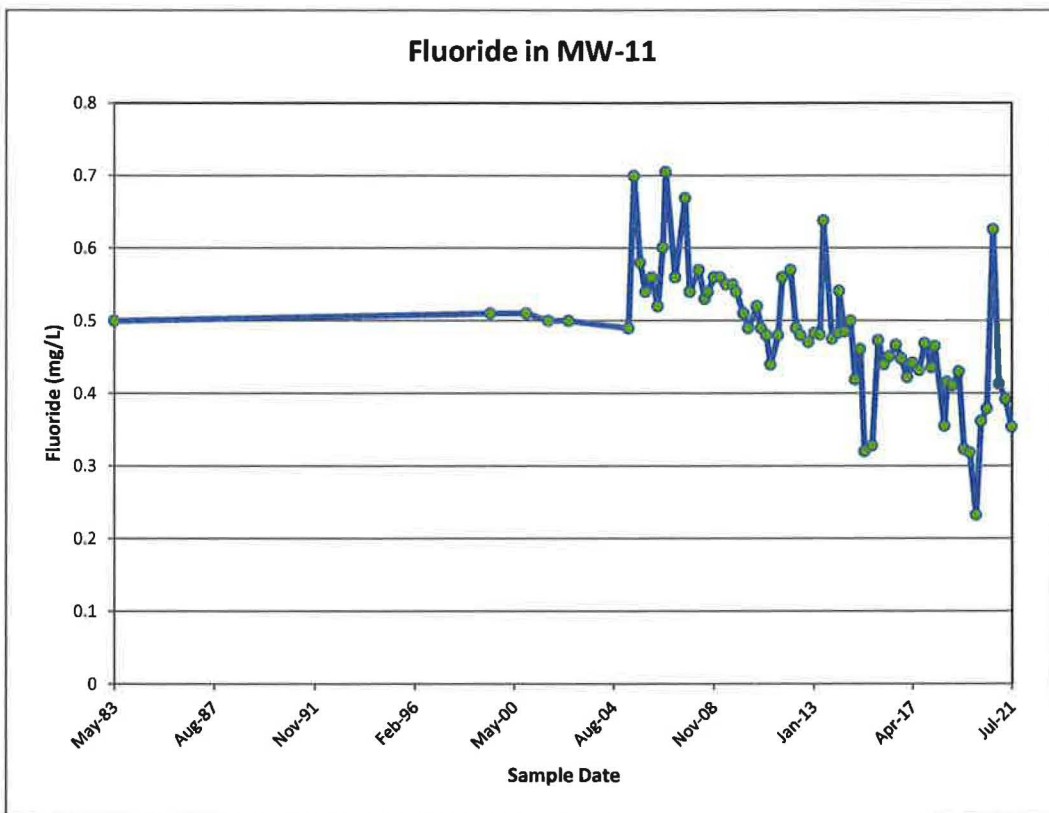
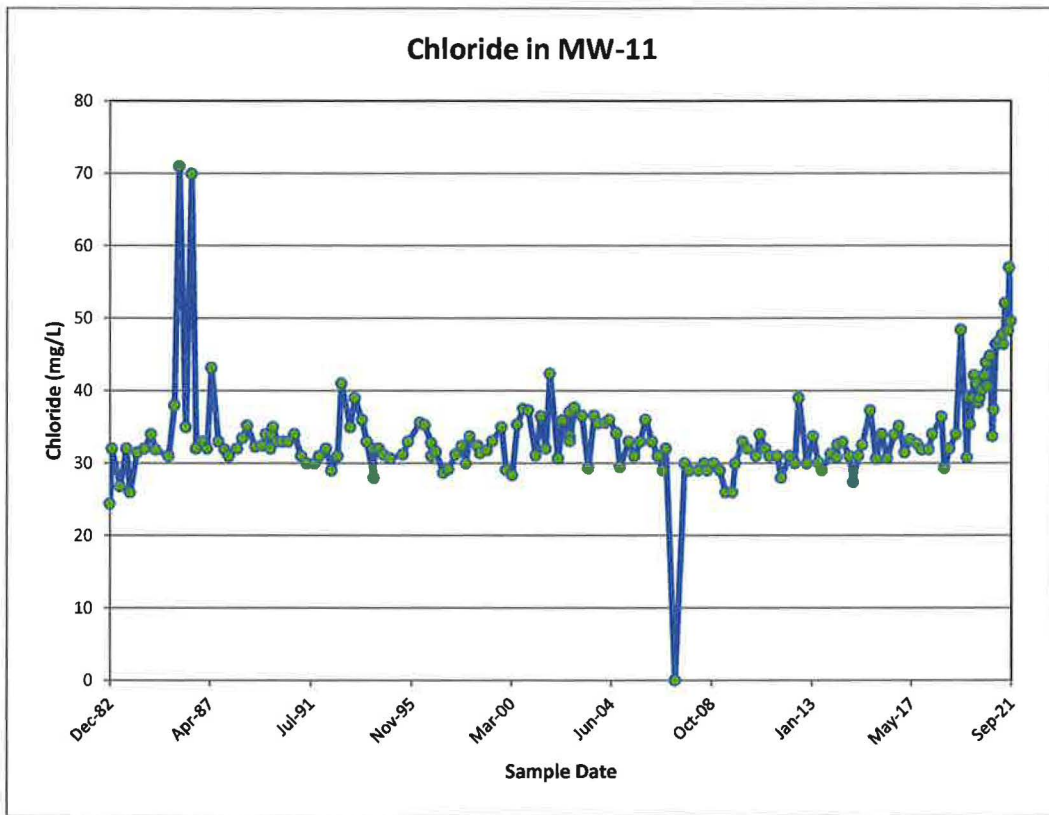
Time concentration plots for MW-03A



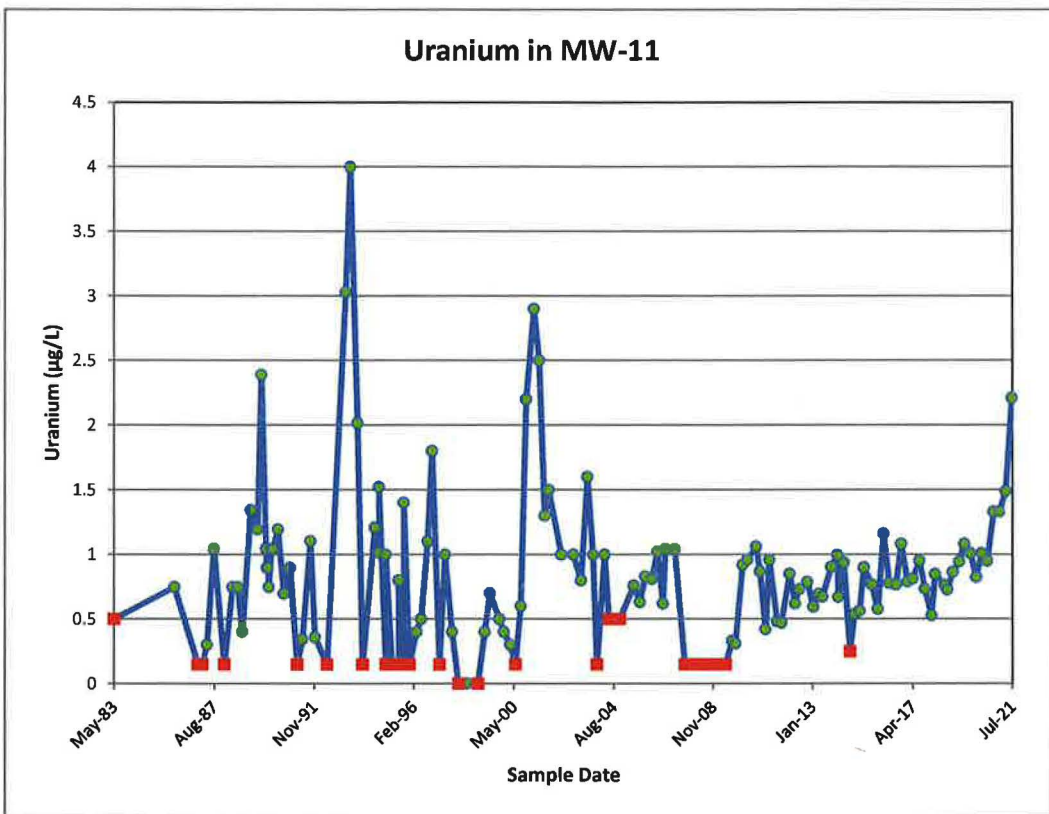
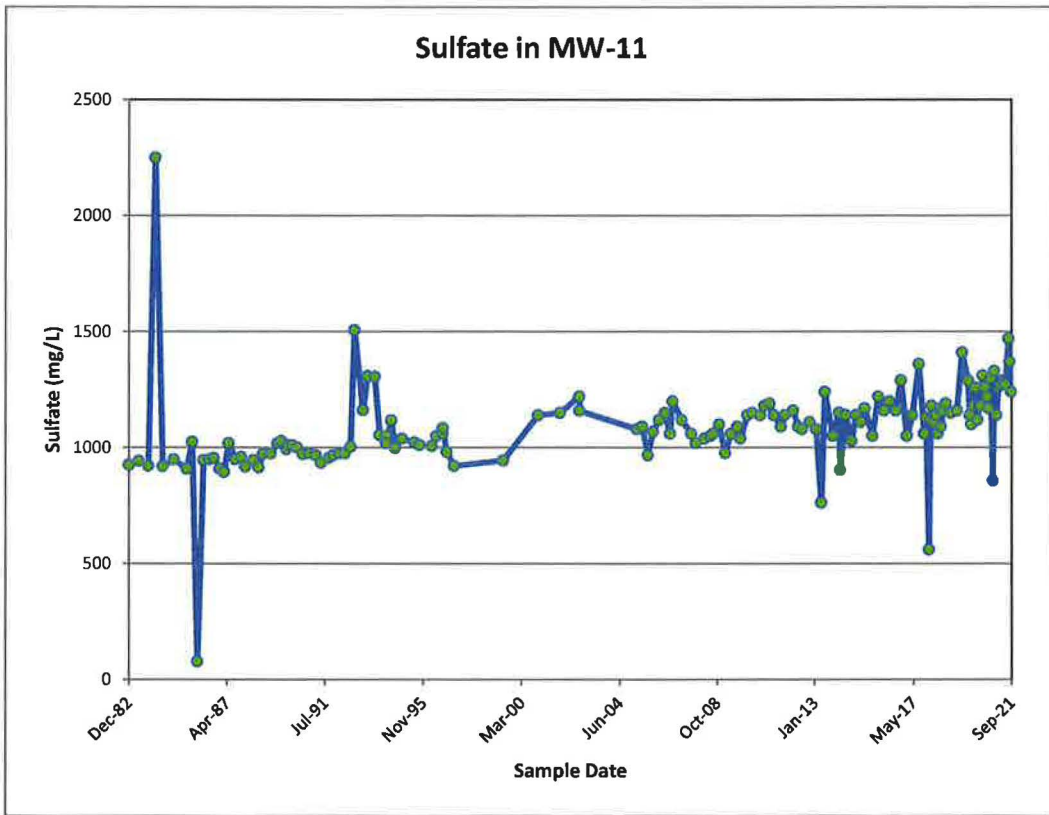
Time concentration plots for MW-05



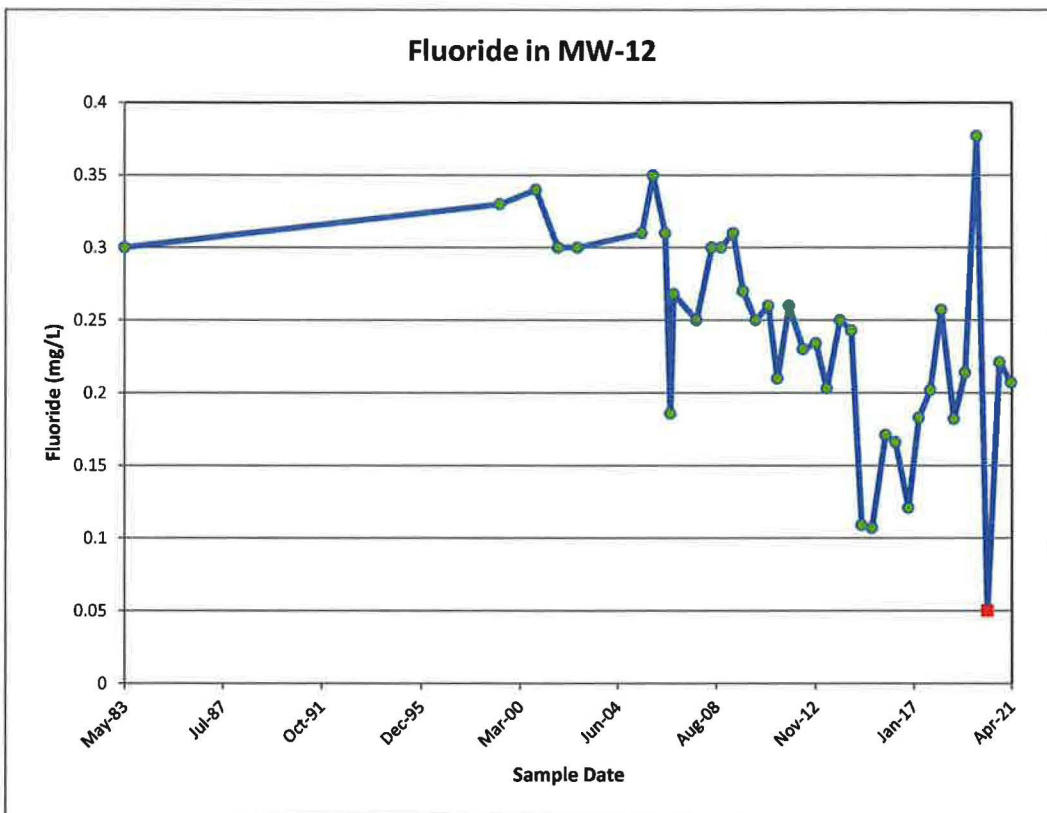
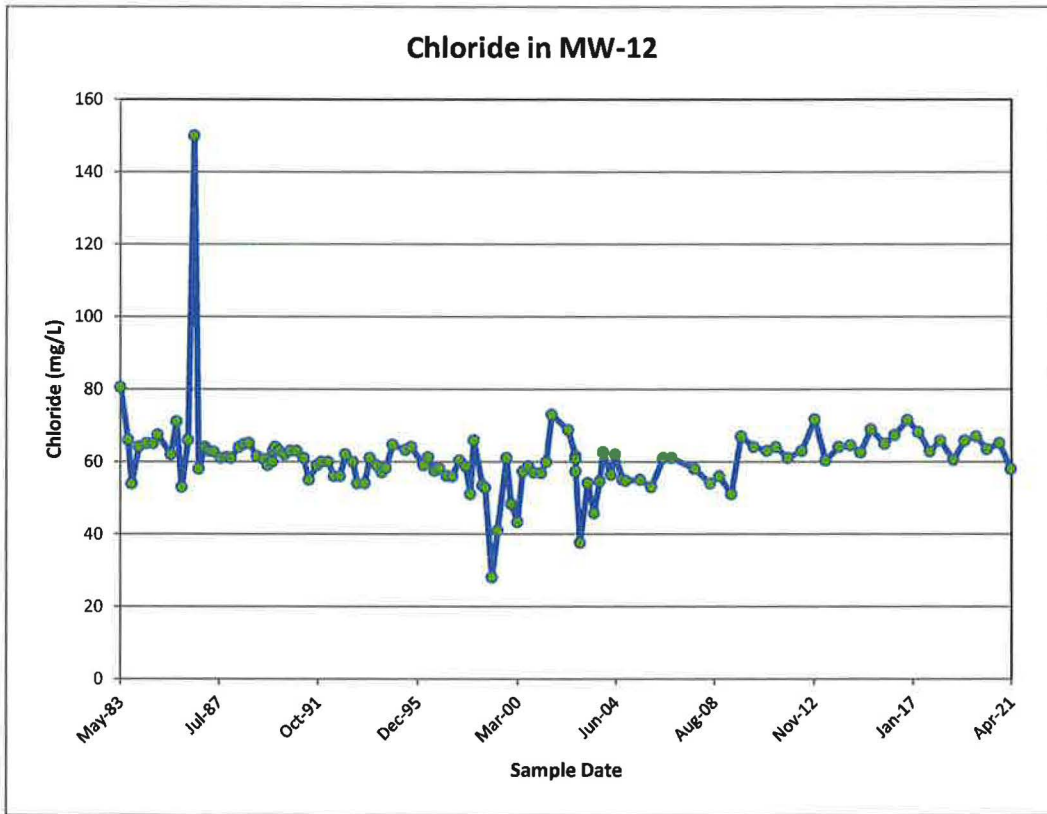
Time concentration plots for MW-11



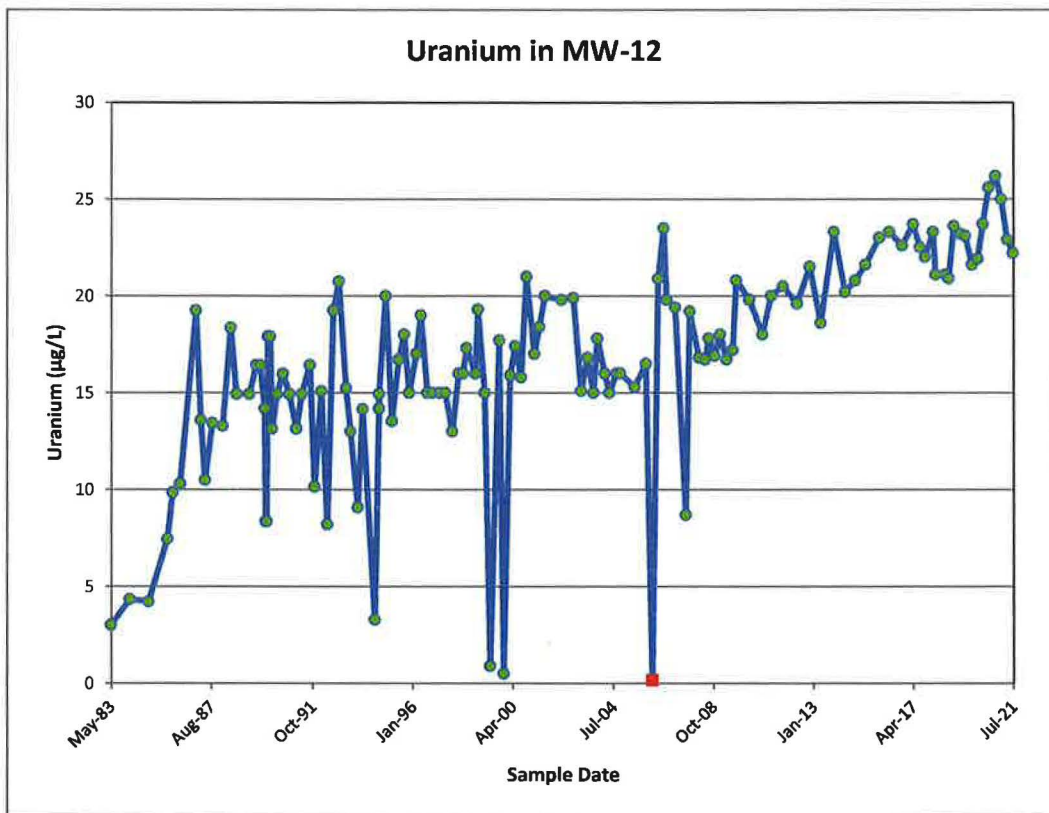
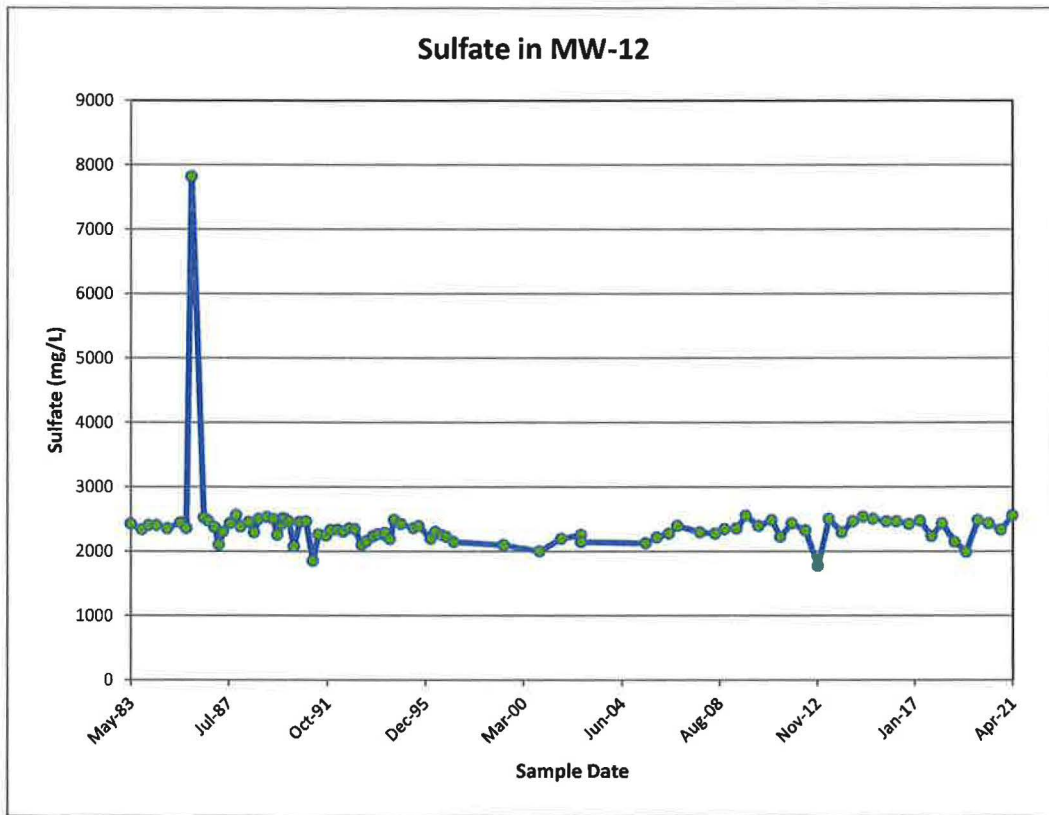
Time concentration plots for MW-11



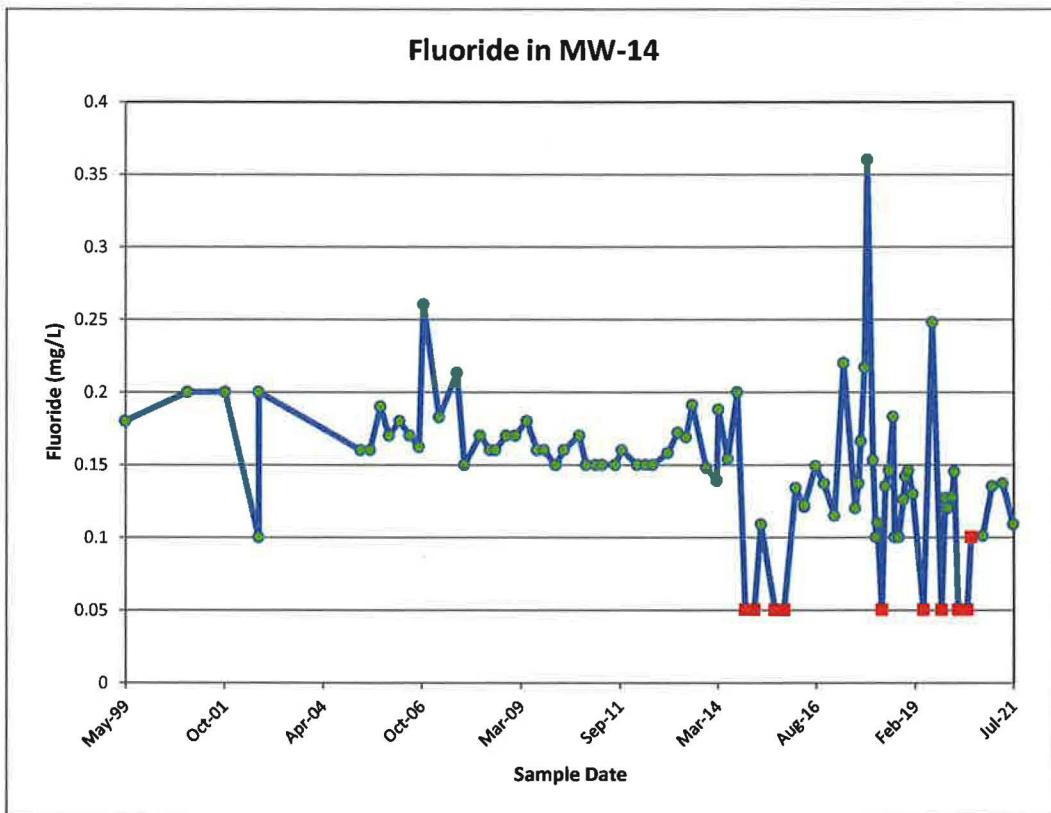
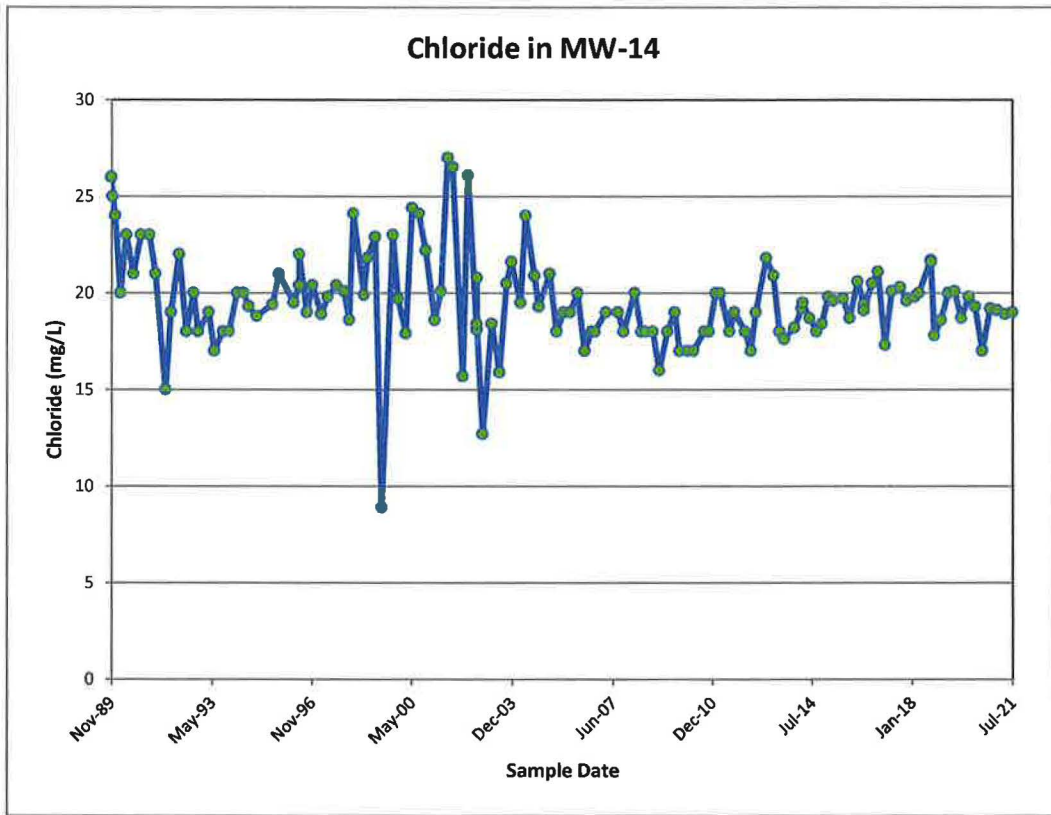
Time concentration plots for MW-12



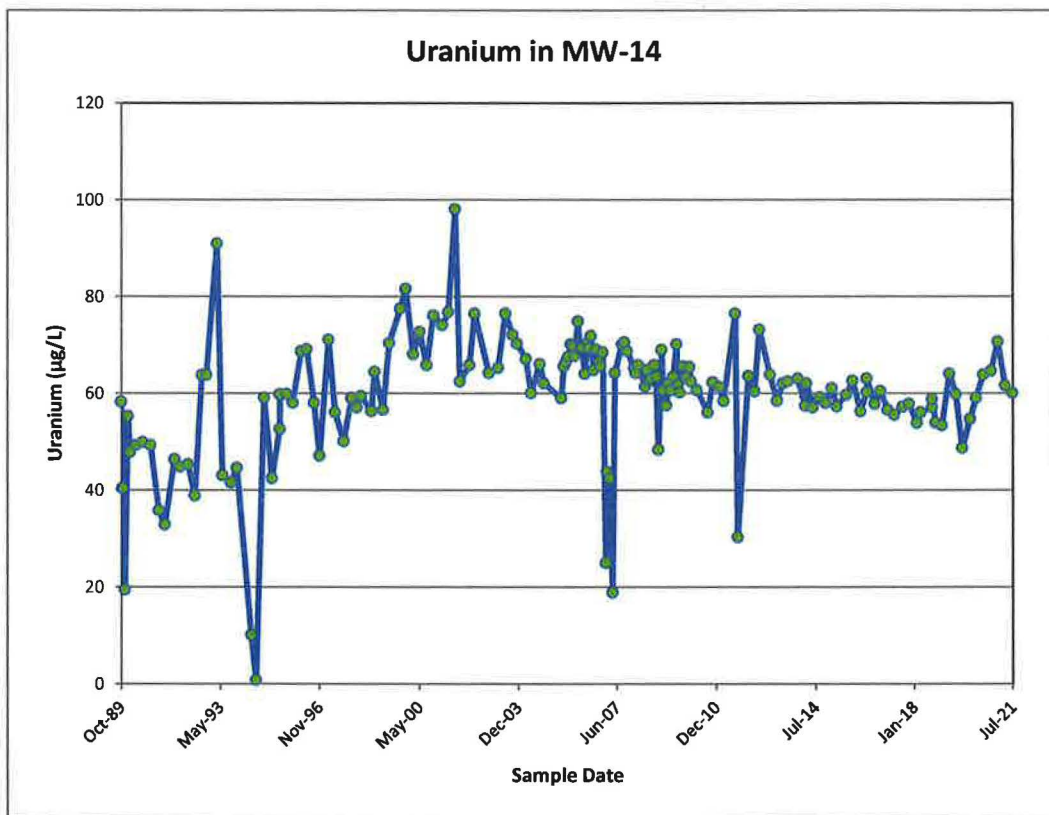
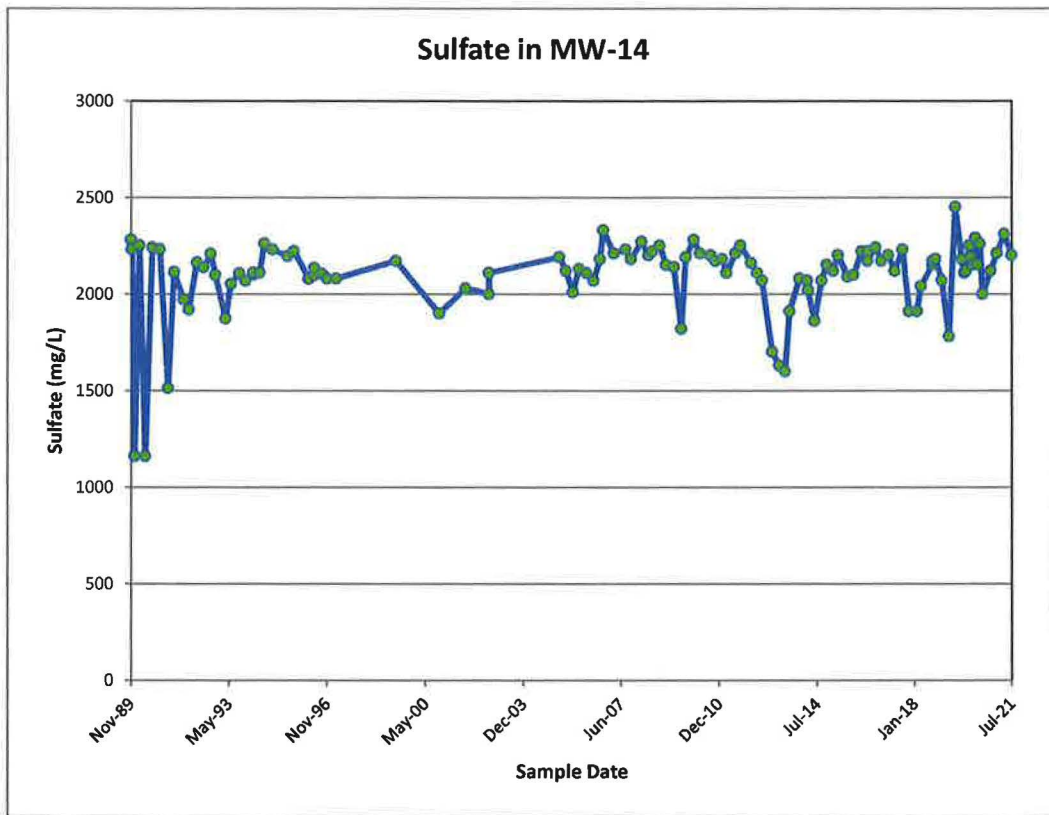
Time concentration plots for MW-12



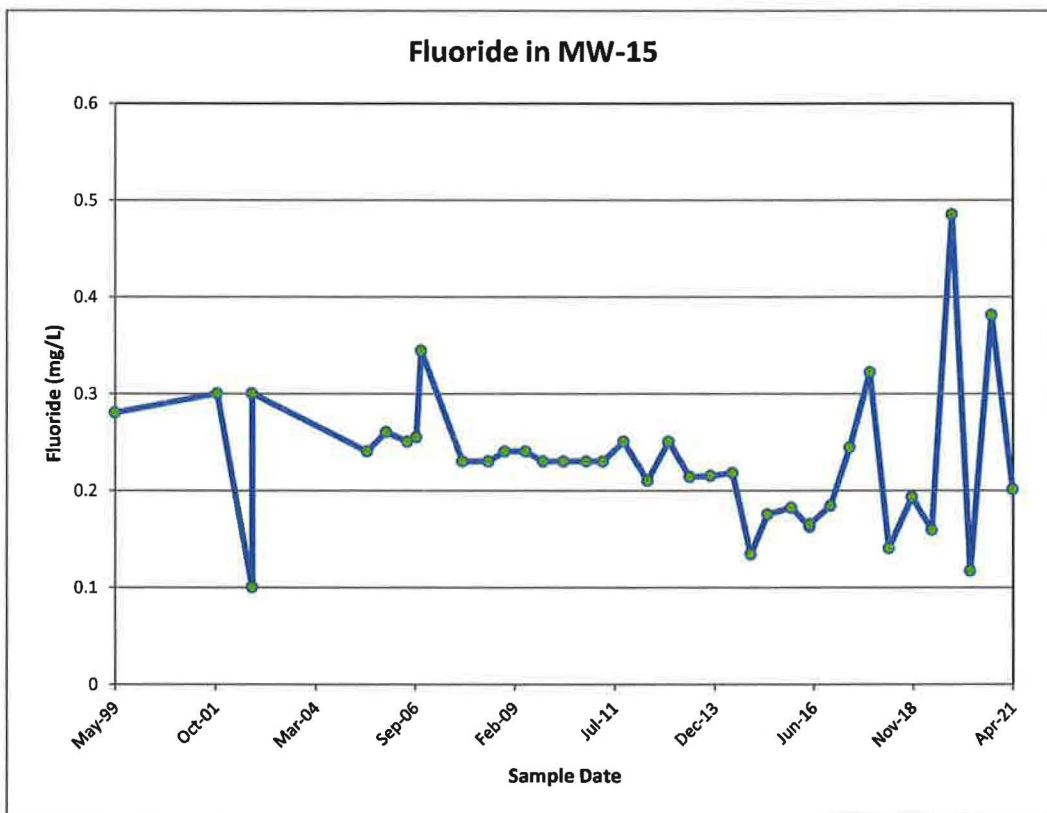
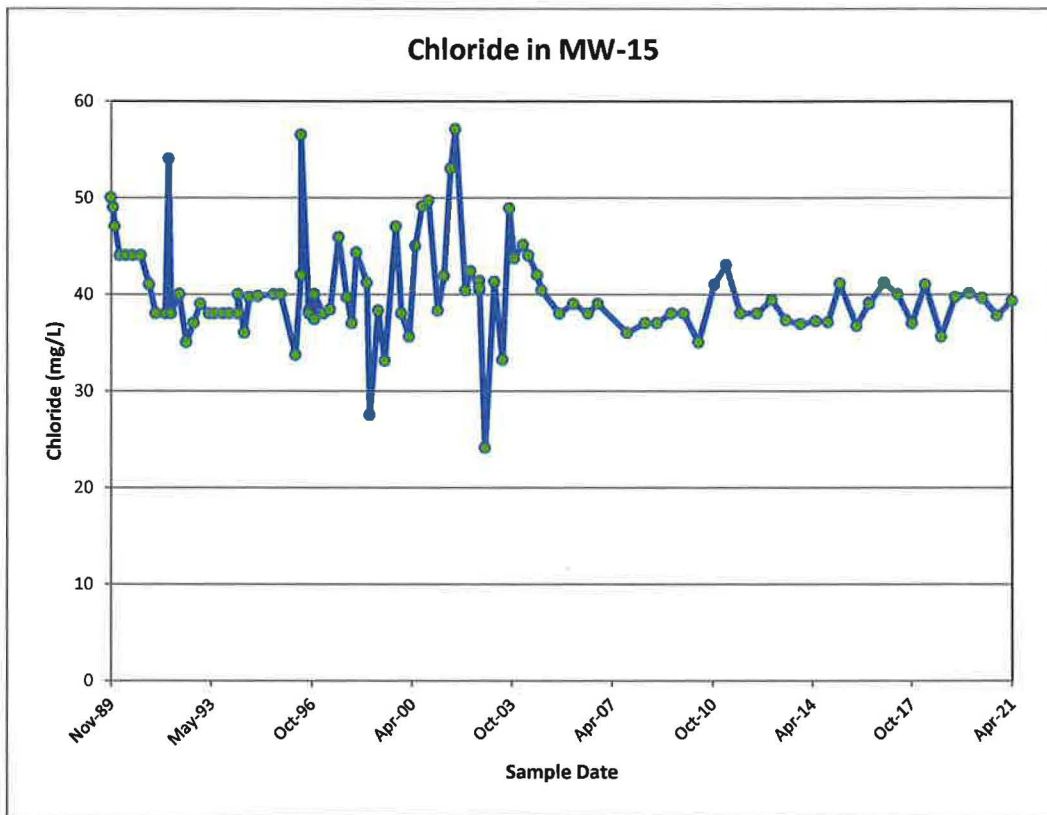
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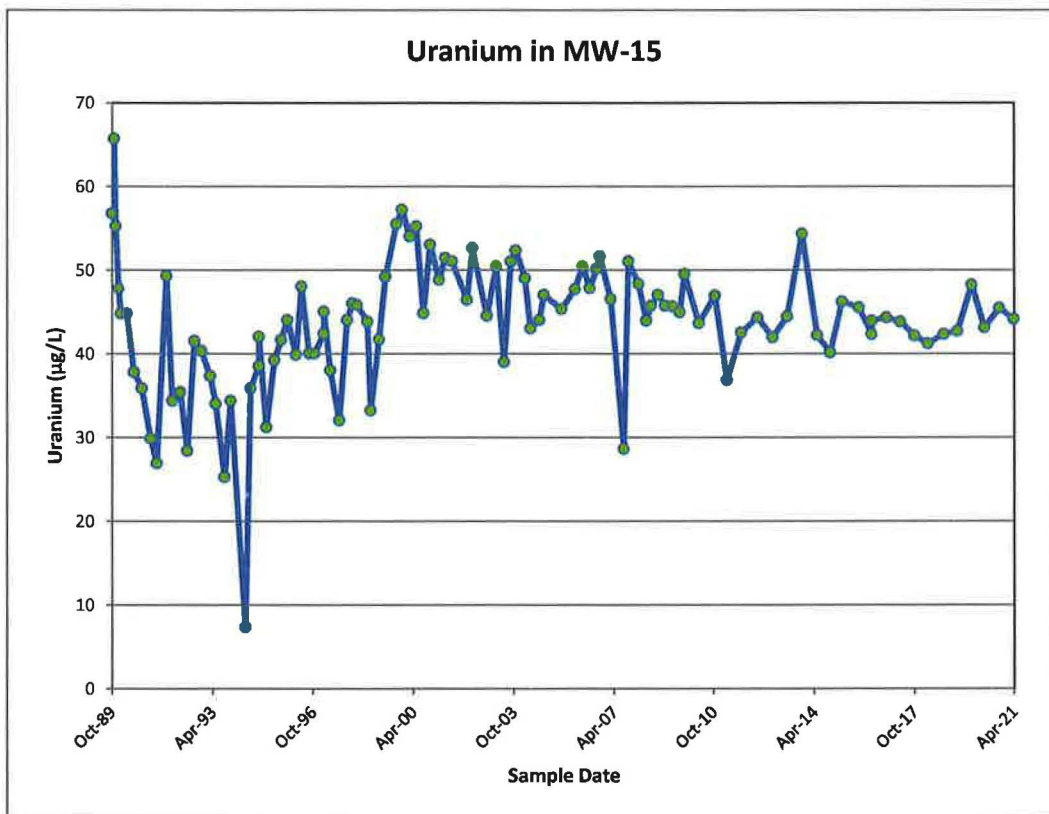
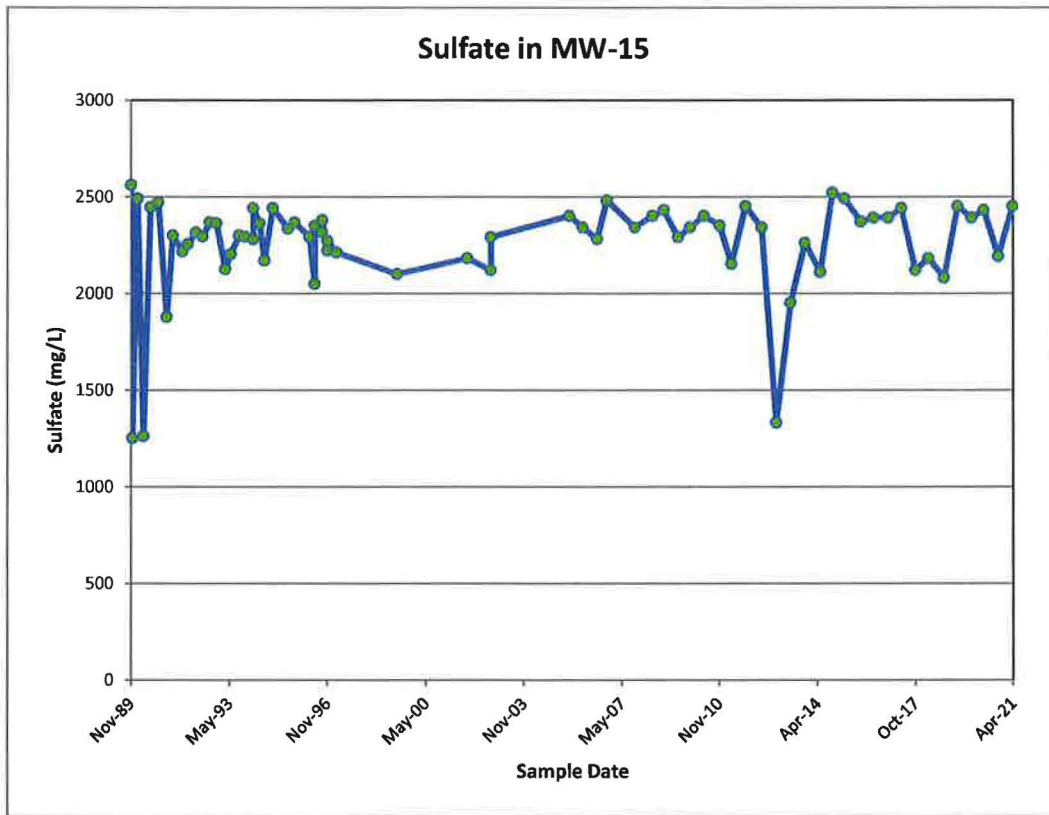
Time concentration plots for MW-14



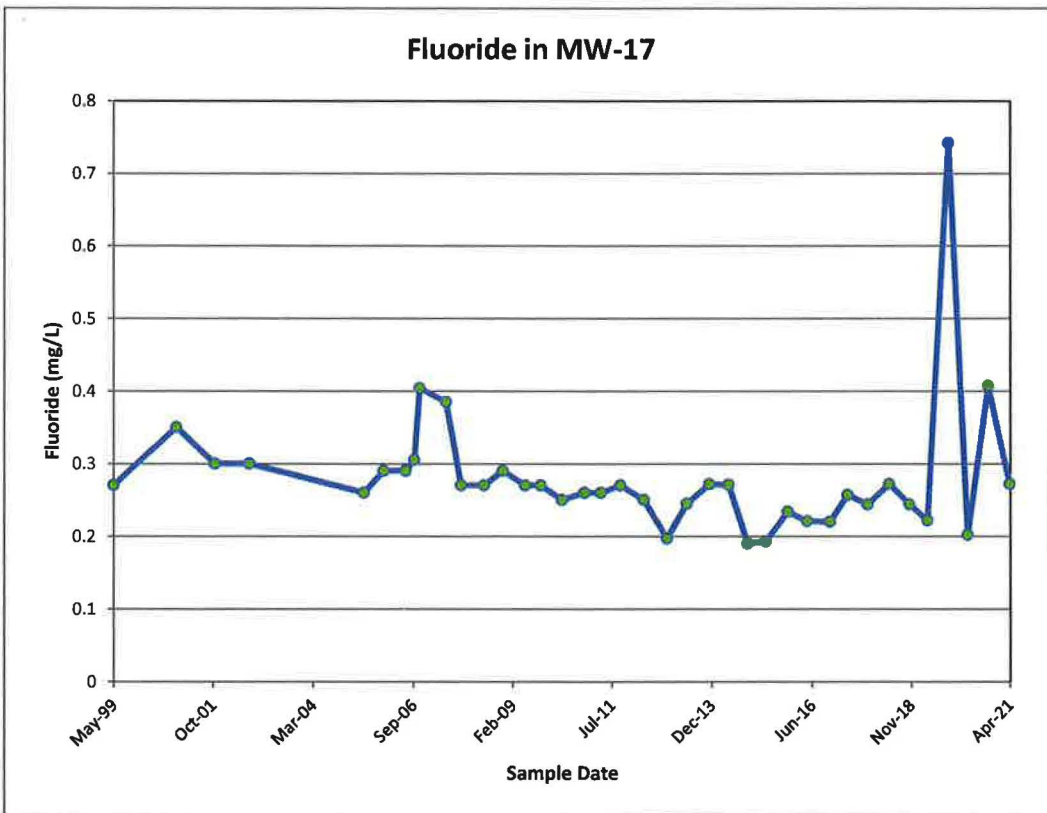
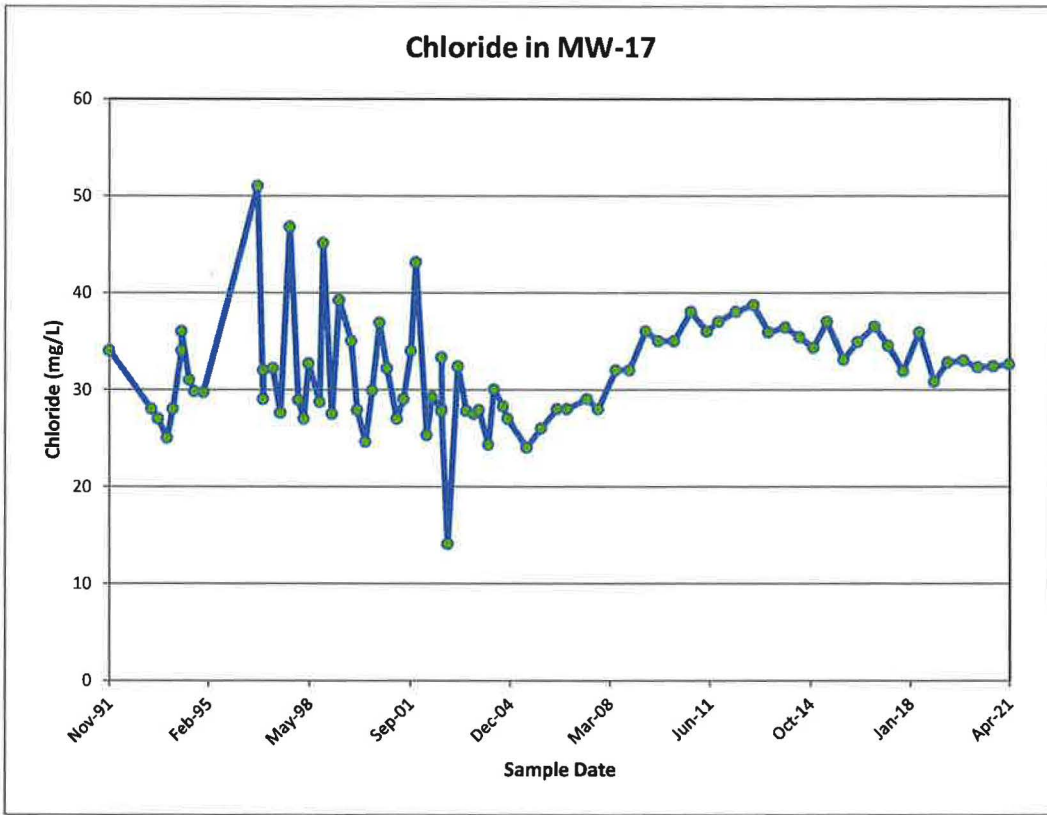
Time concentration plots for MW-15



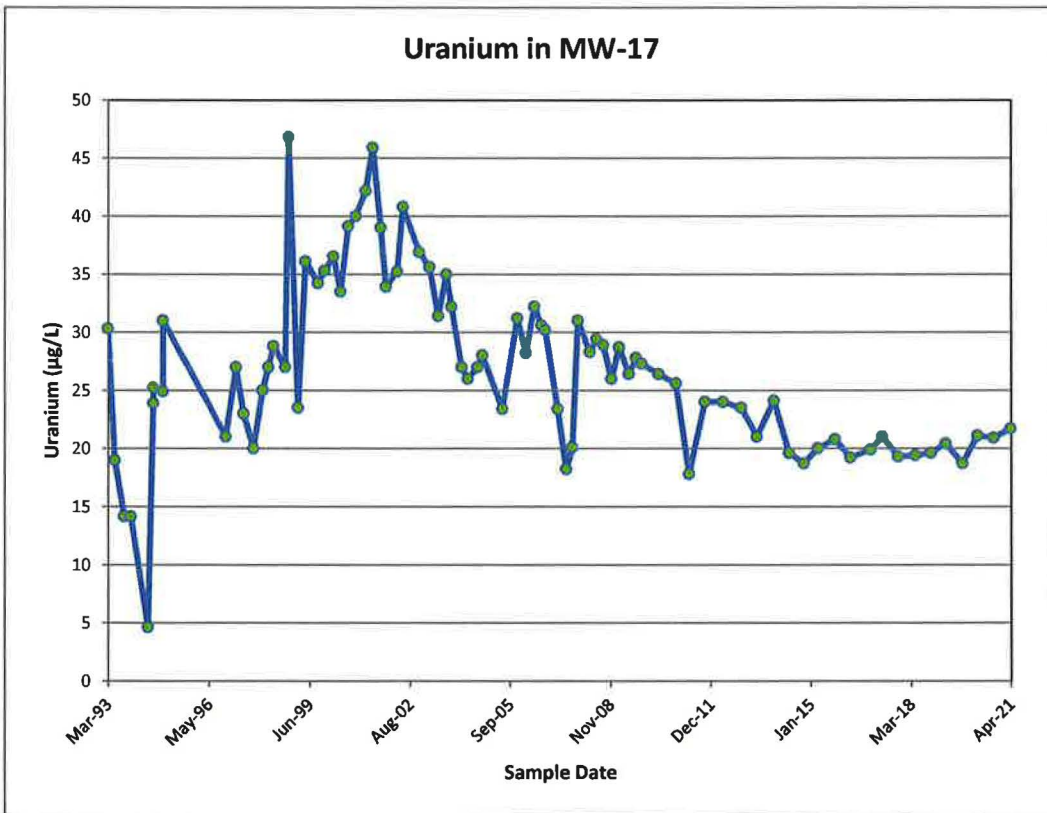
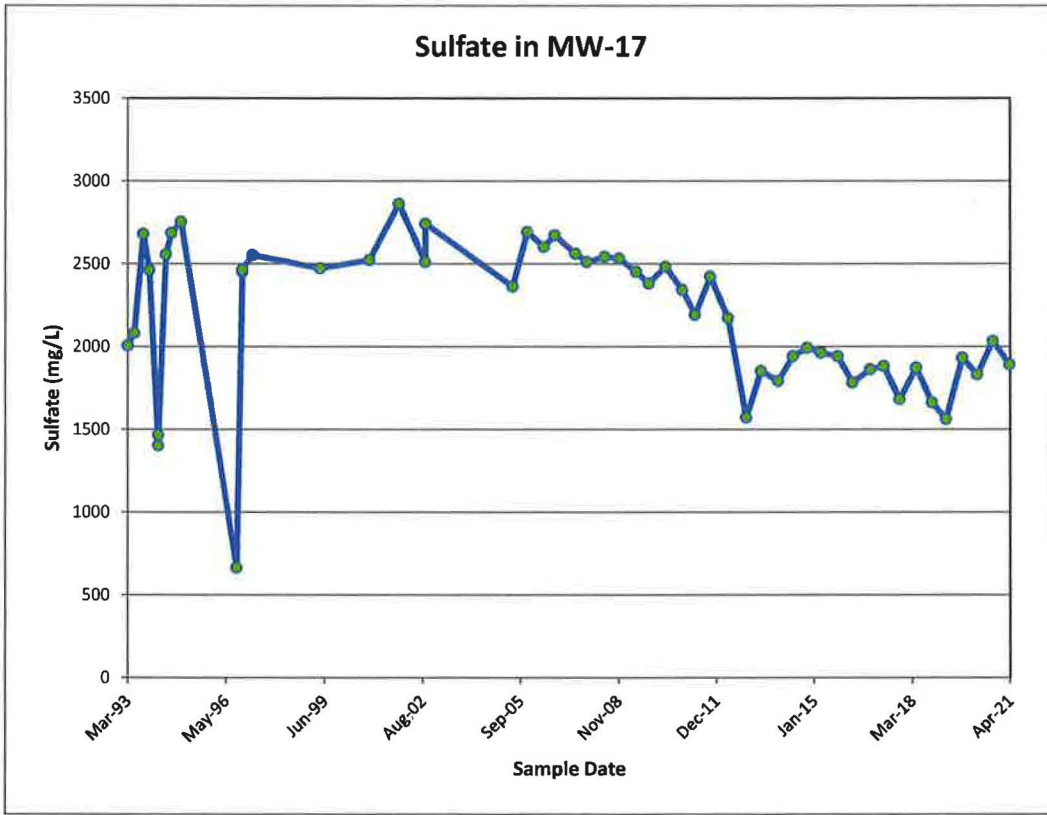
Time concentration plots for MW-15



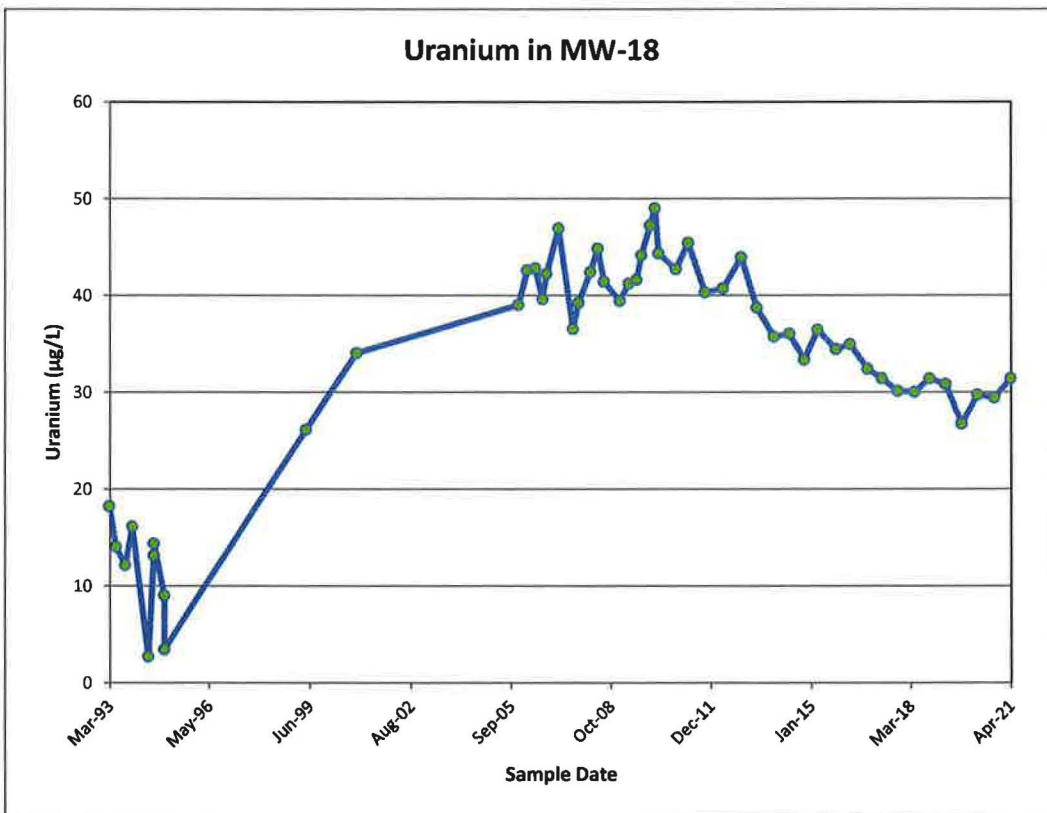
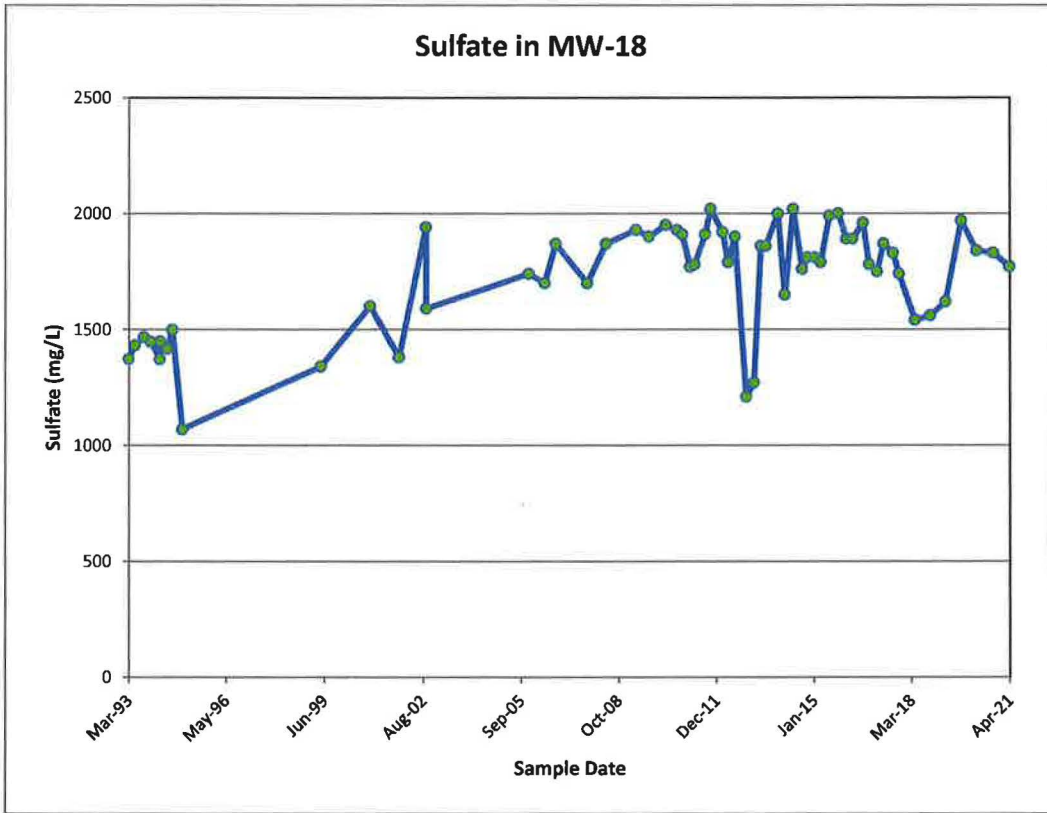
Time concentration plots for MW-17



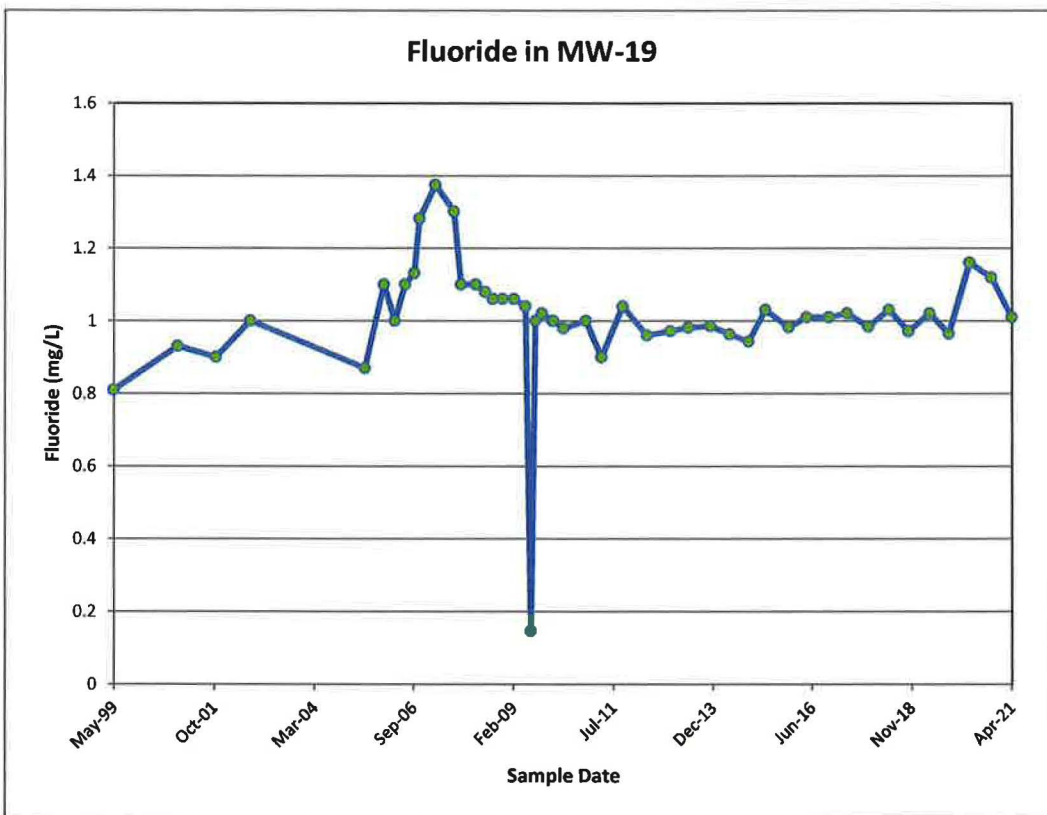
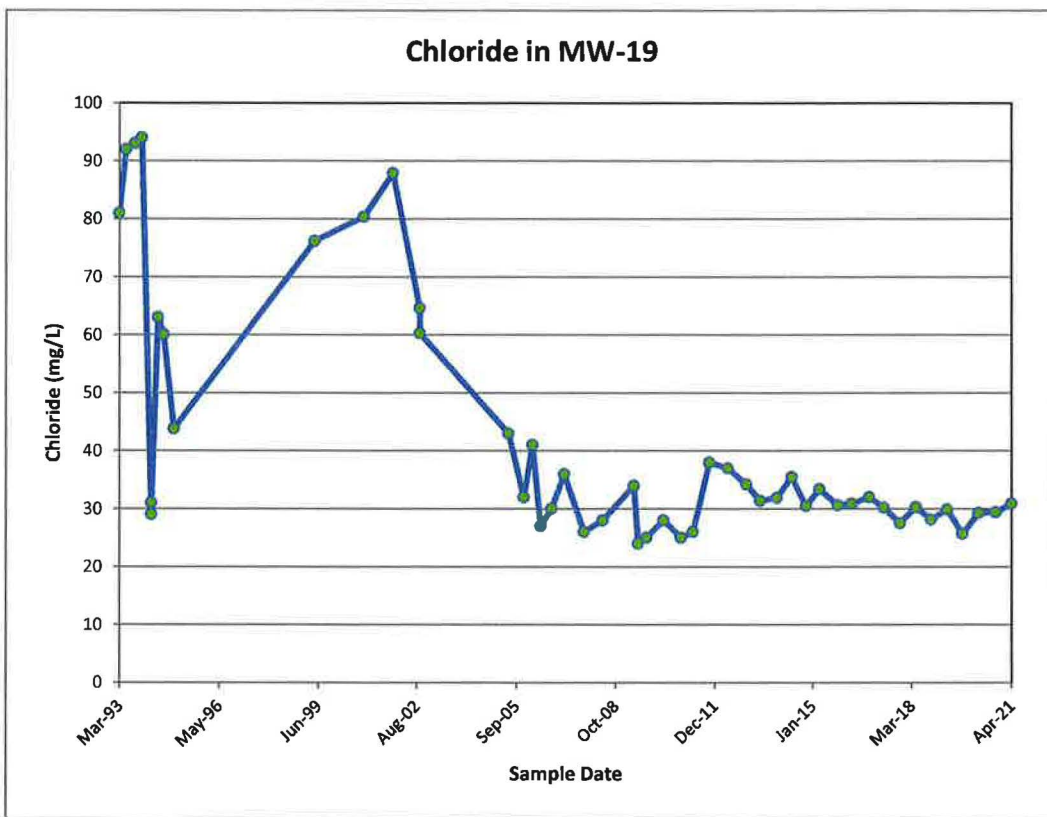
Time concentration plots for MW-17



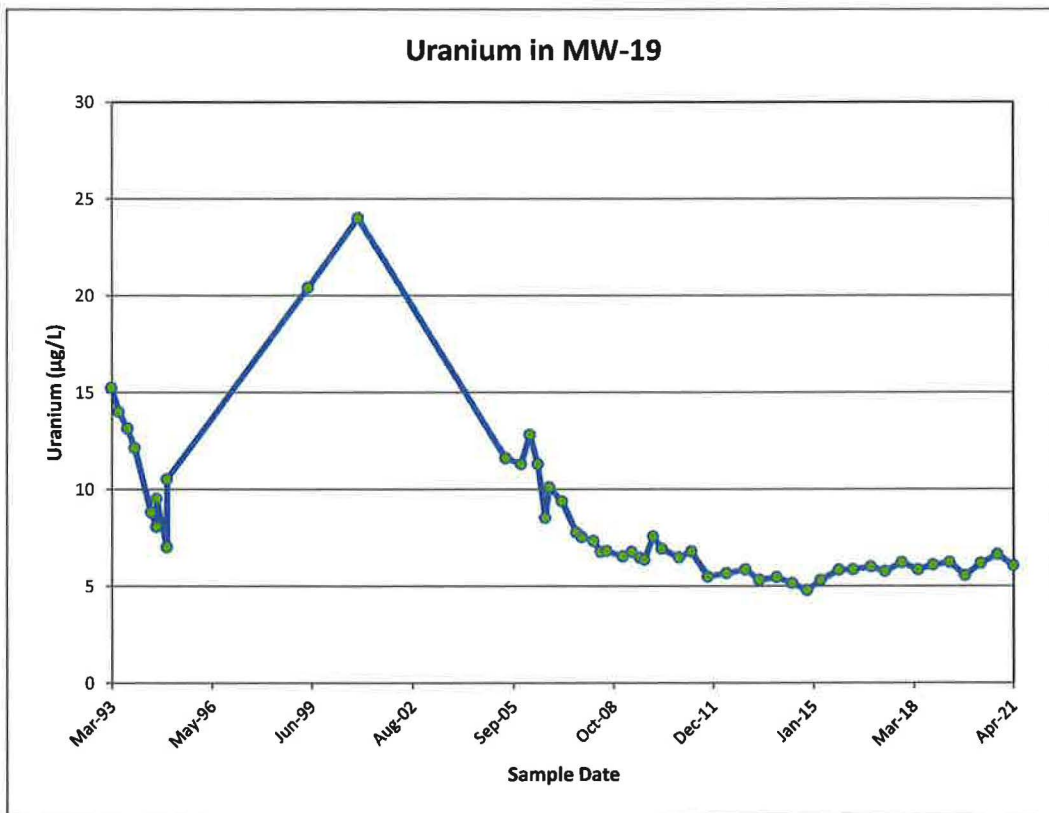
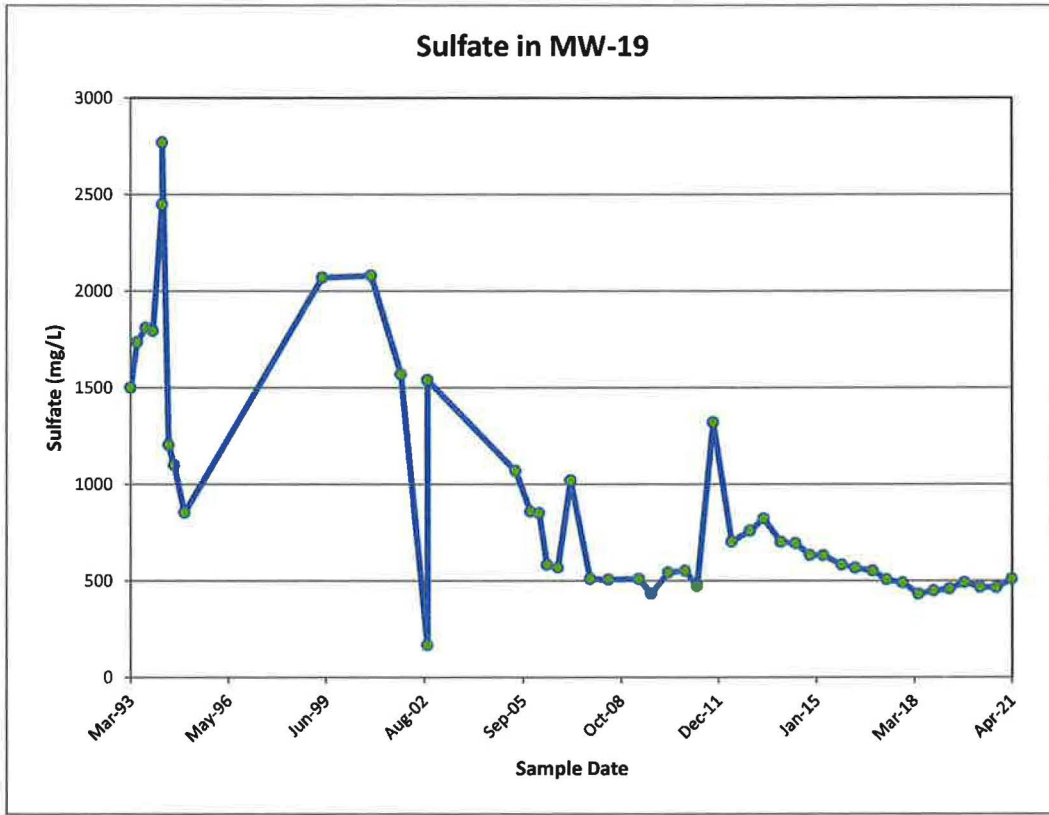
Time concentration plots for MW-18



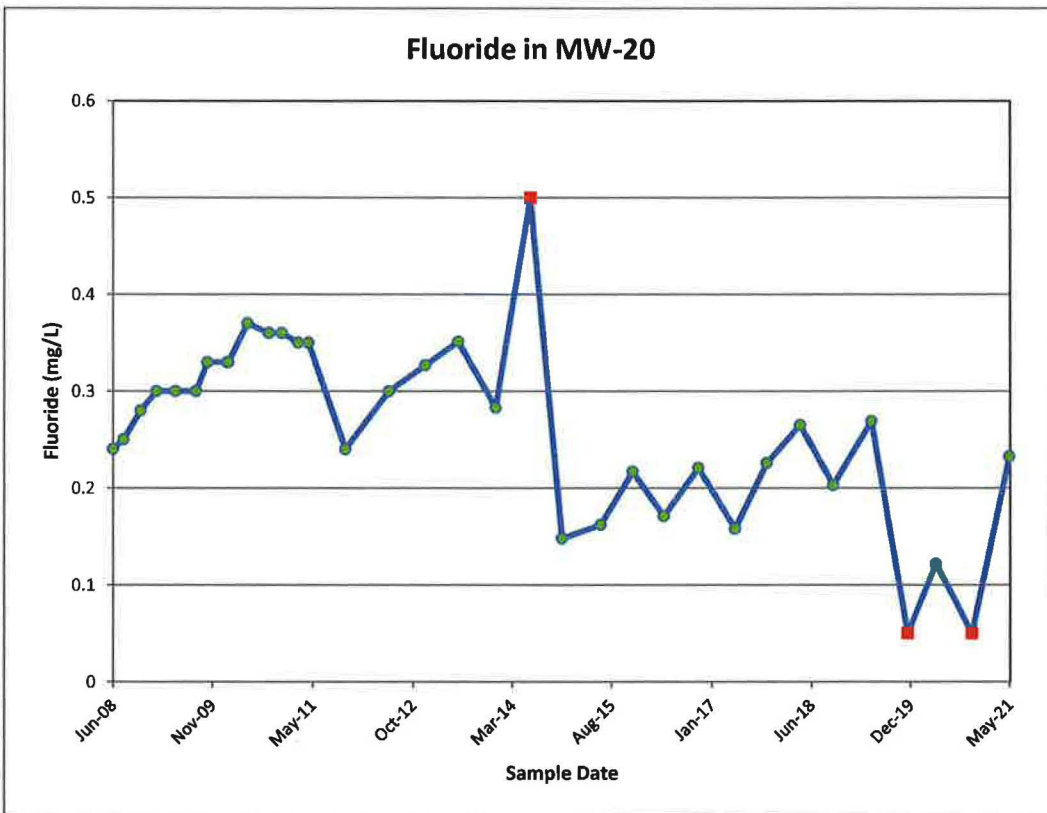
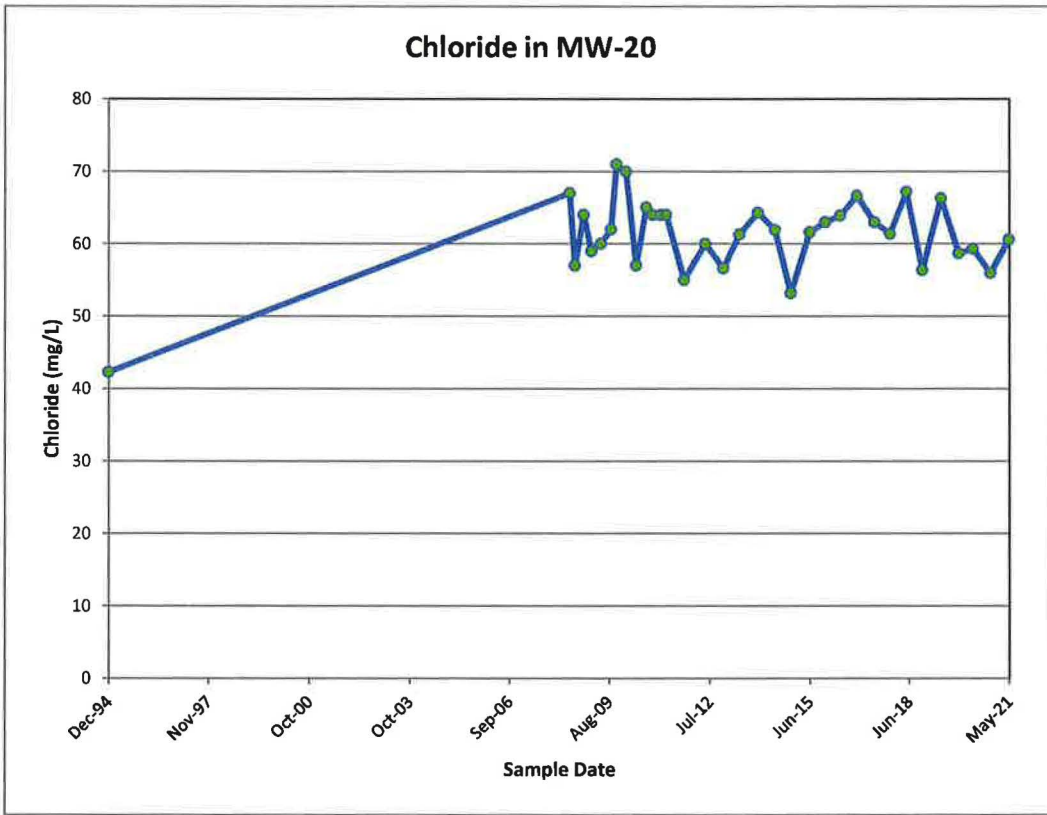
Time concentration plots for MW-19



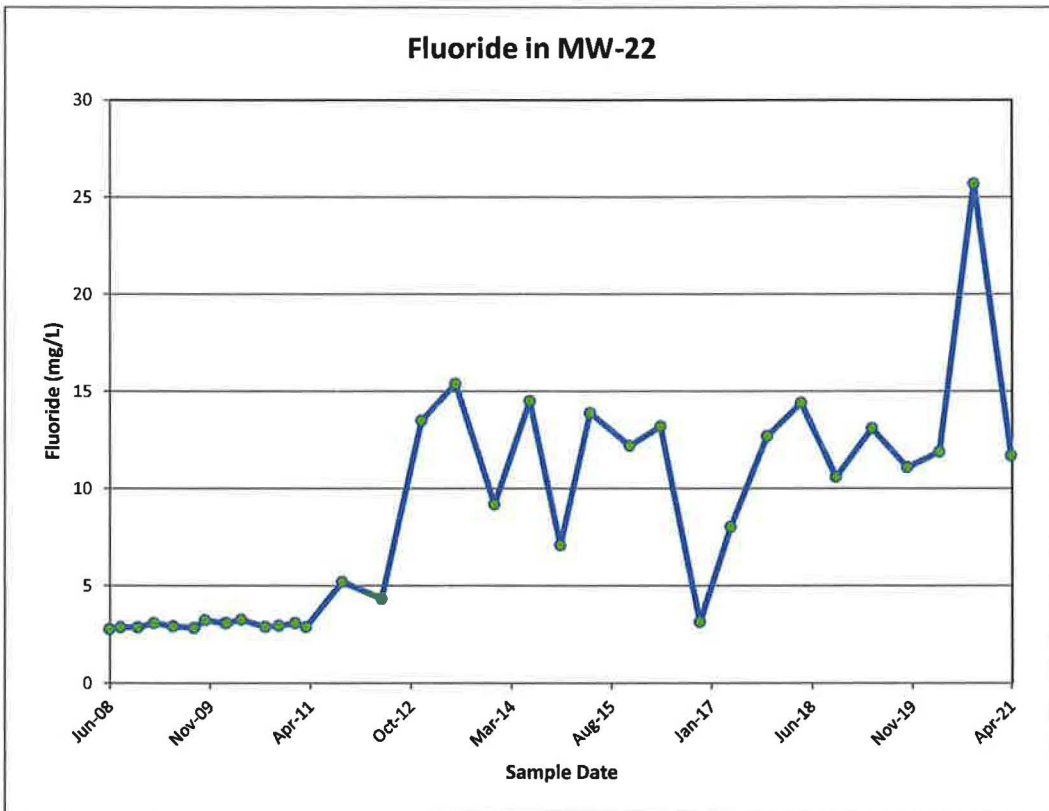
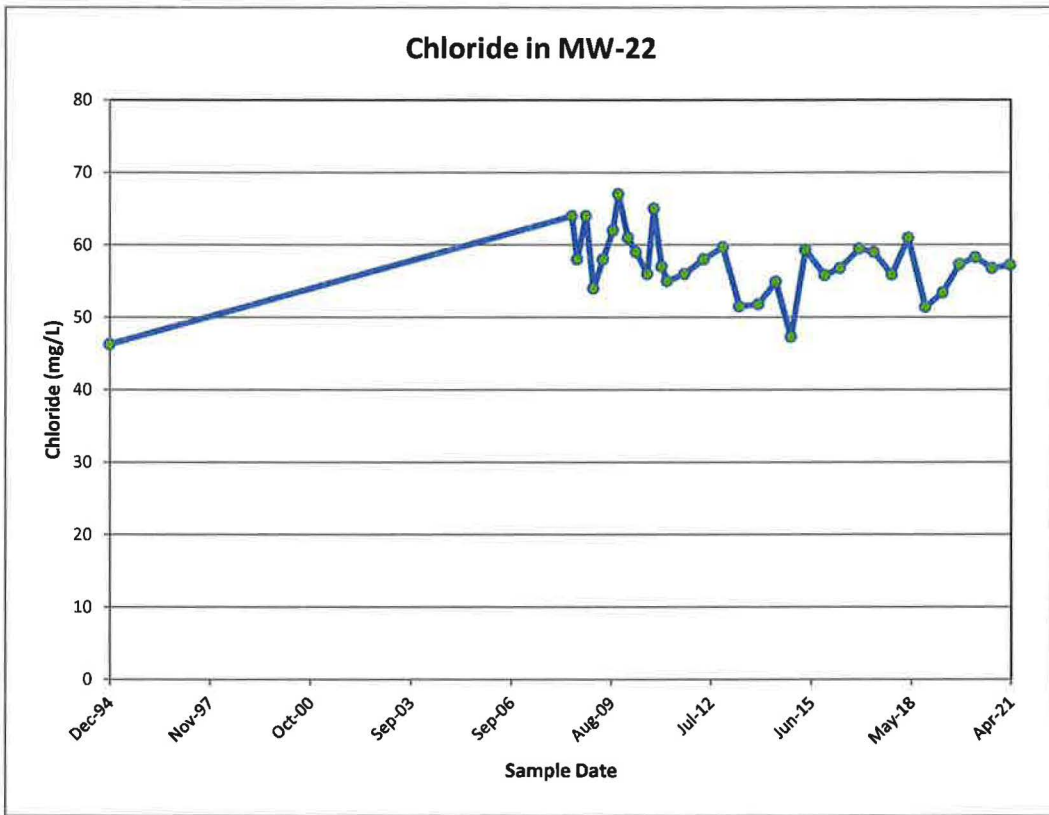
Time concentration plots for MW-19



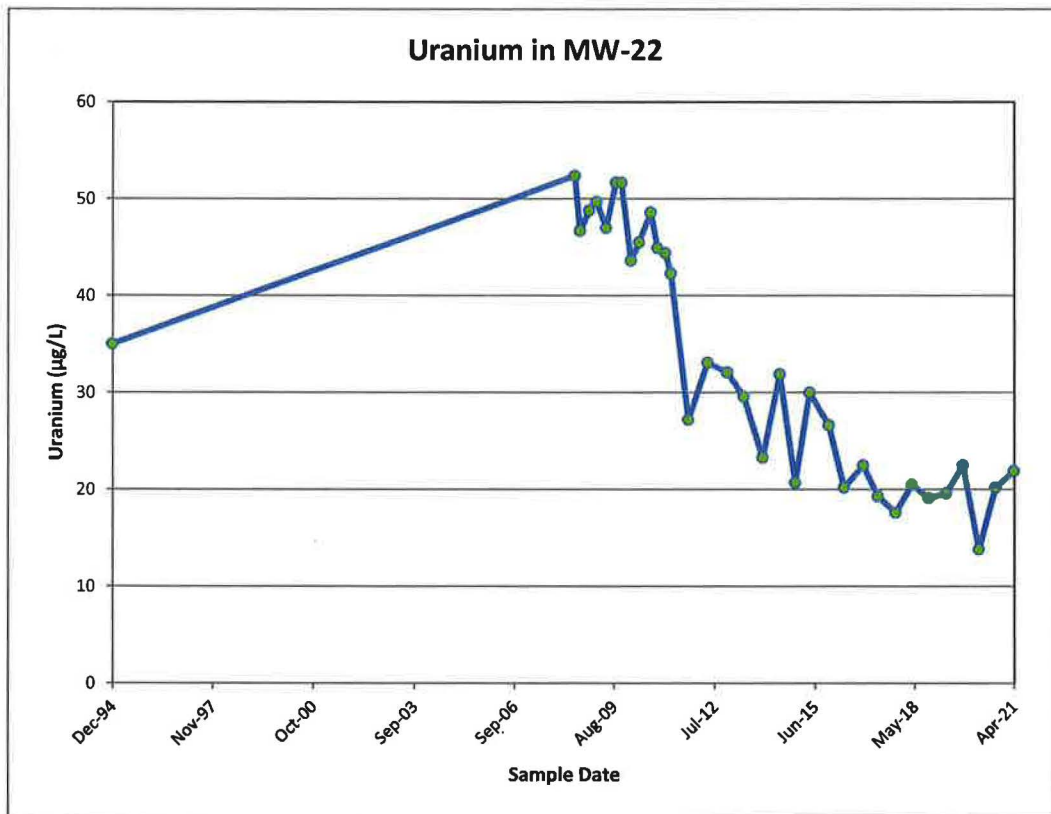
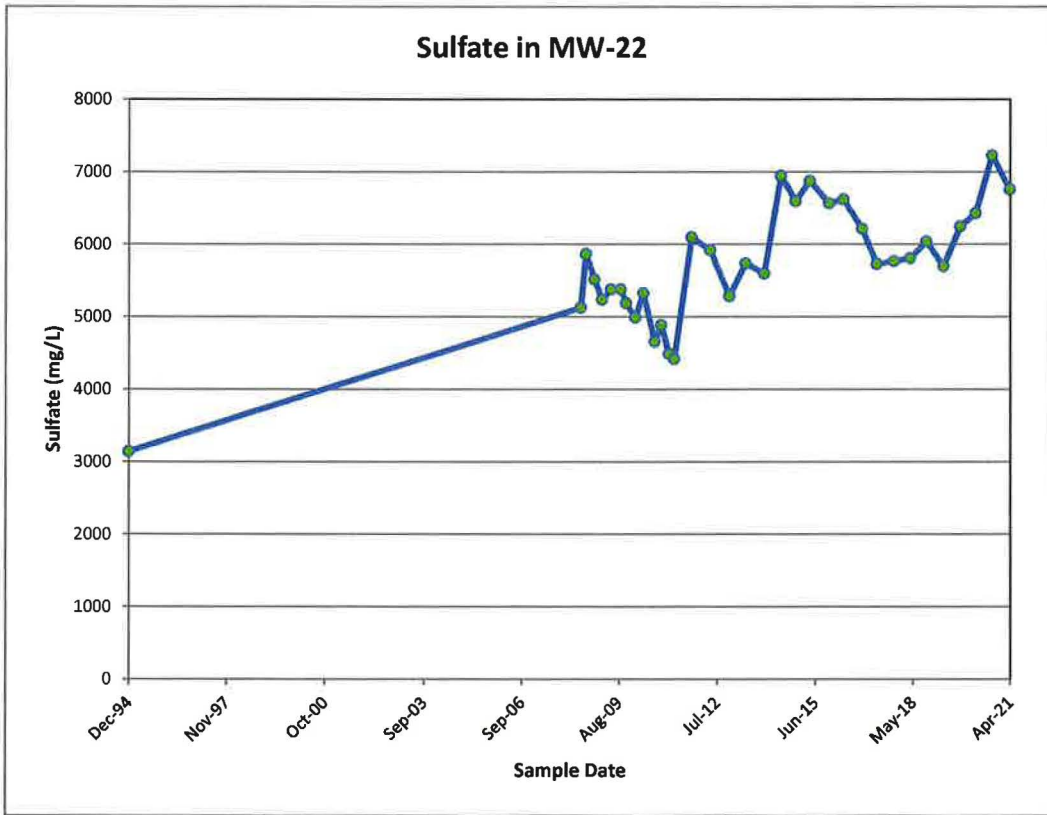
Time concentration plots for MW-20



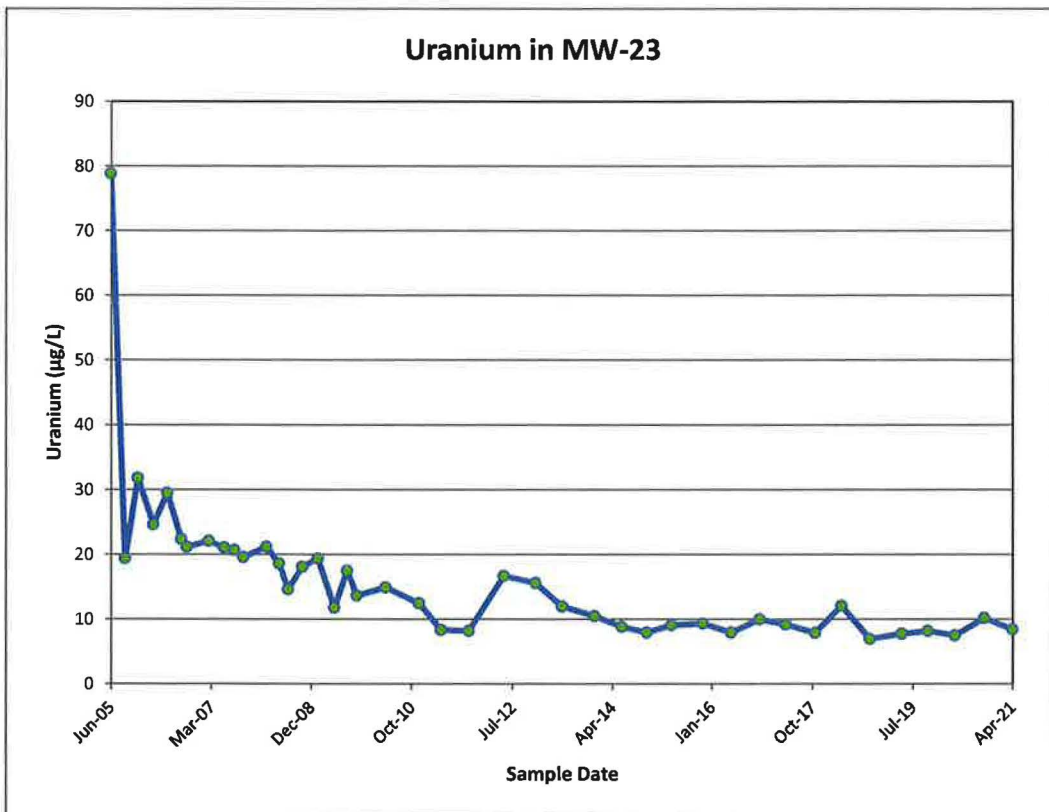
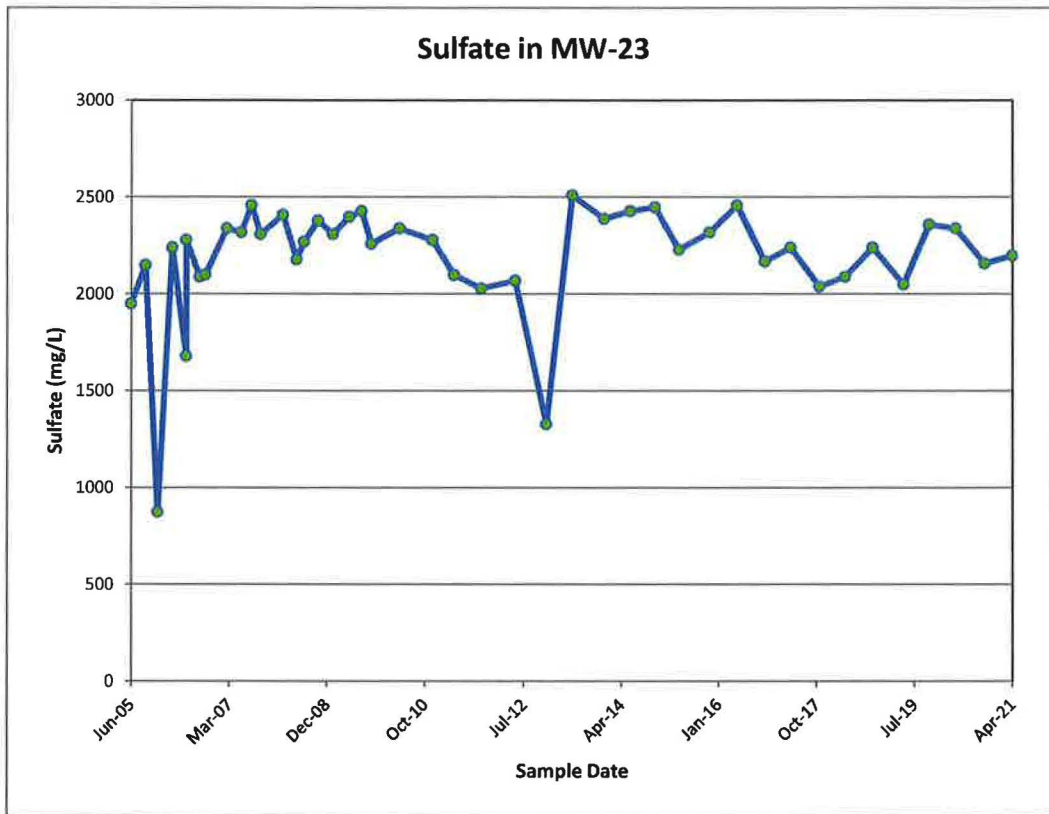
Time concentration plots for MW-22



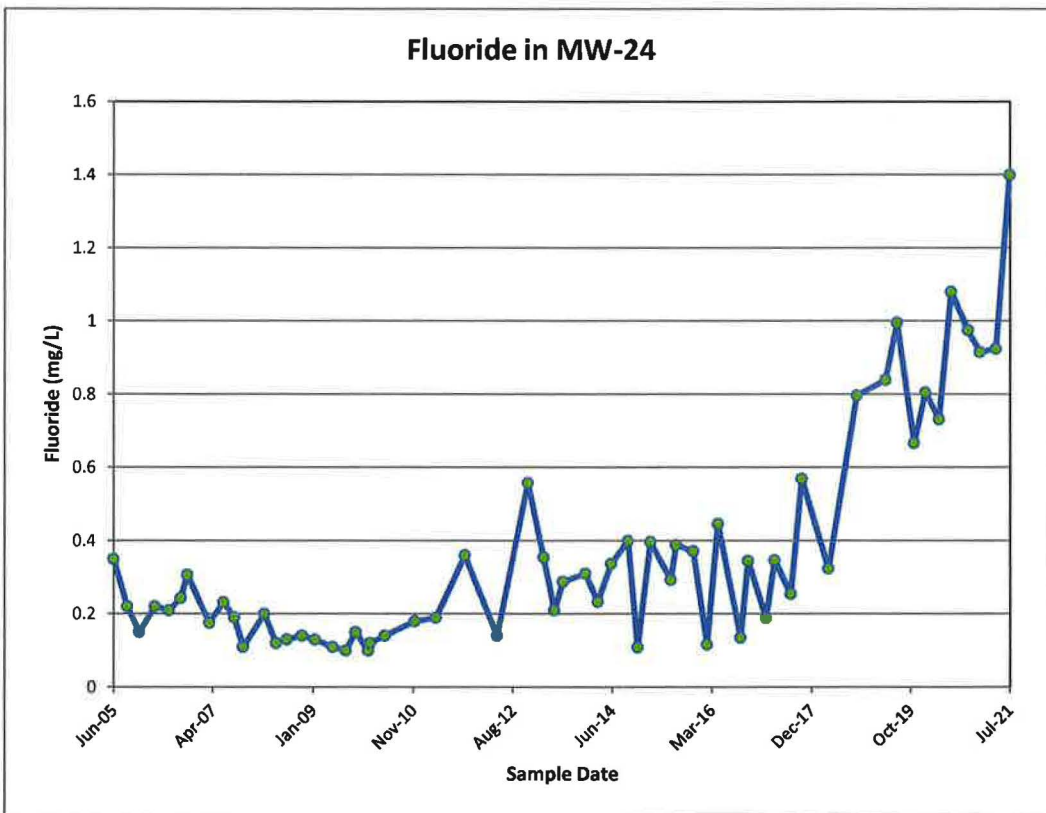
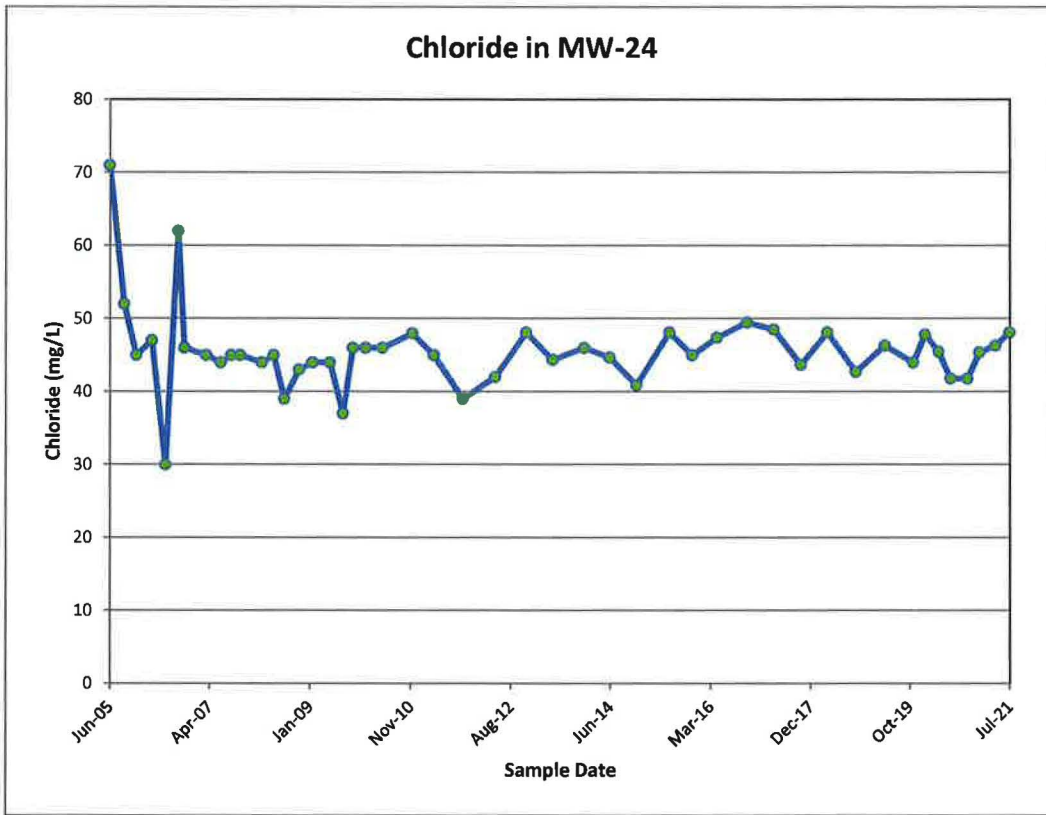
Time concentration plots for MW-22



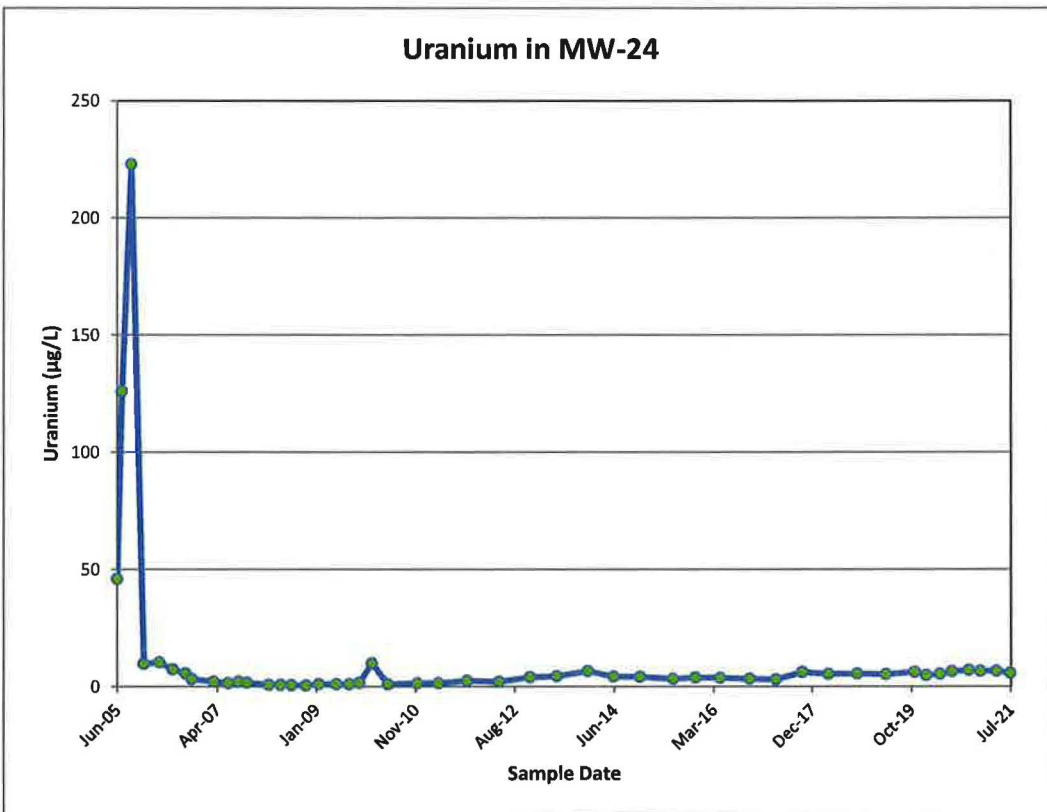
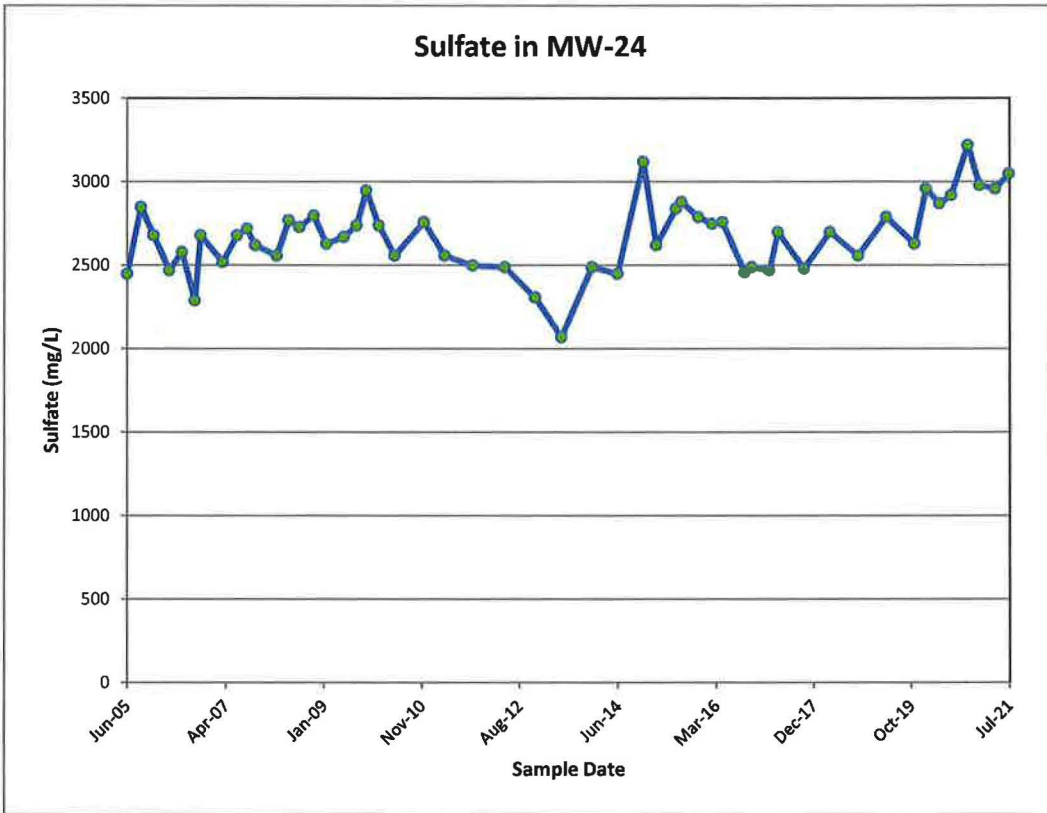
Time concentration plots for MW-23



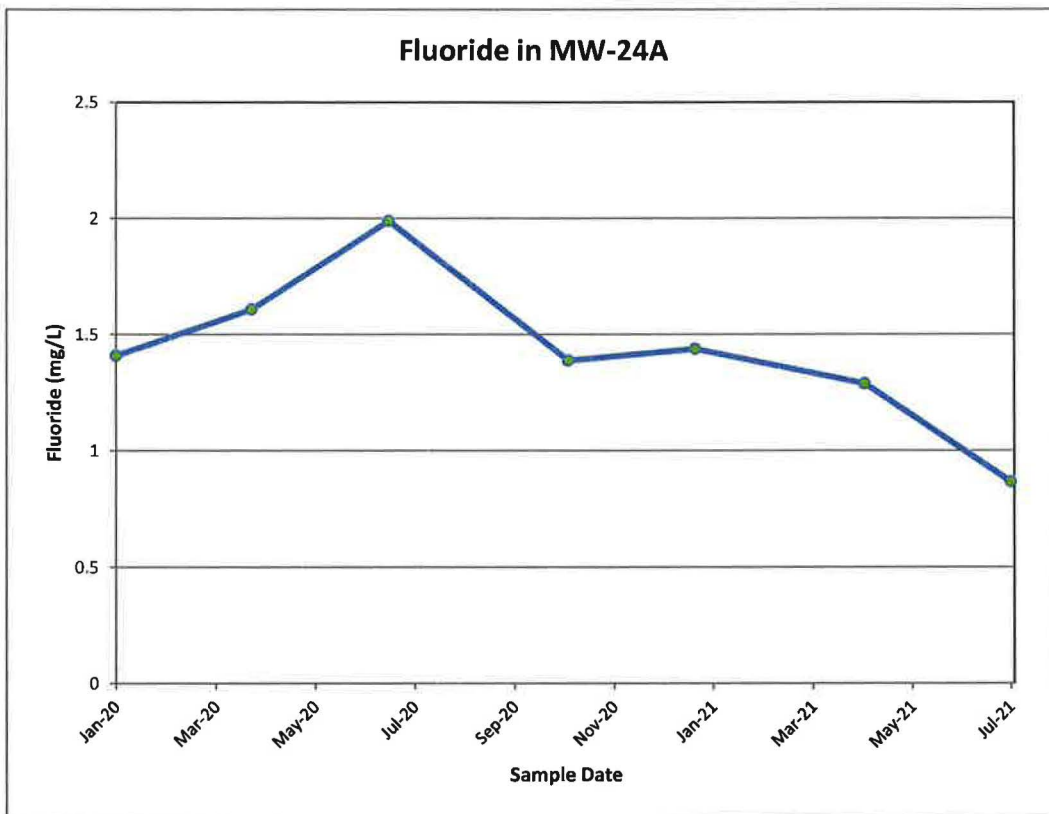
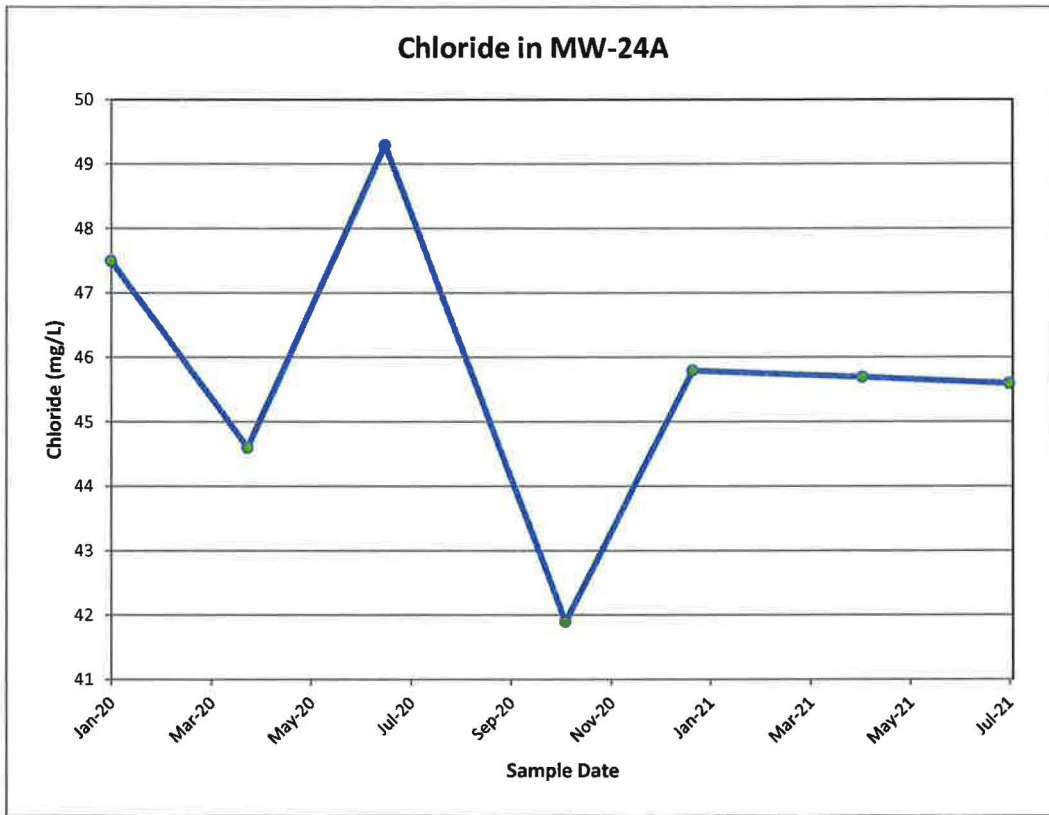
Time concentration plots for MW-24



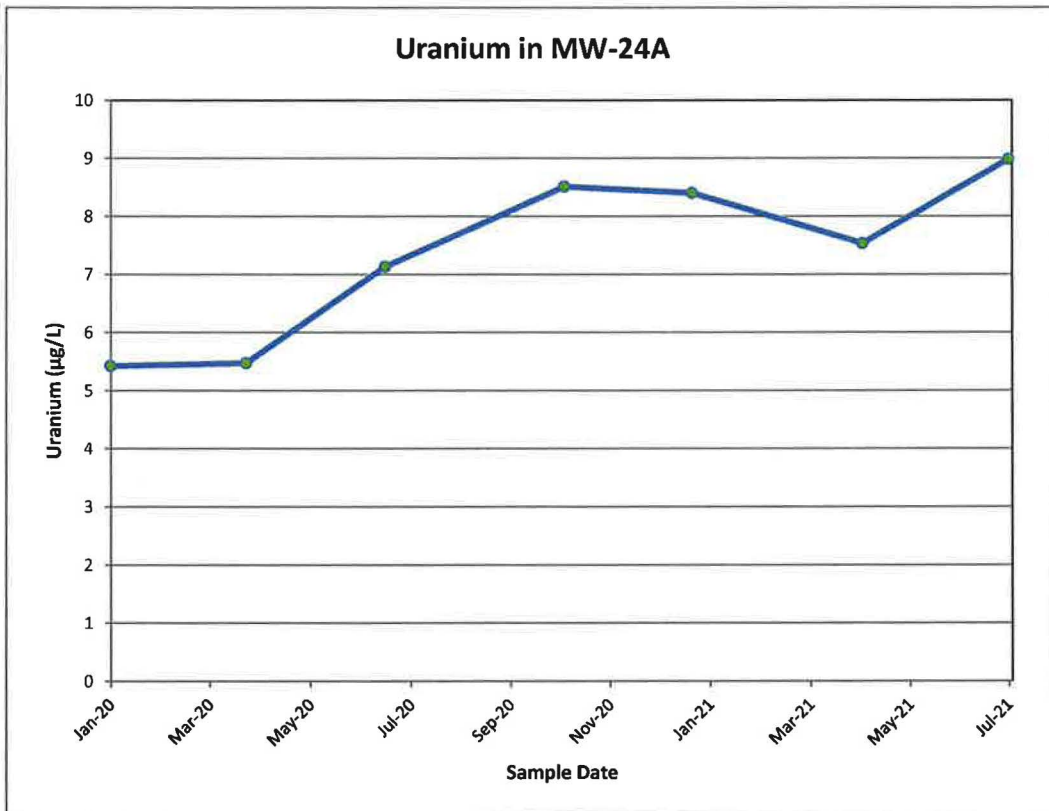
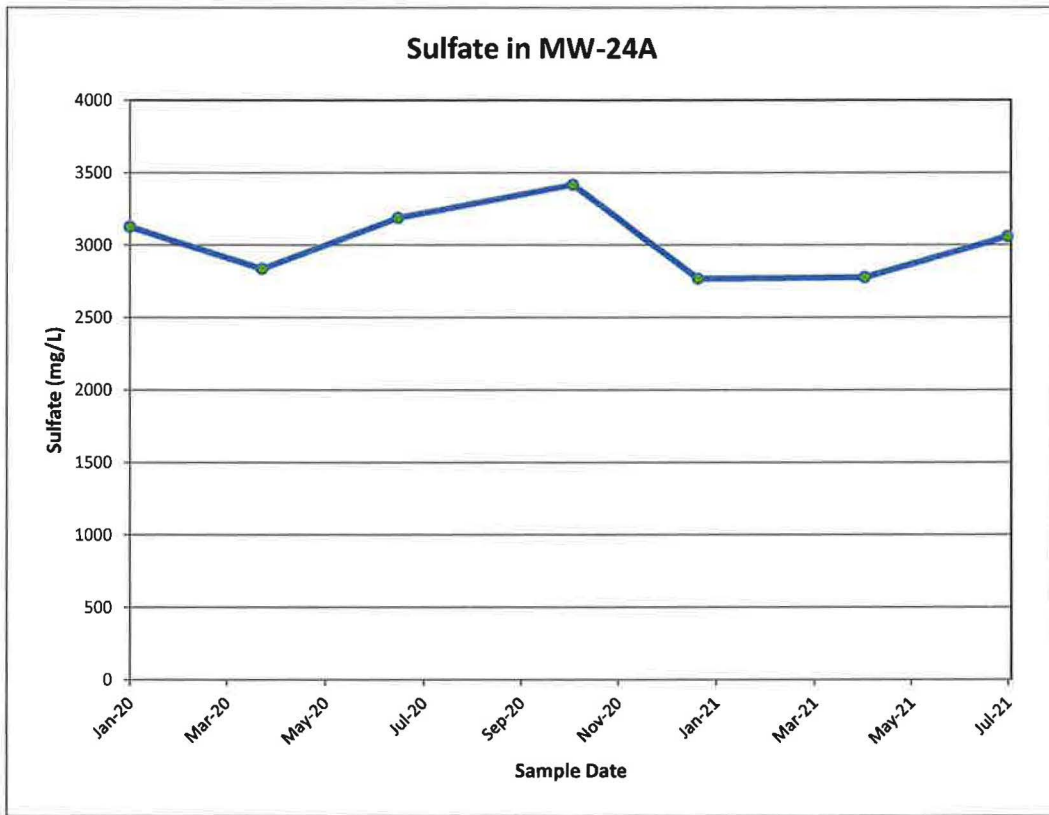
Time concentration plots for MW-24



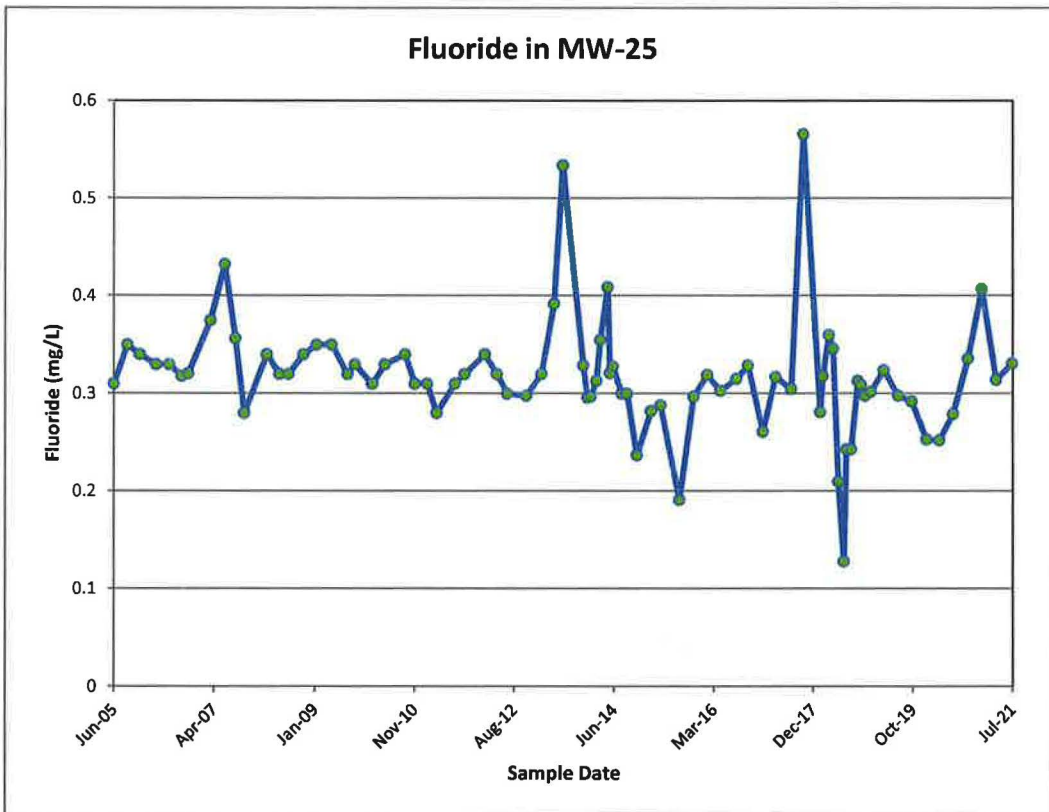
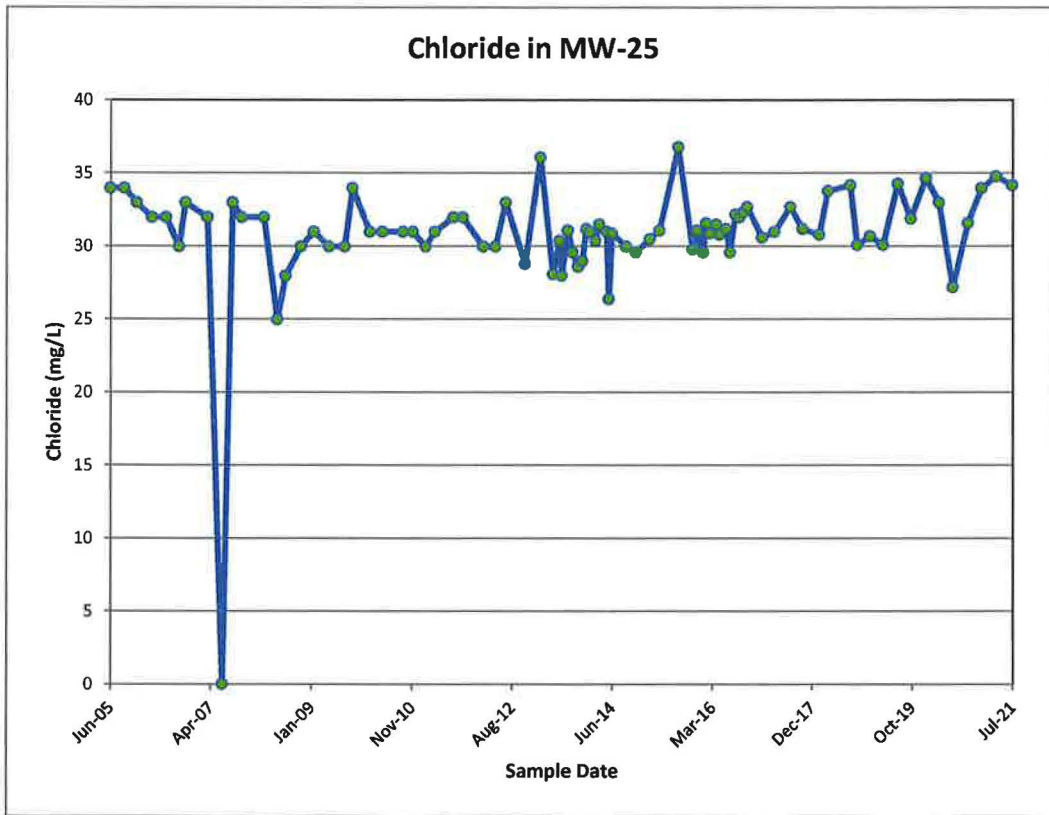
Time concentration plots for MW-24A



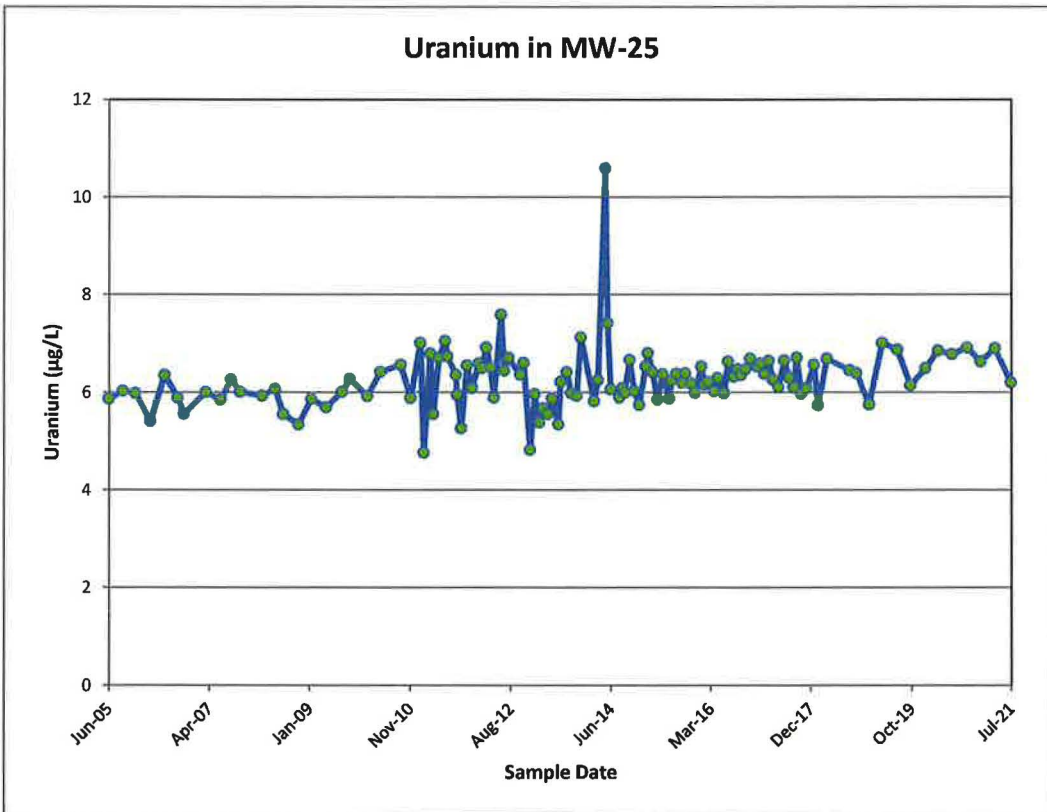
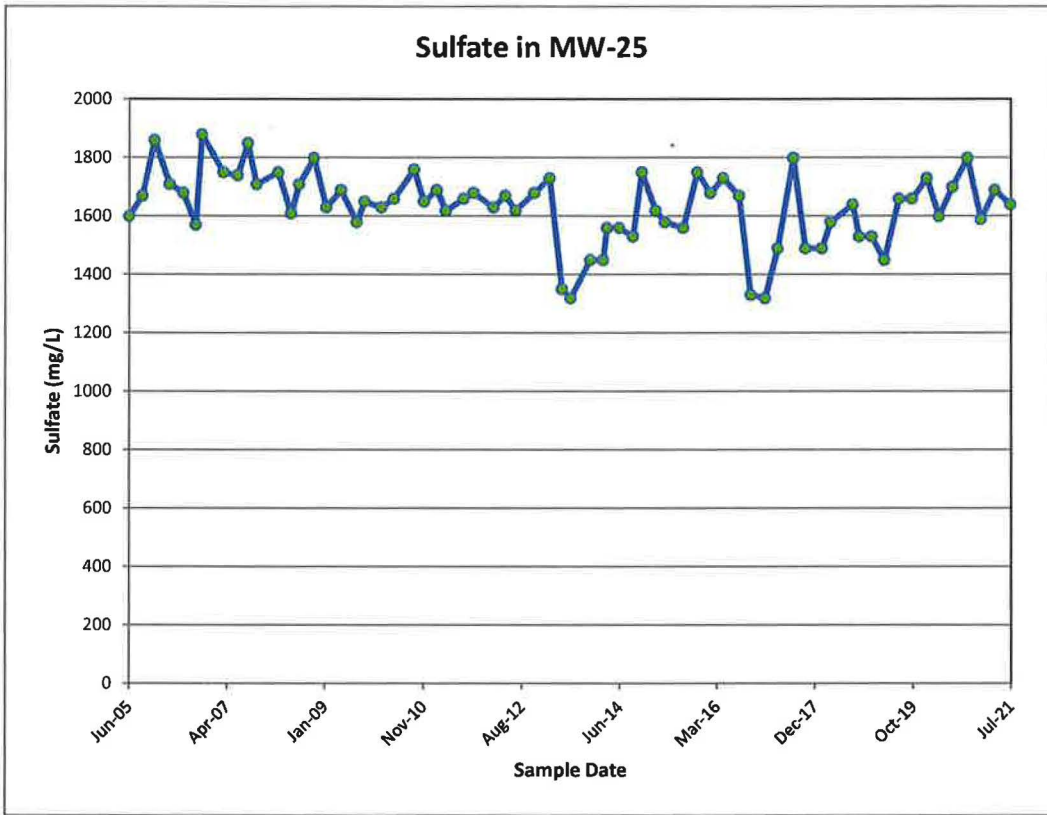
Time concentration plots for MW-24A



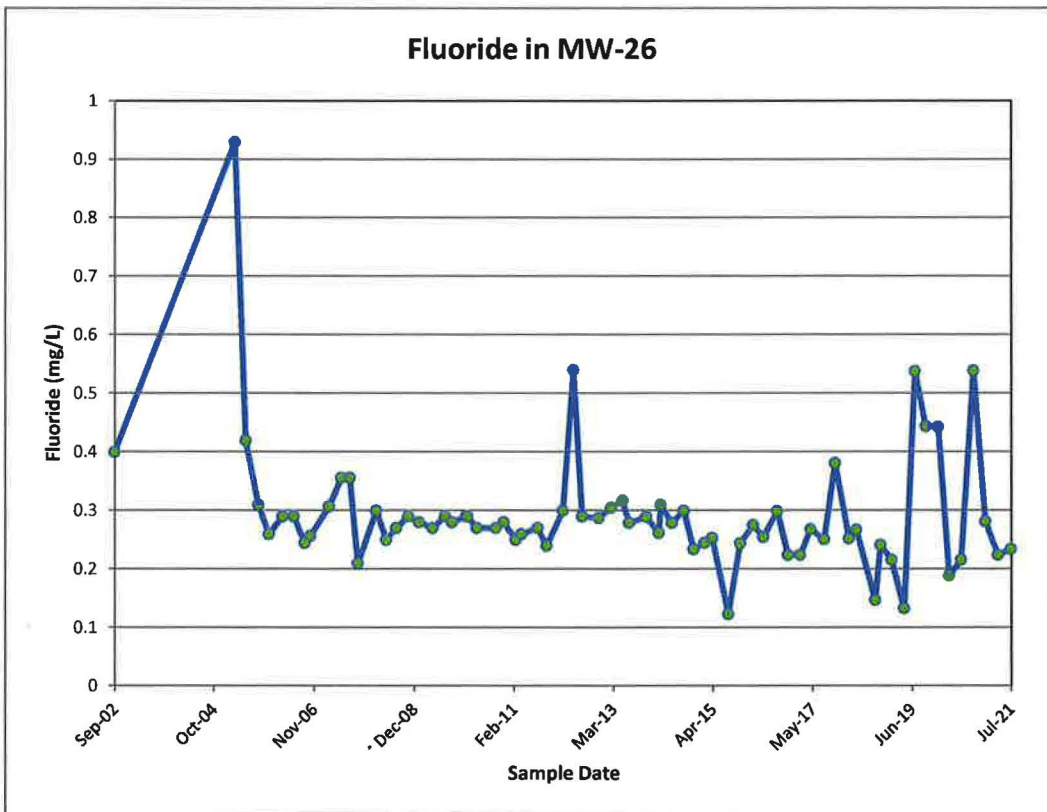
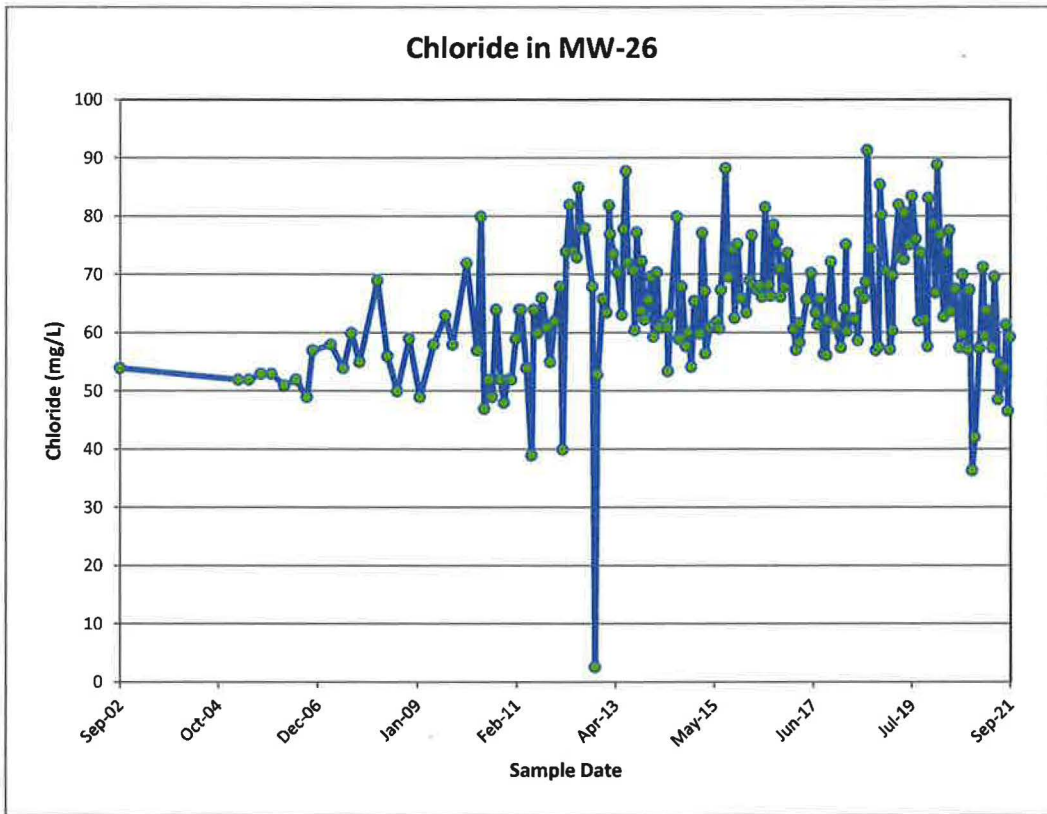
Time concentration plots for MW-25



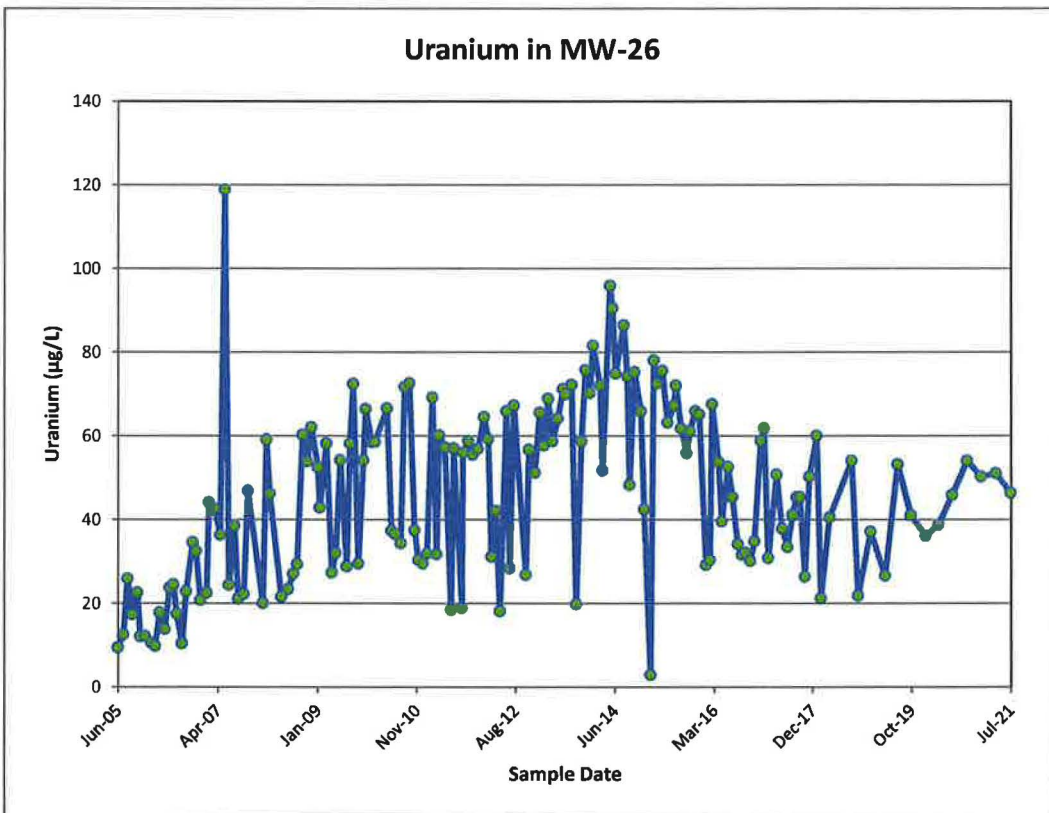
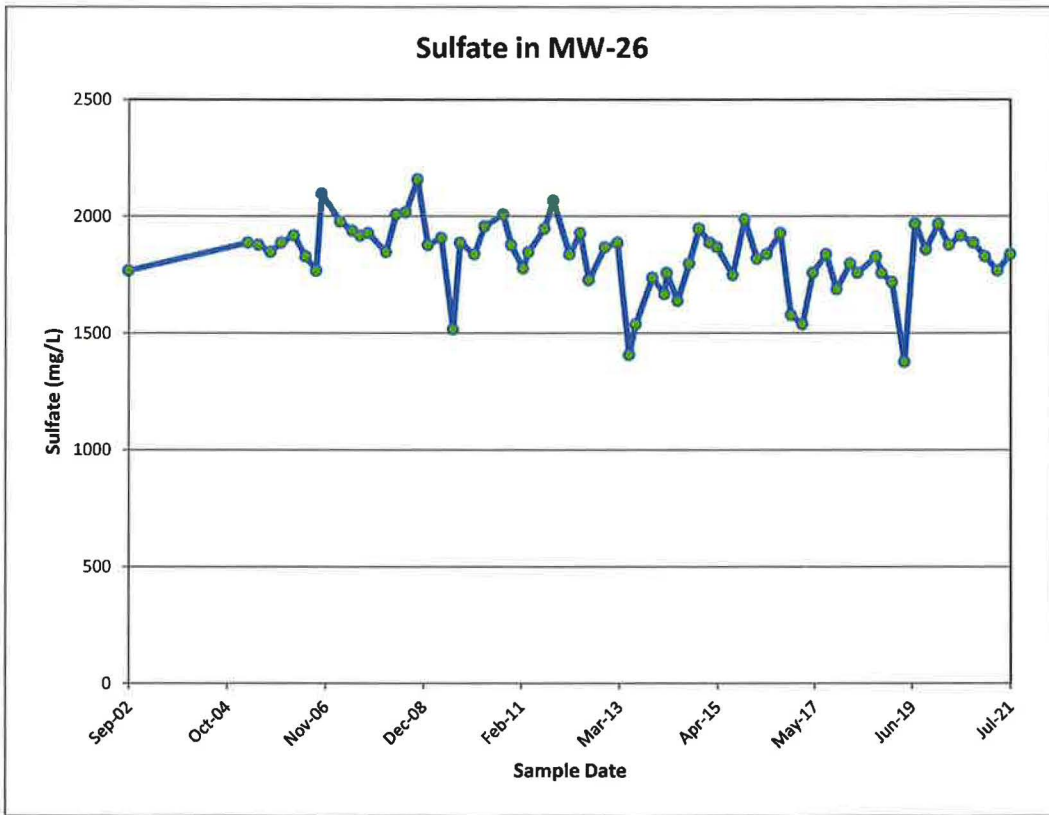
Time concentration plots for MW-25



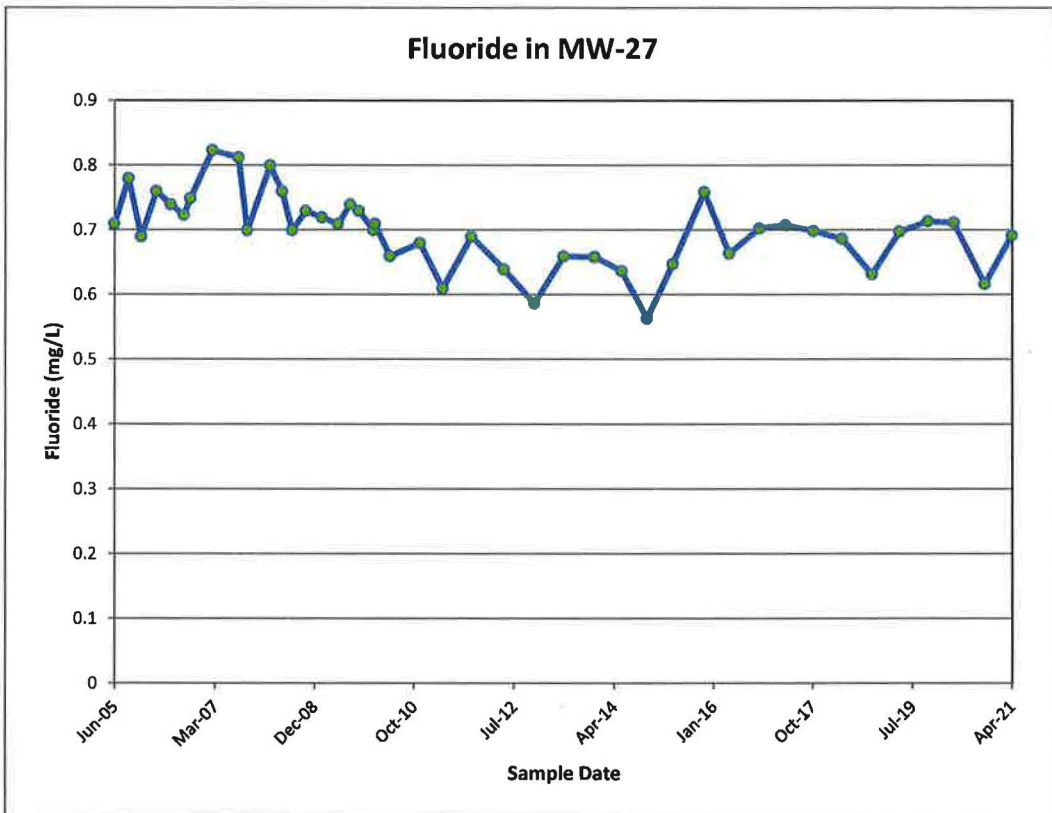
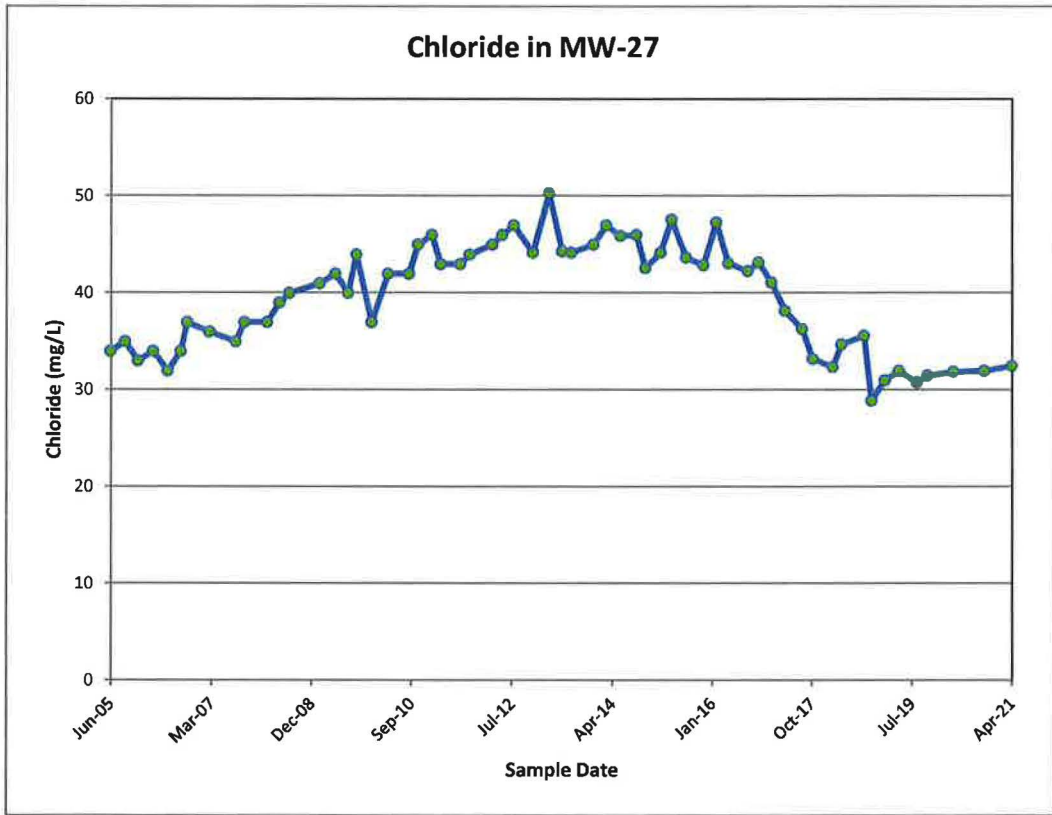
Time concentration plots for MW-26



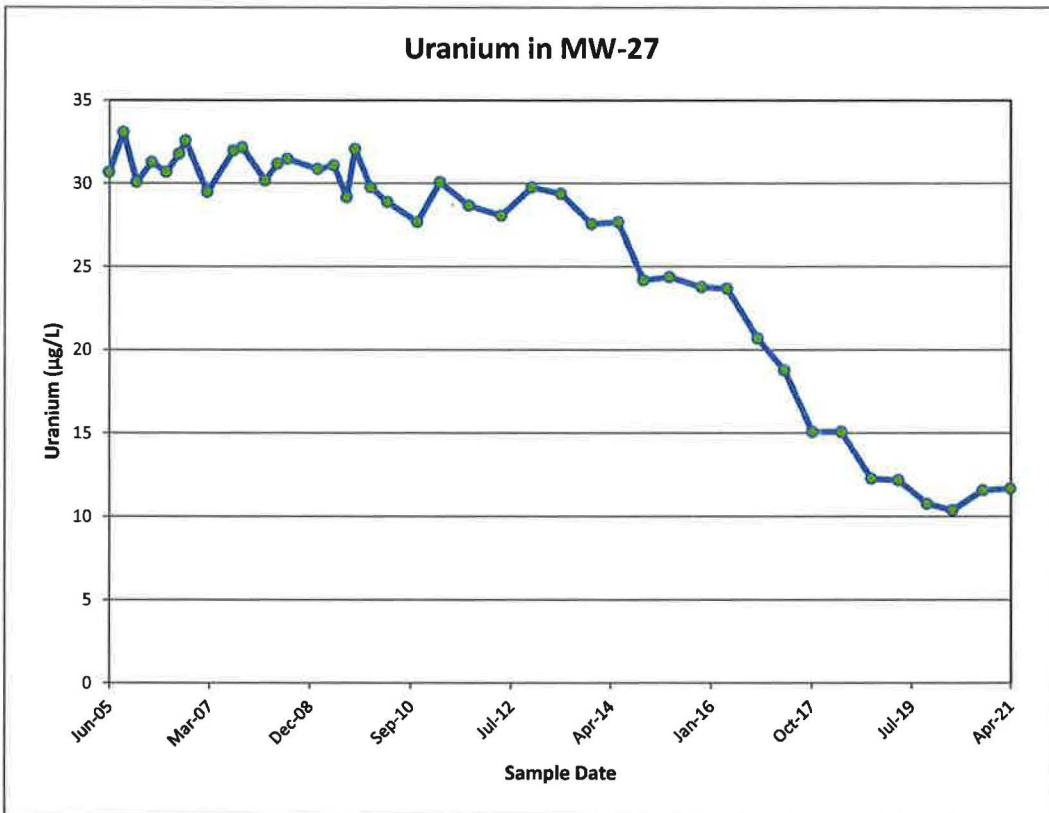
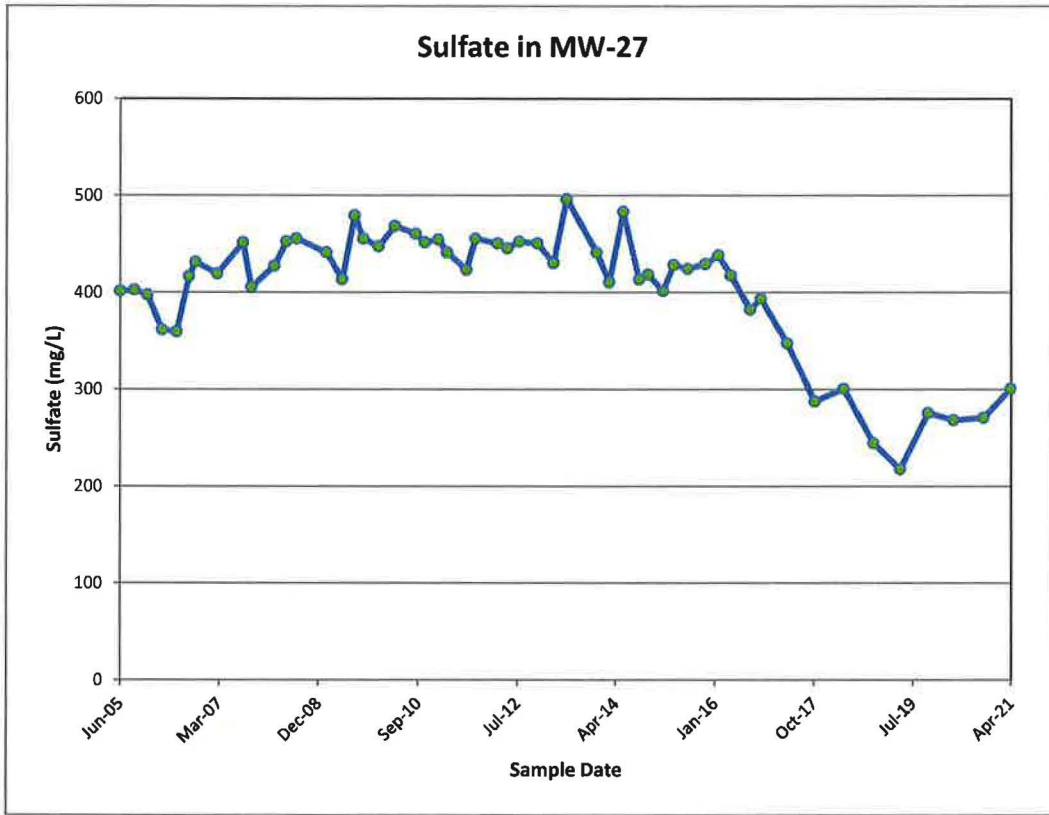
Time concentration plots for MW-26



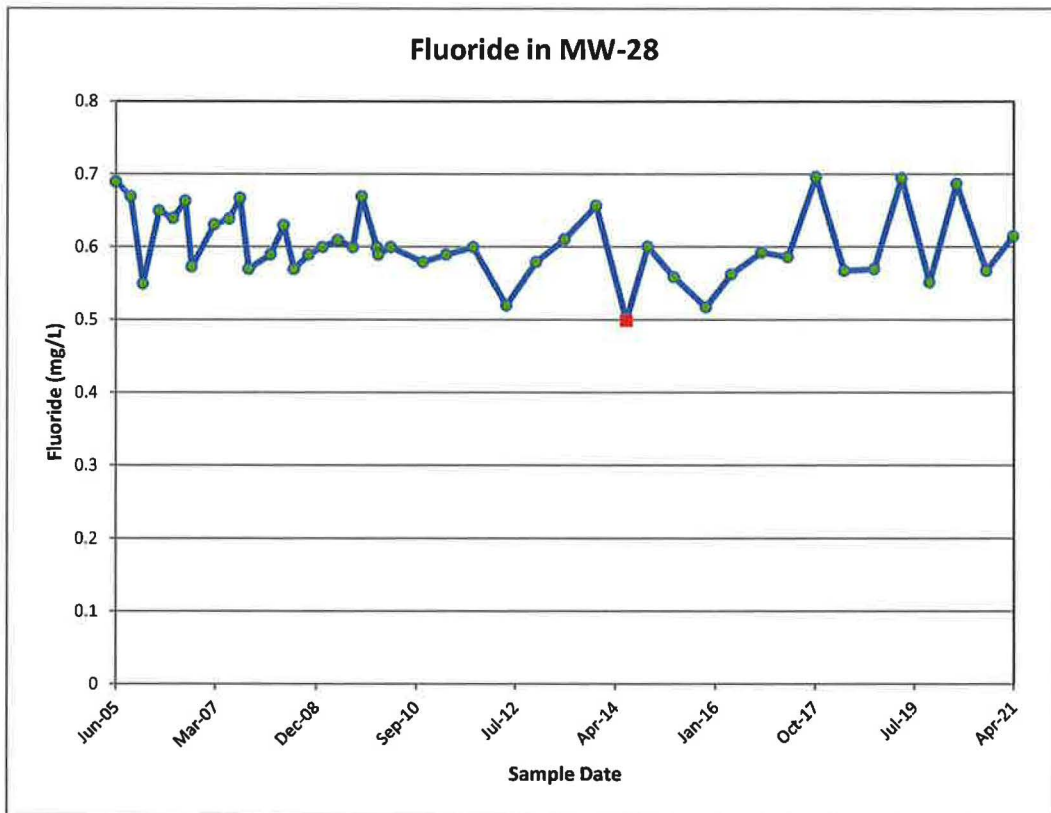
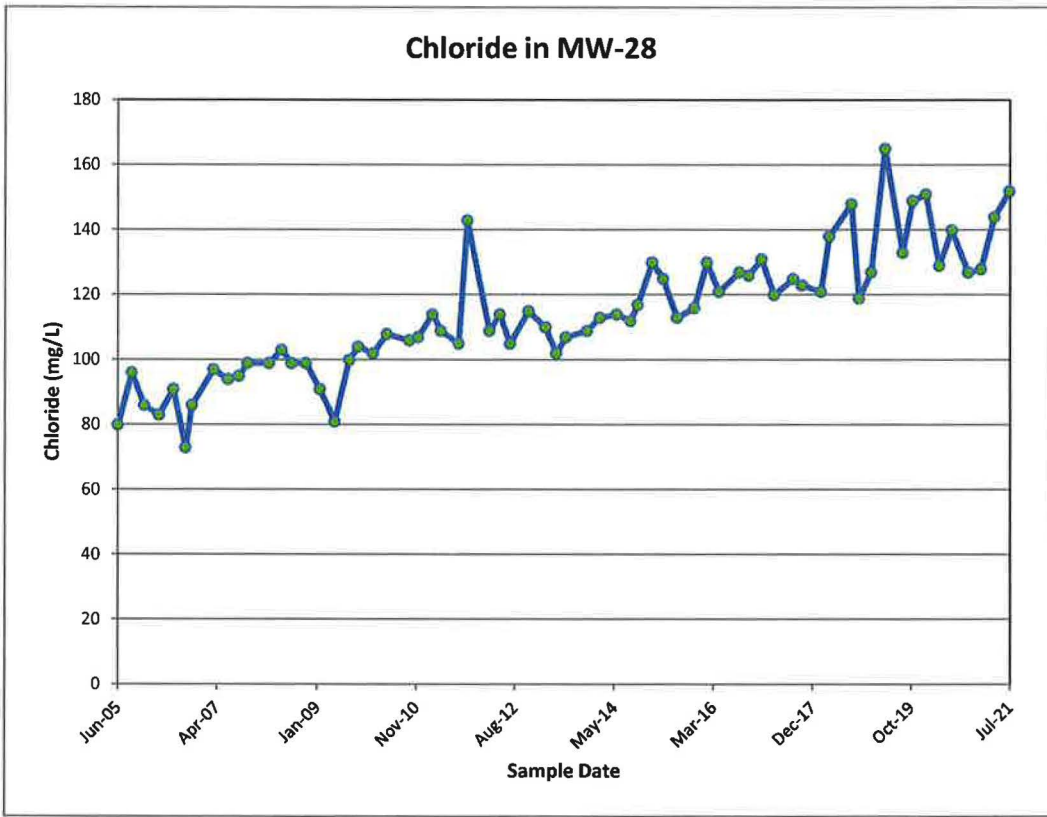
Time concentration plots for MW-27



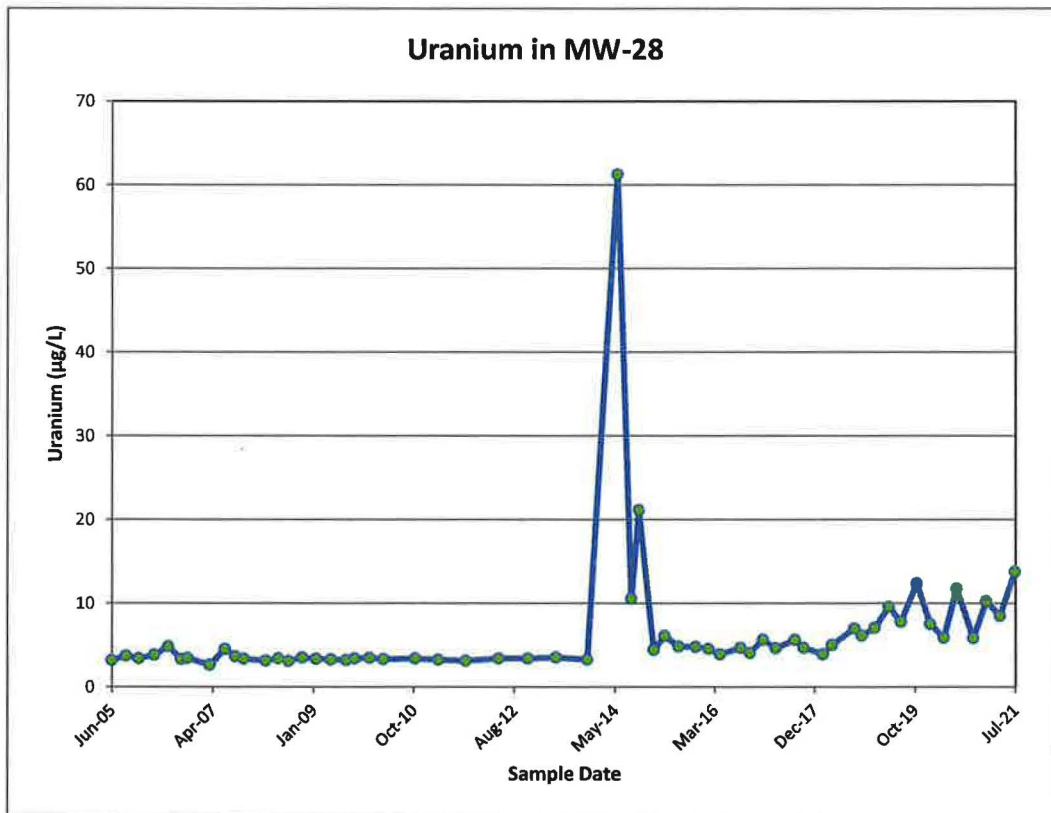
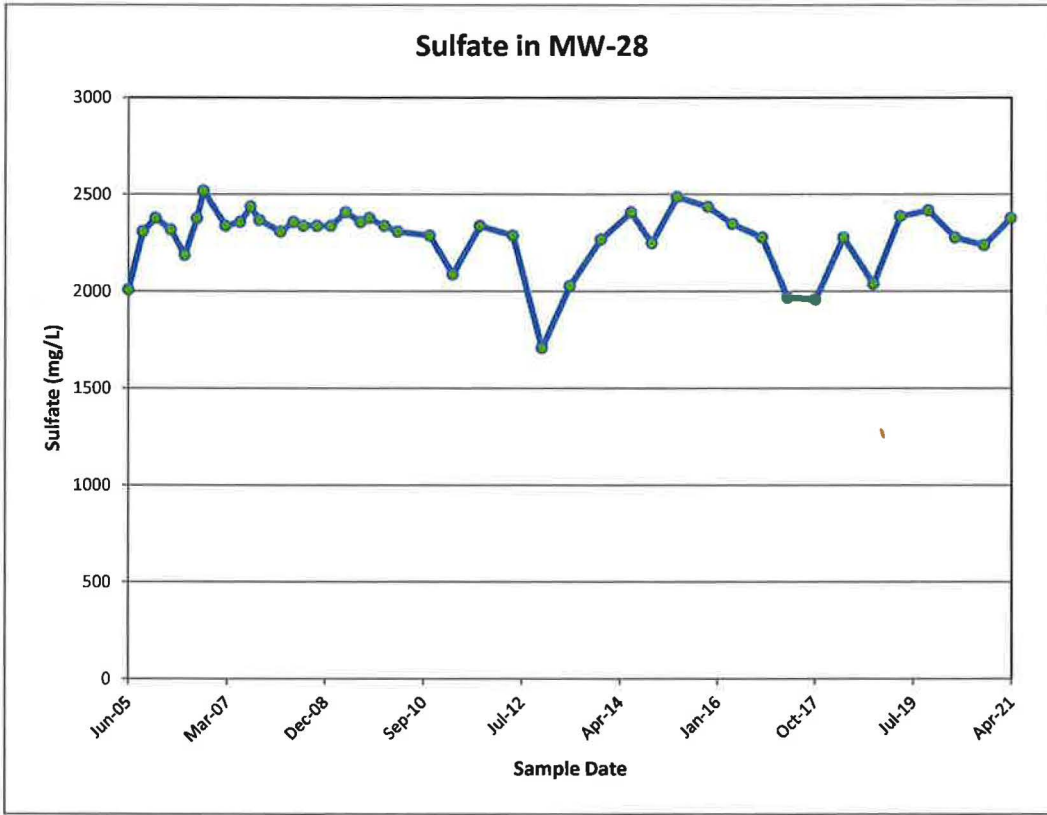
Time concentration plots for MW-27



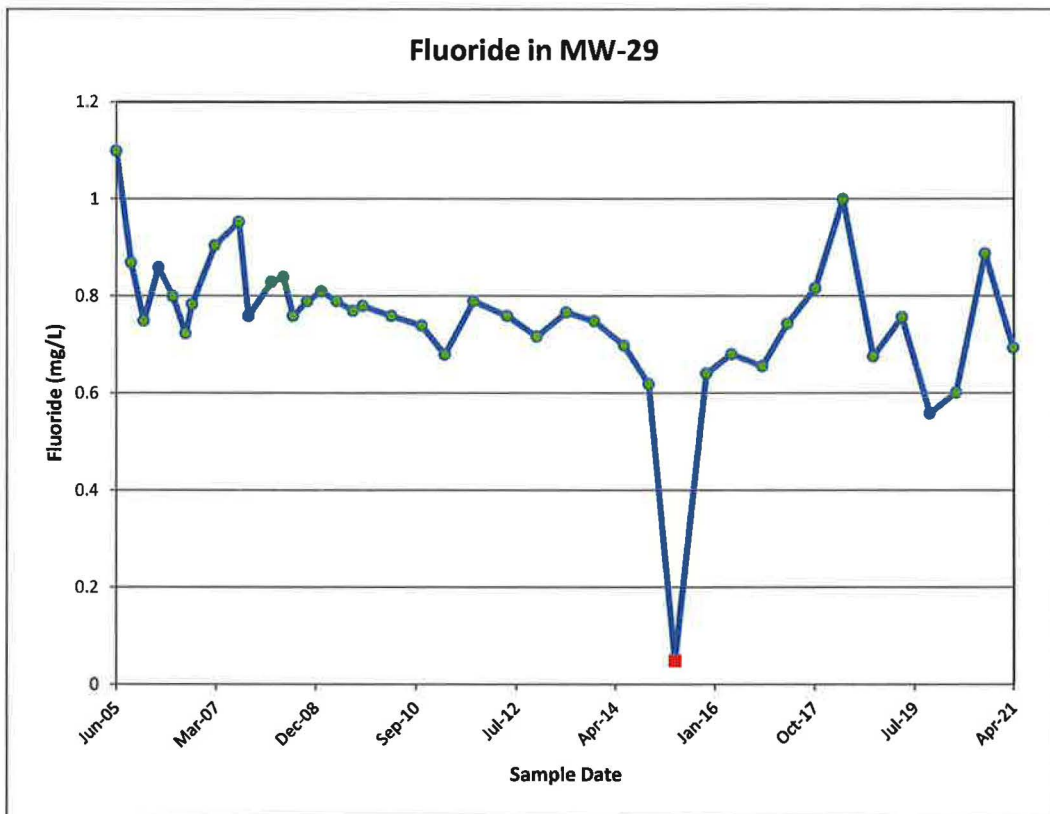
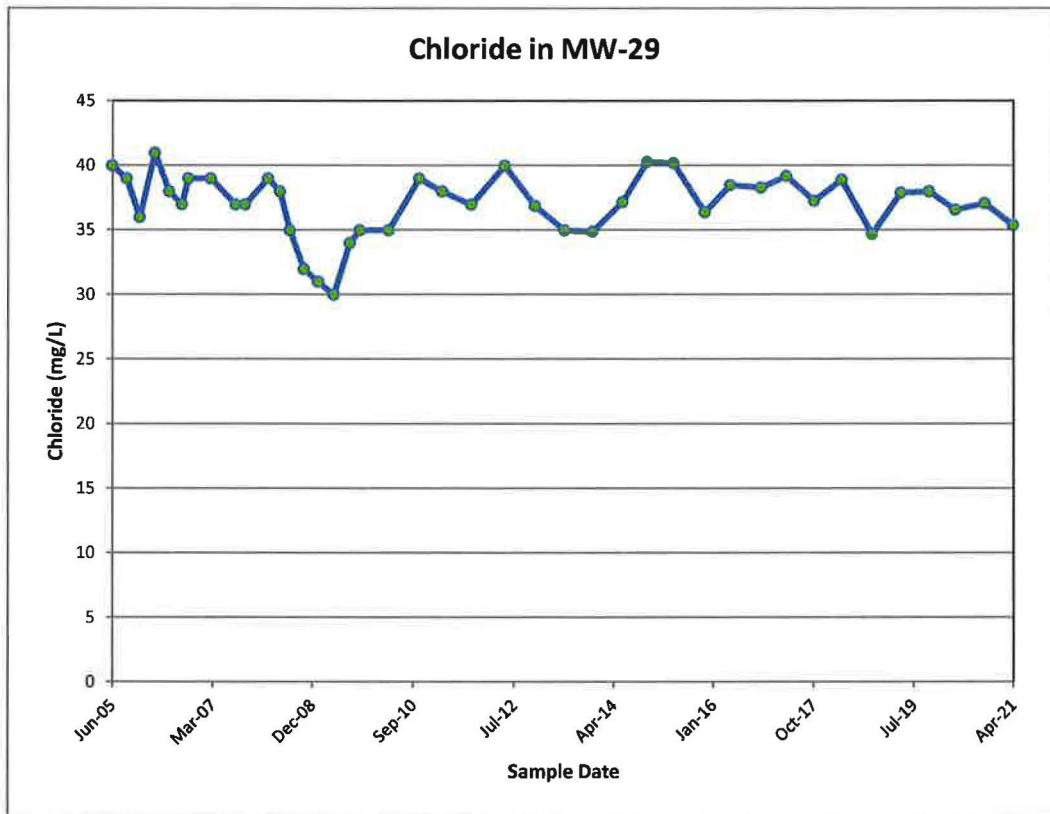
Time concentration plots for MW-28



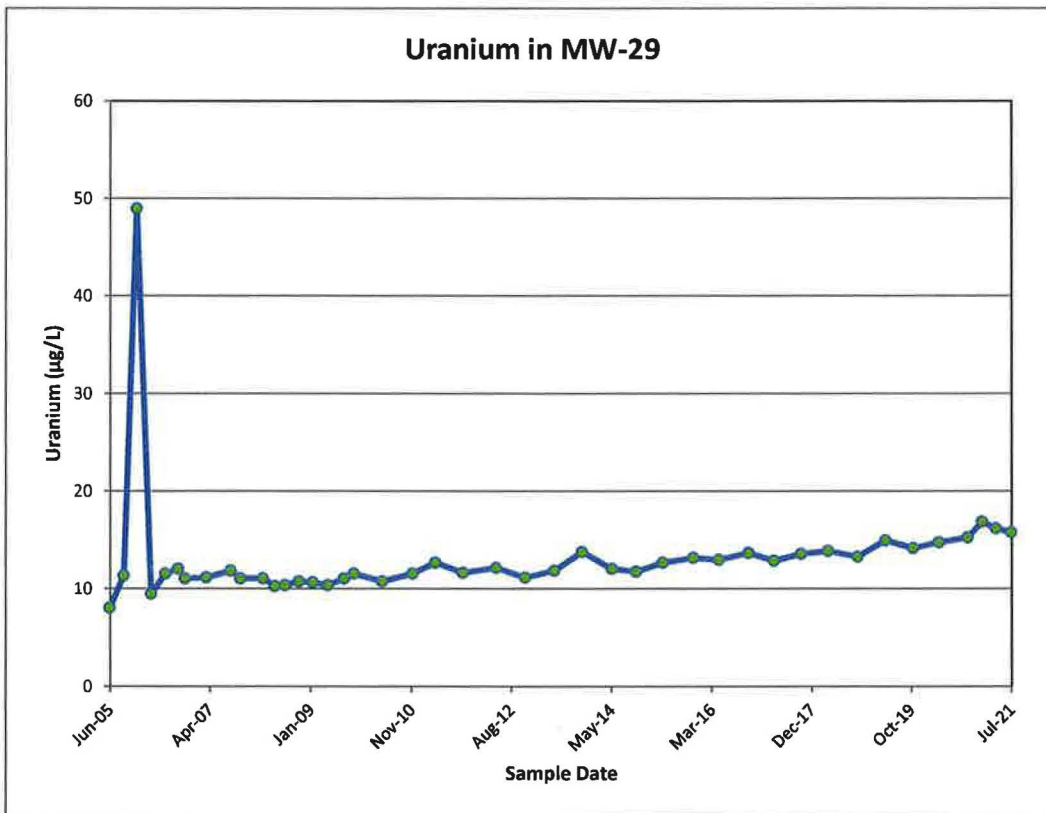
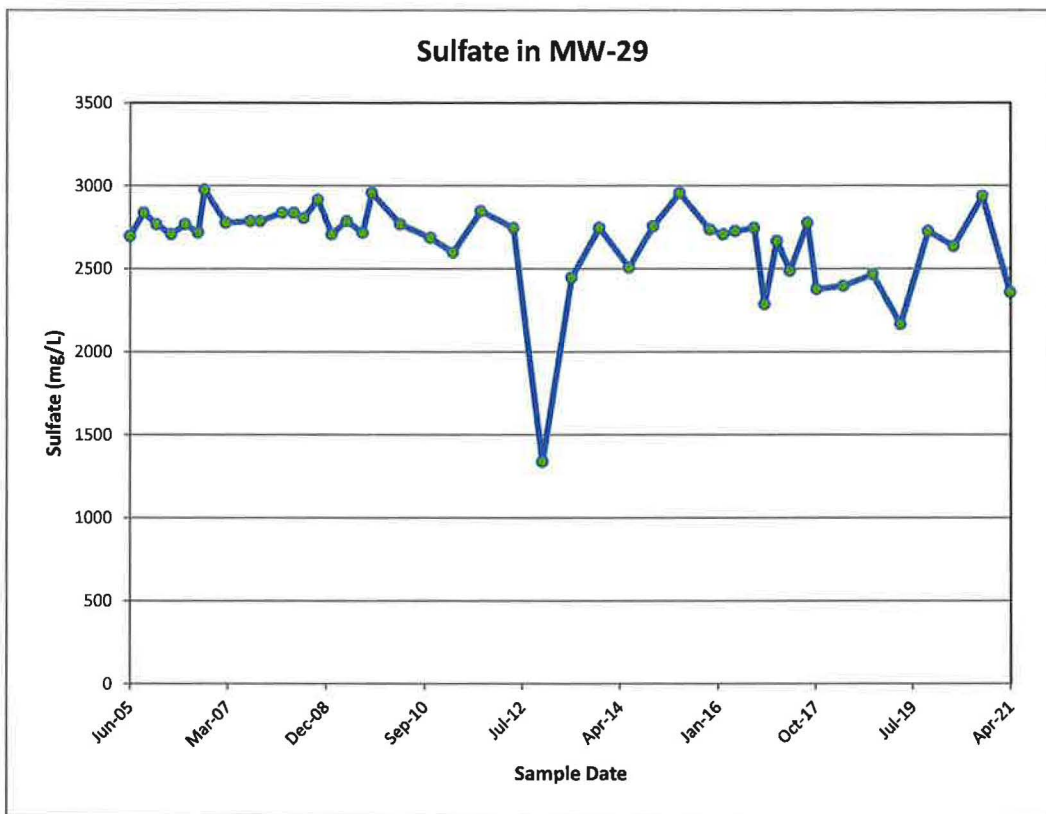
Time concentration plots for MW-28



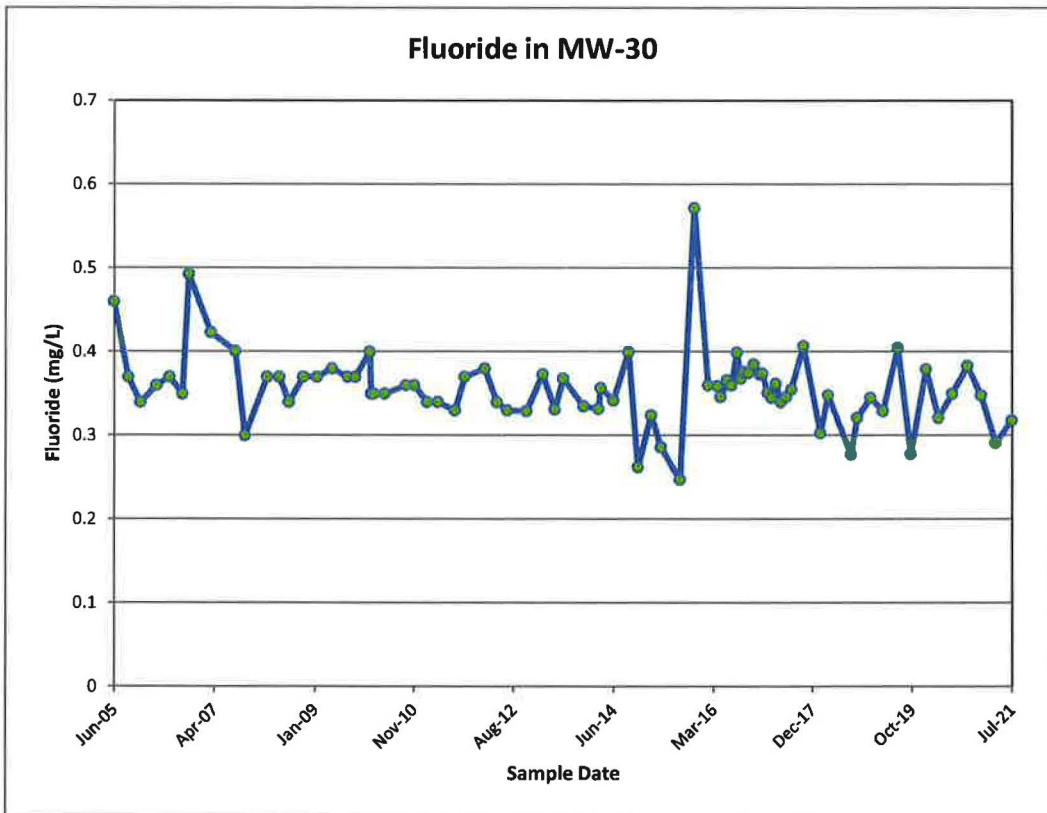
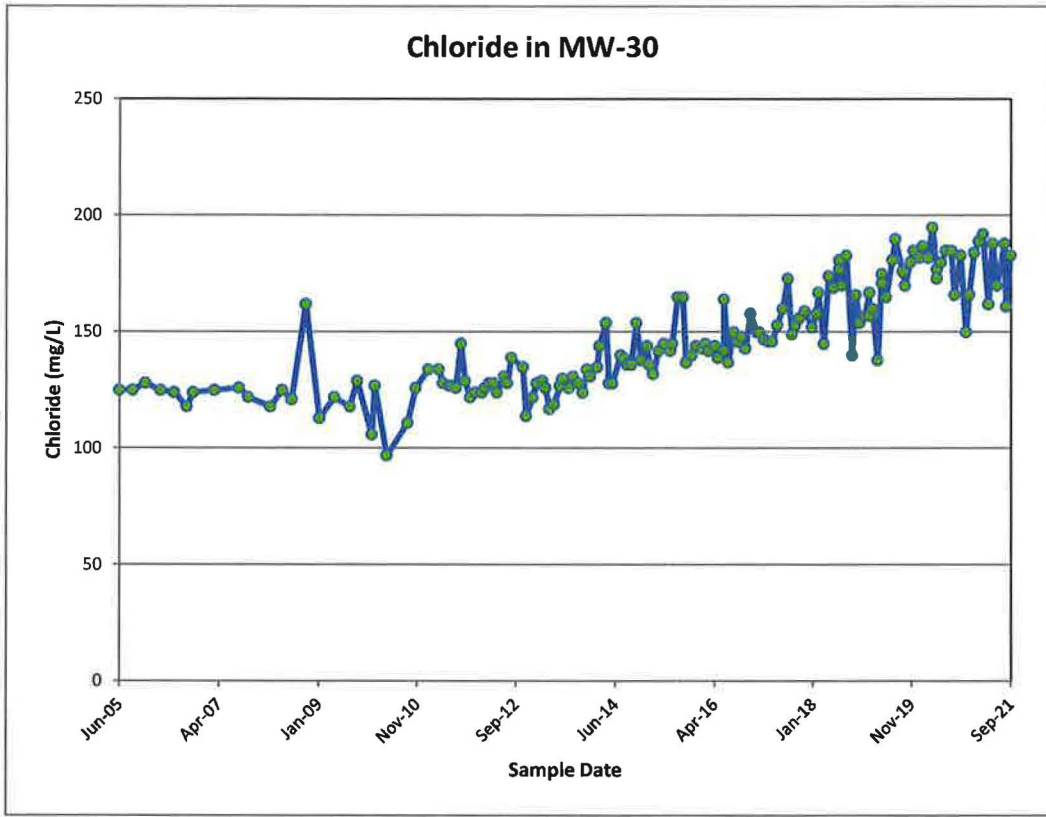
Time concentration plots for MW-29



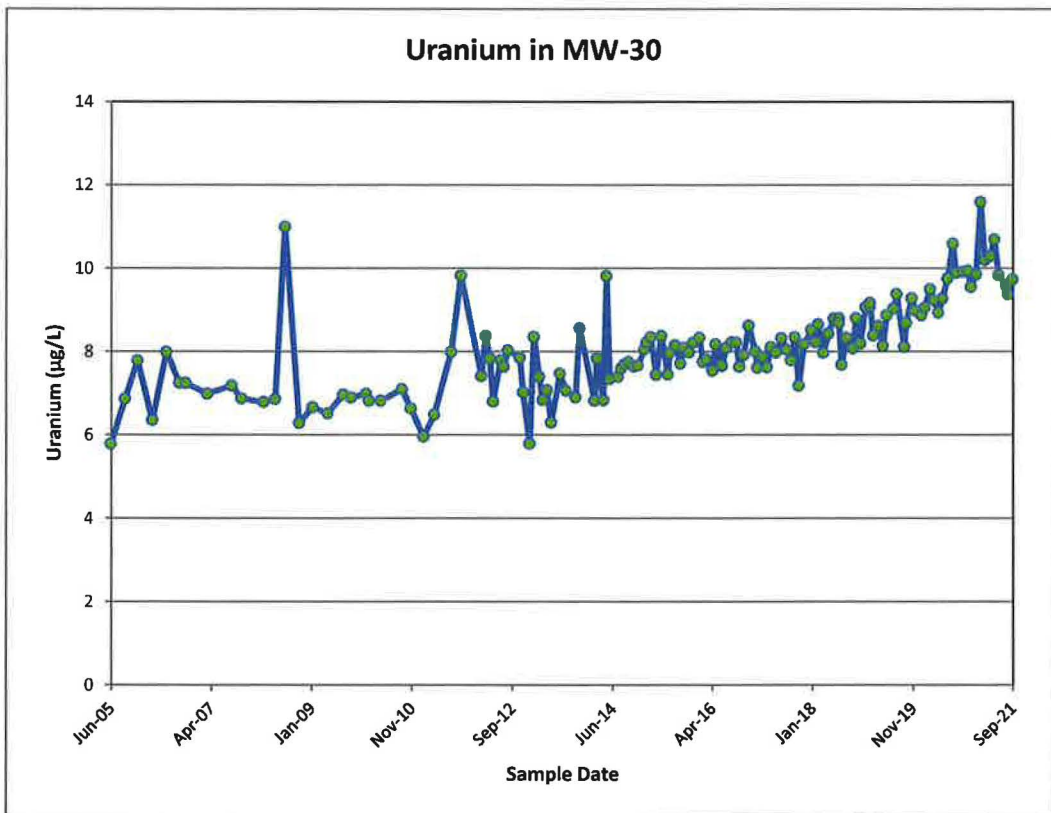
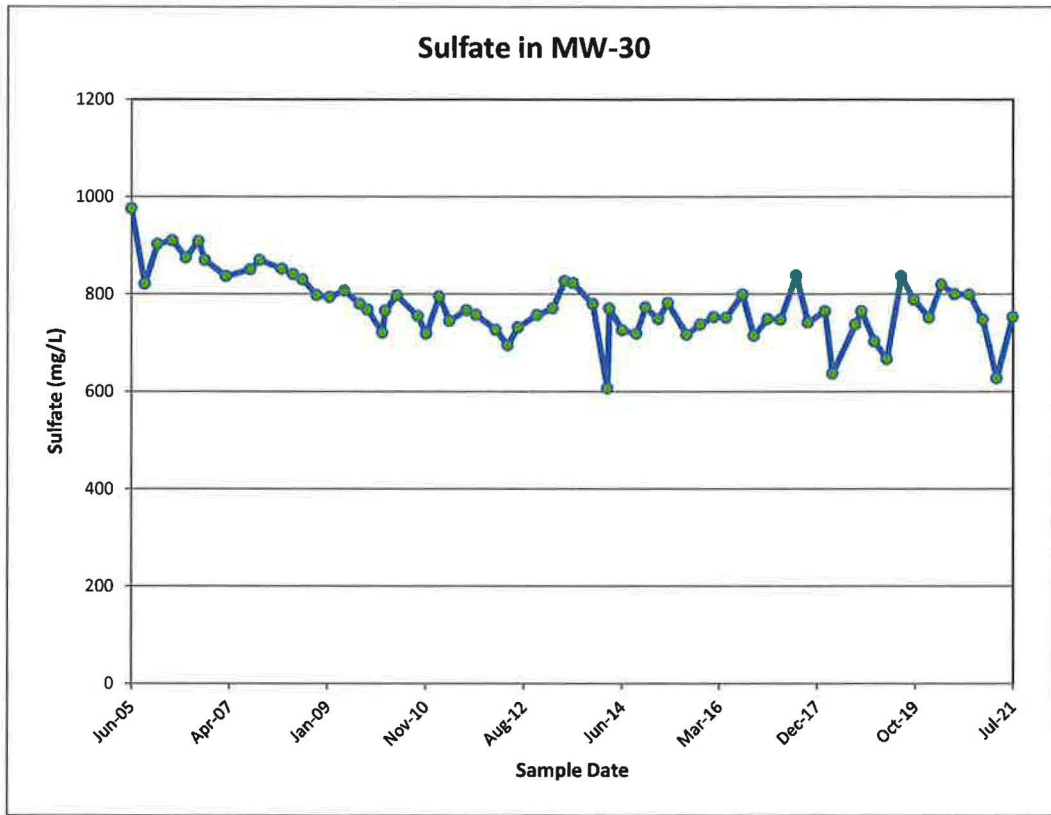
Time concentration plots for MW-29



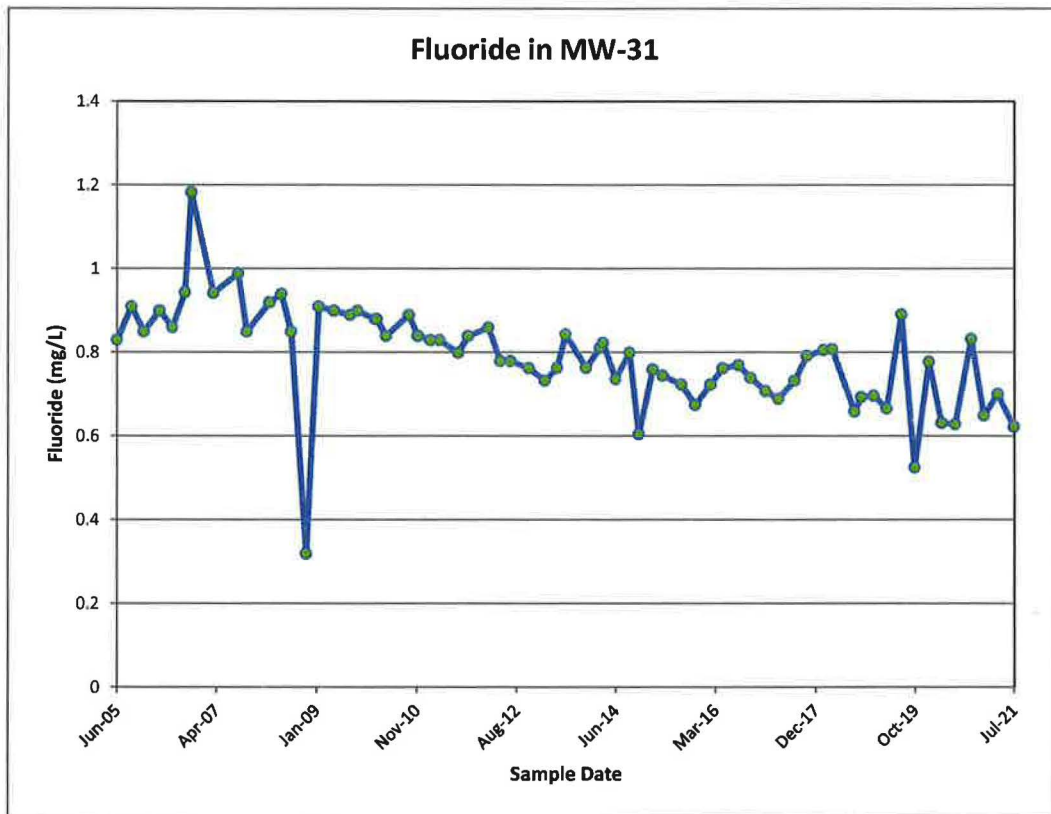
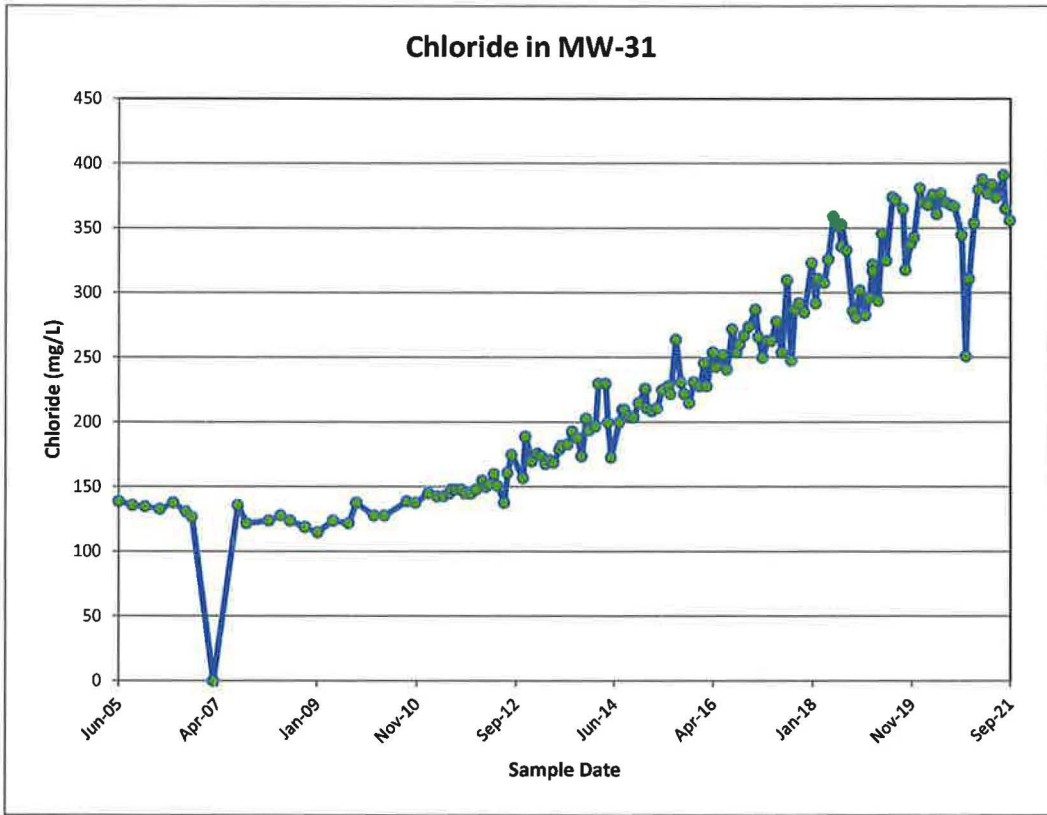
Time concentration plots for MW-30



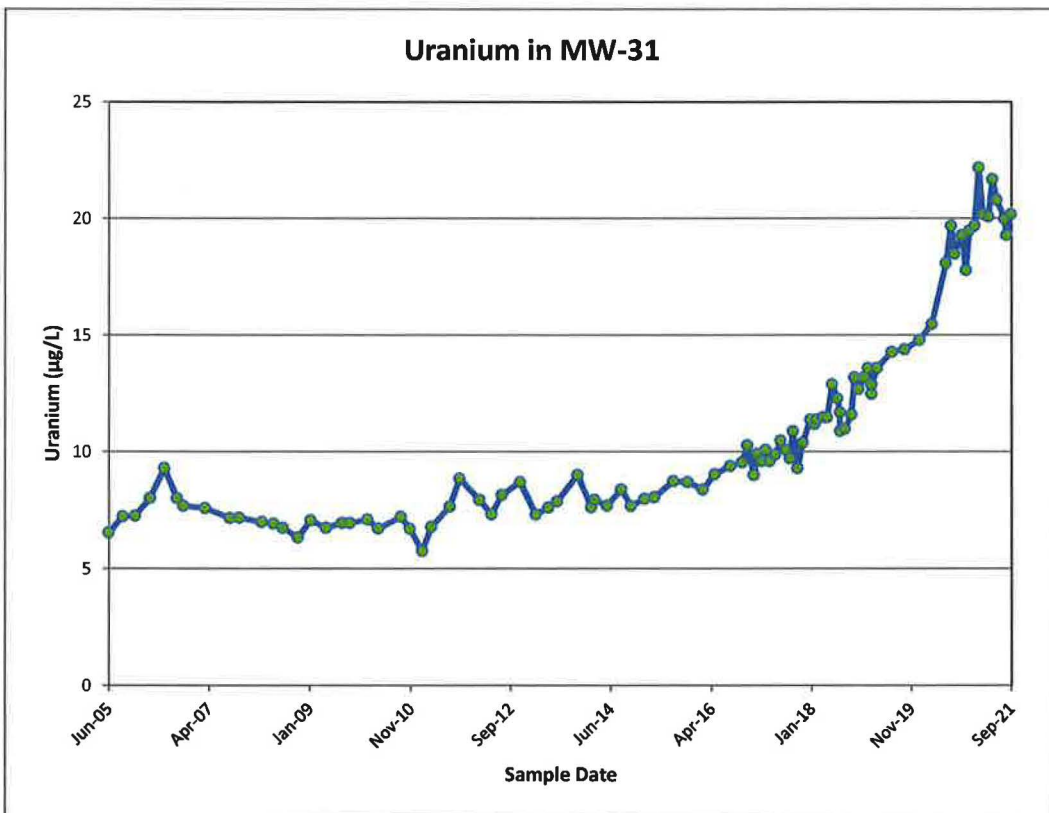
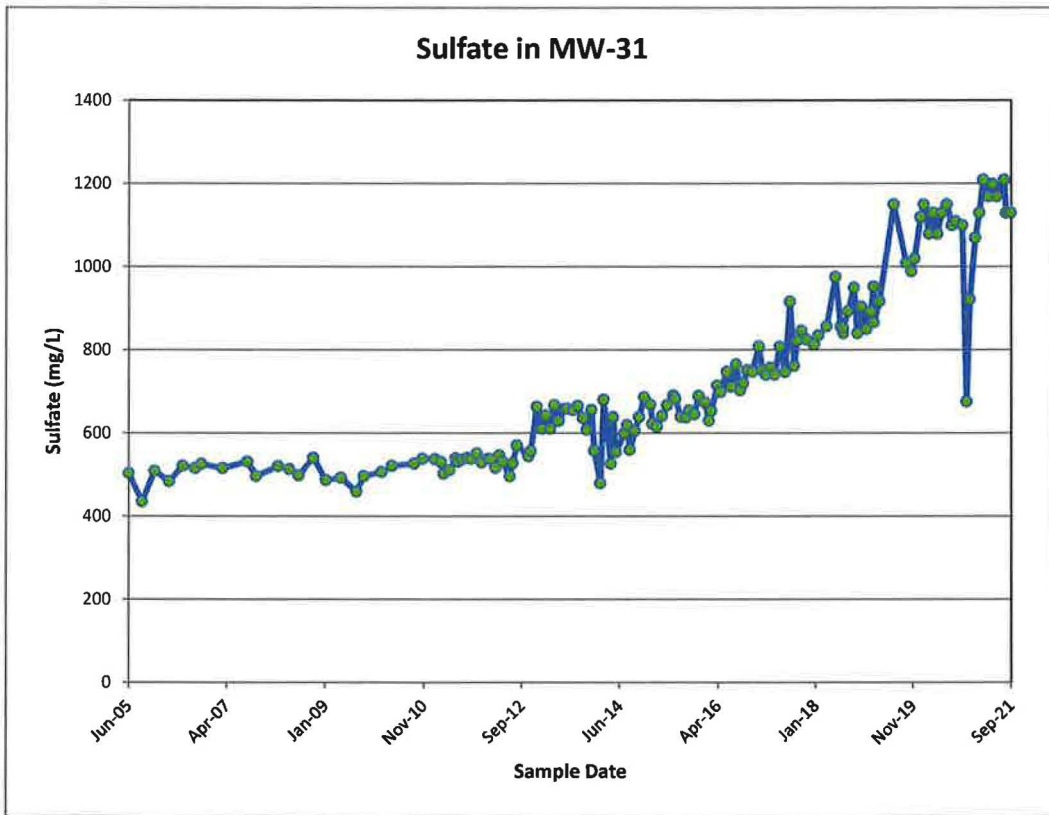
Time concentration plots for MW-30



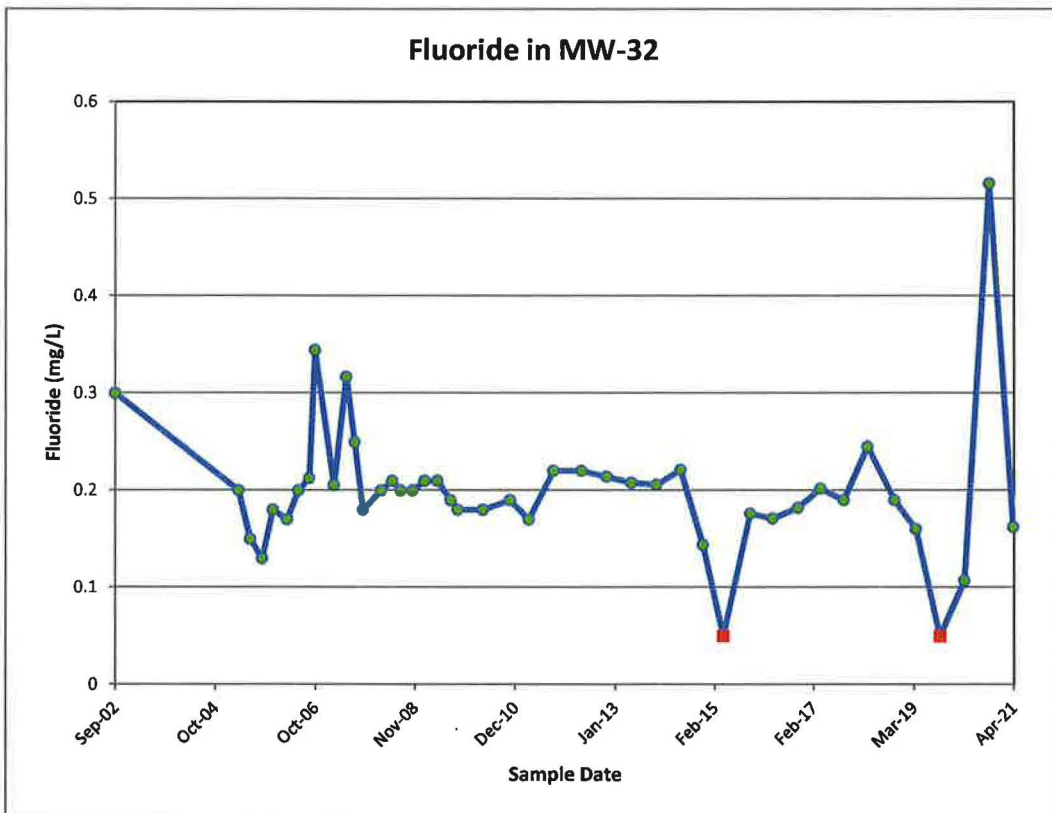
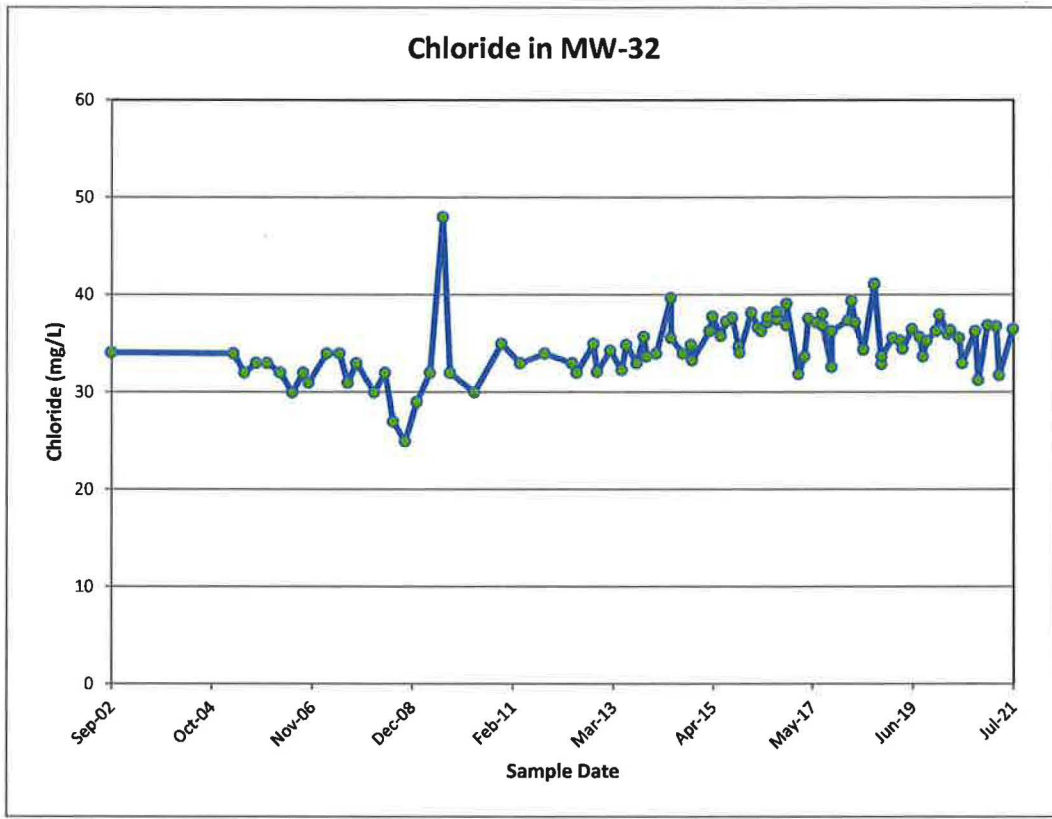
Time concentration plots for MW-31



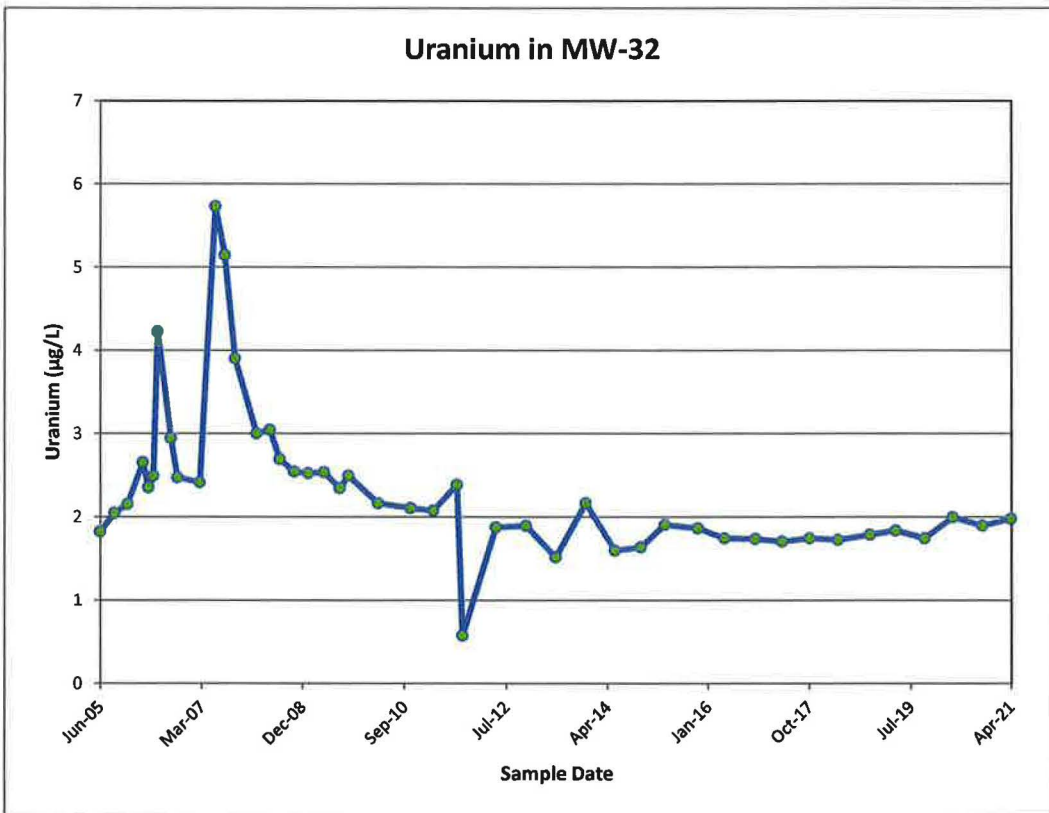
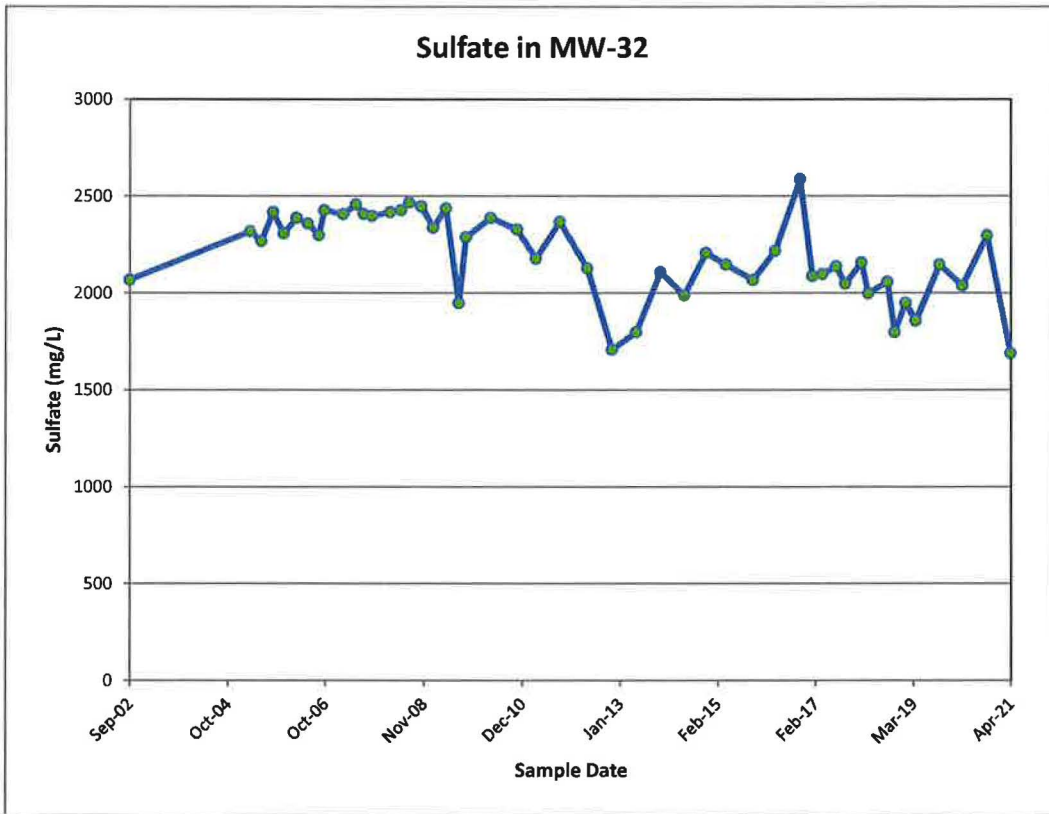
Time concentration plots for MW-31



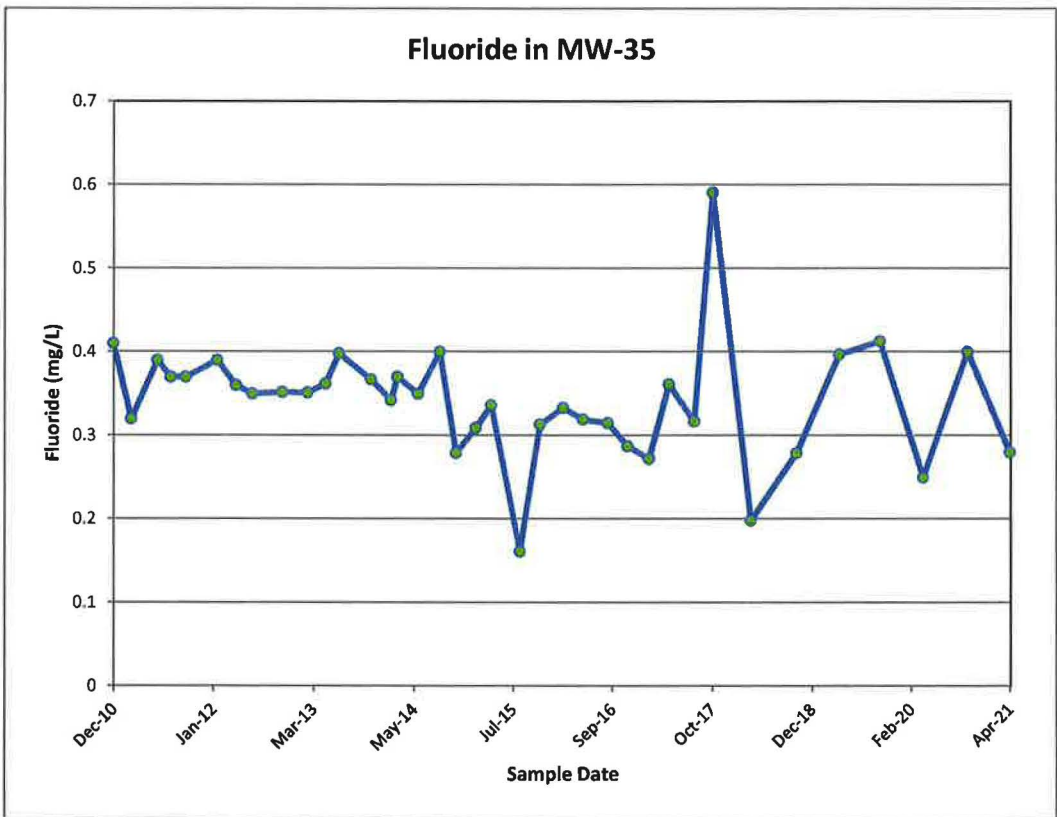
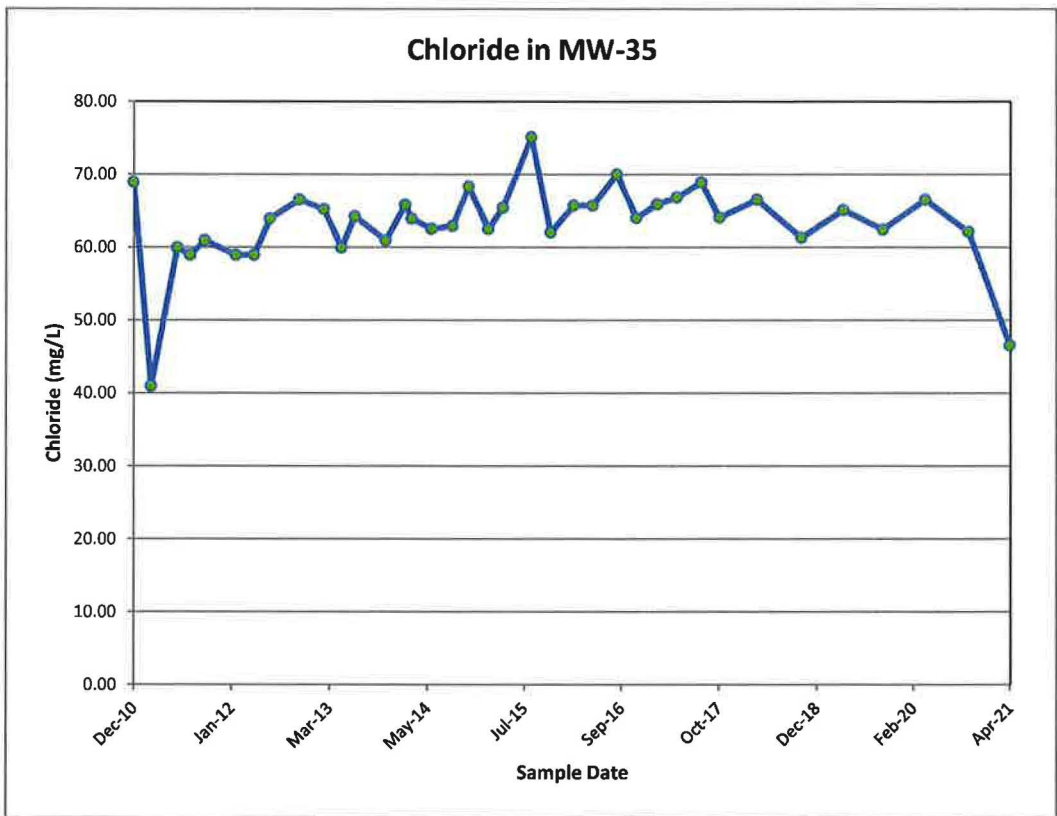
Time concentration plots for MW-32



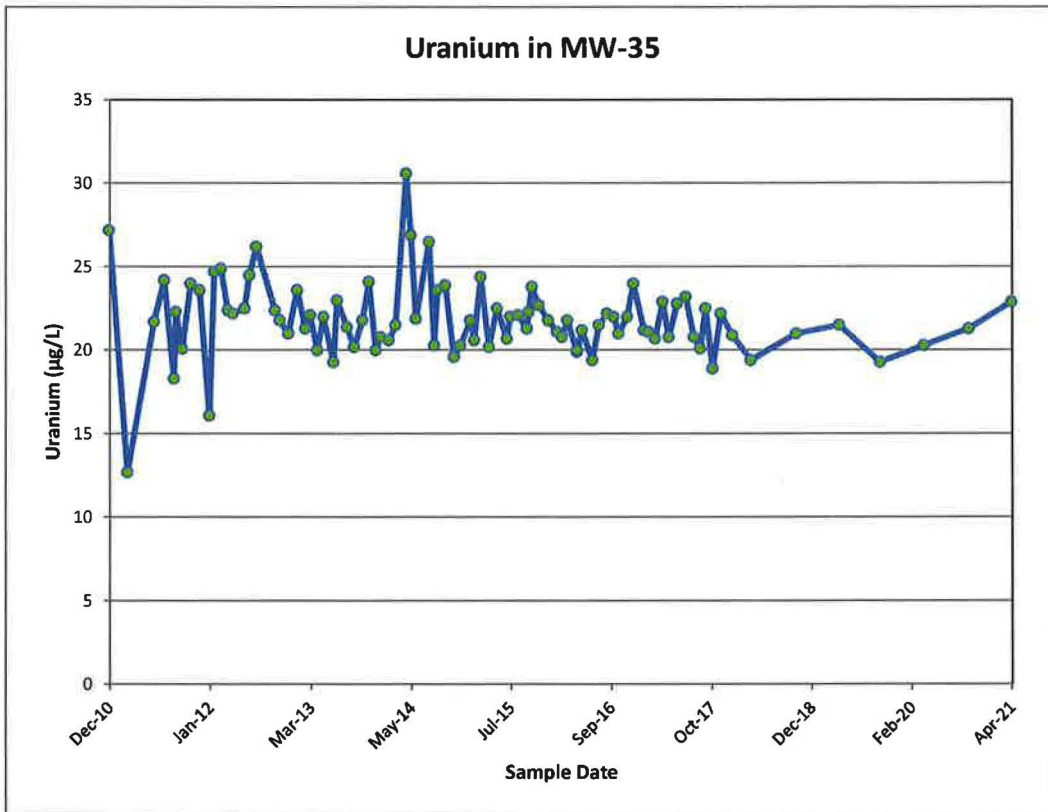
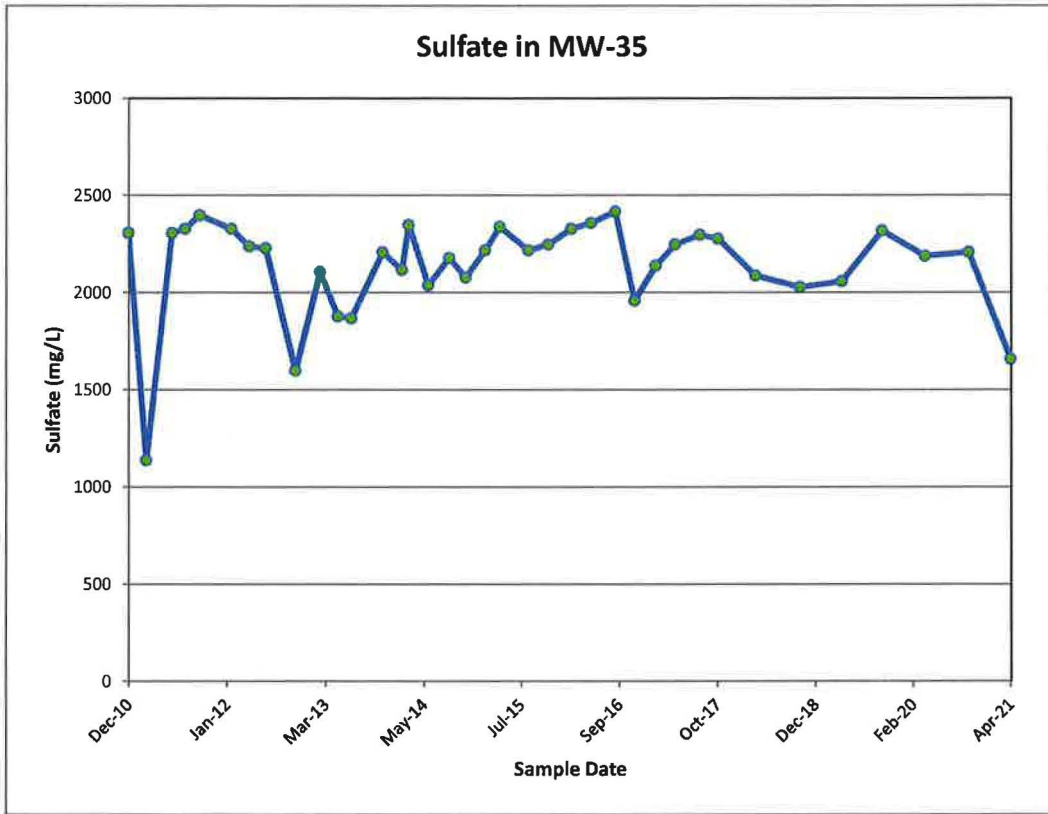
Time concentration plots for MW-32



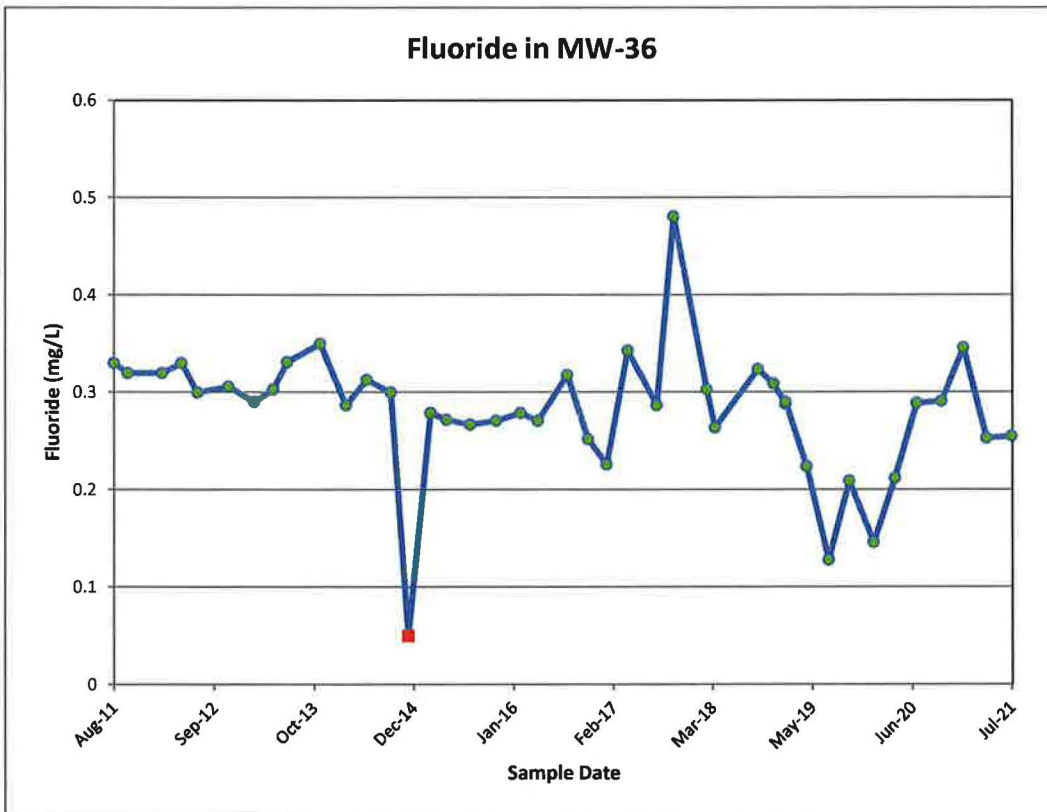
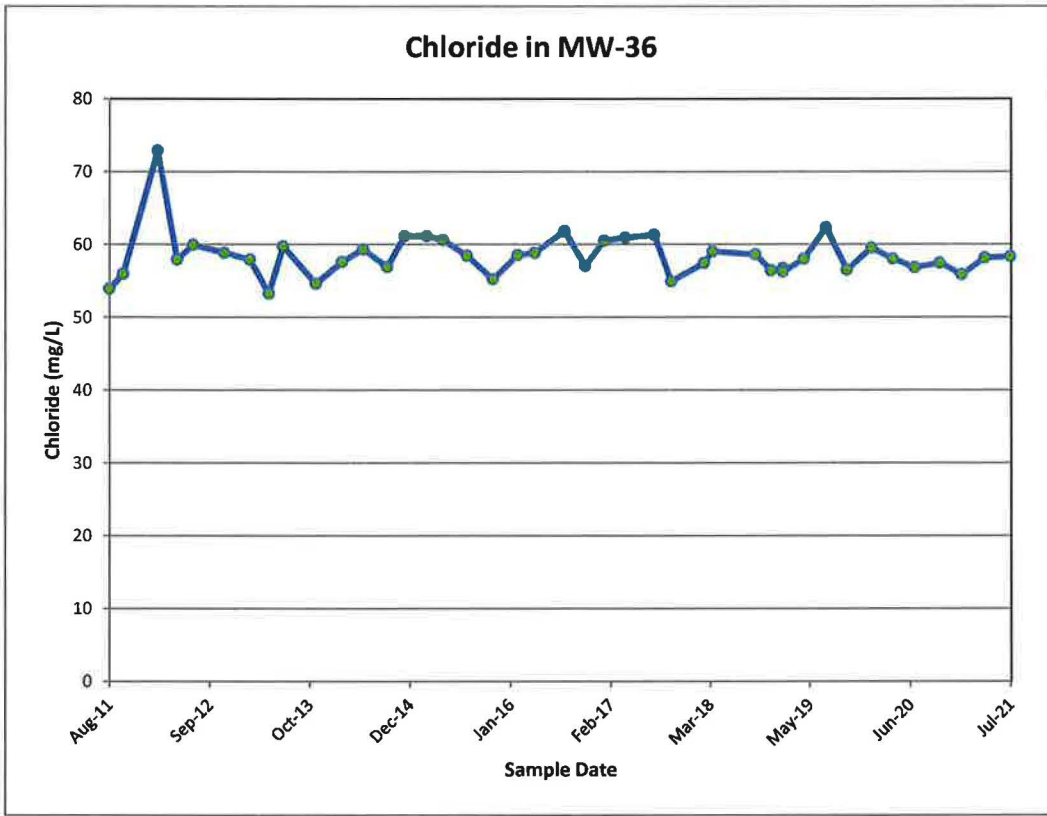
Time concentration plots for MW-35



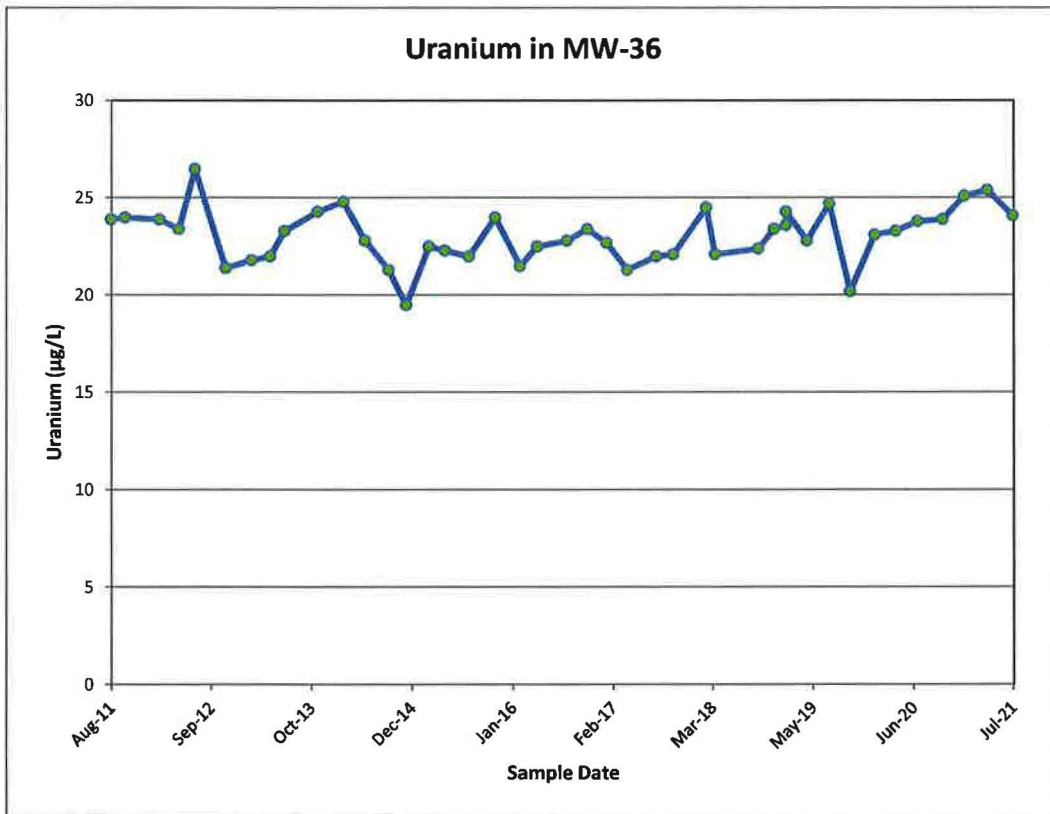
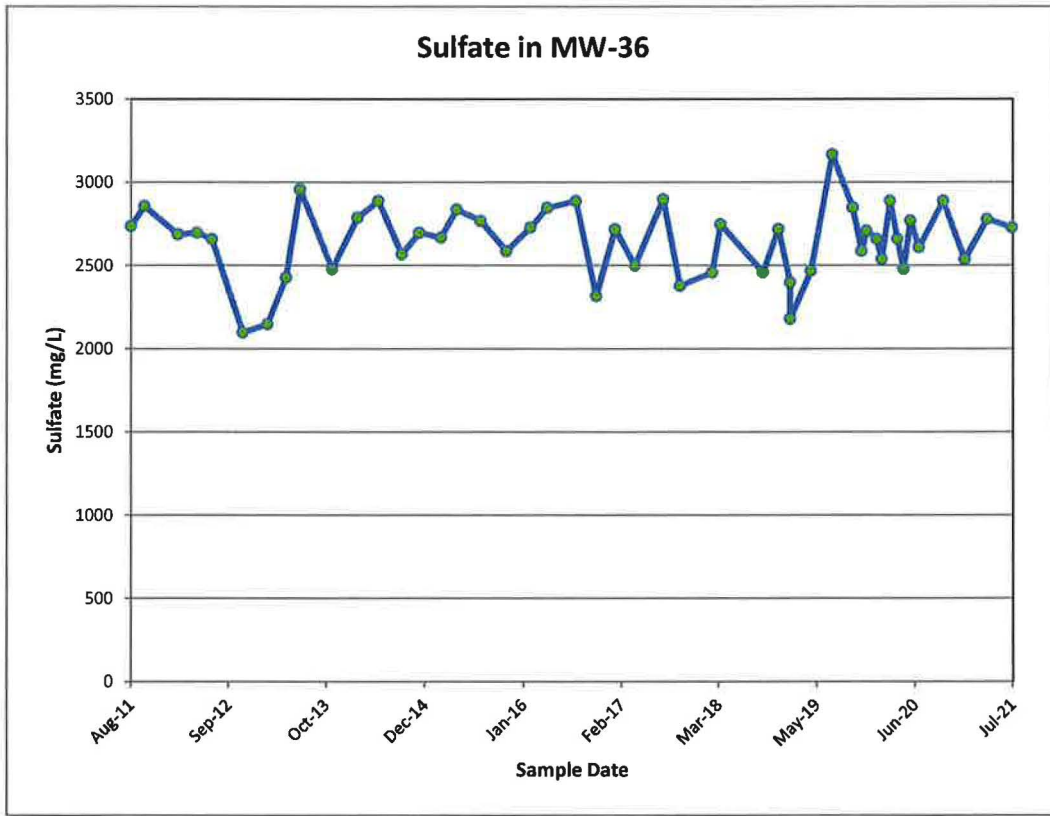
Time concentration plots for MW-35



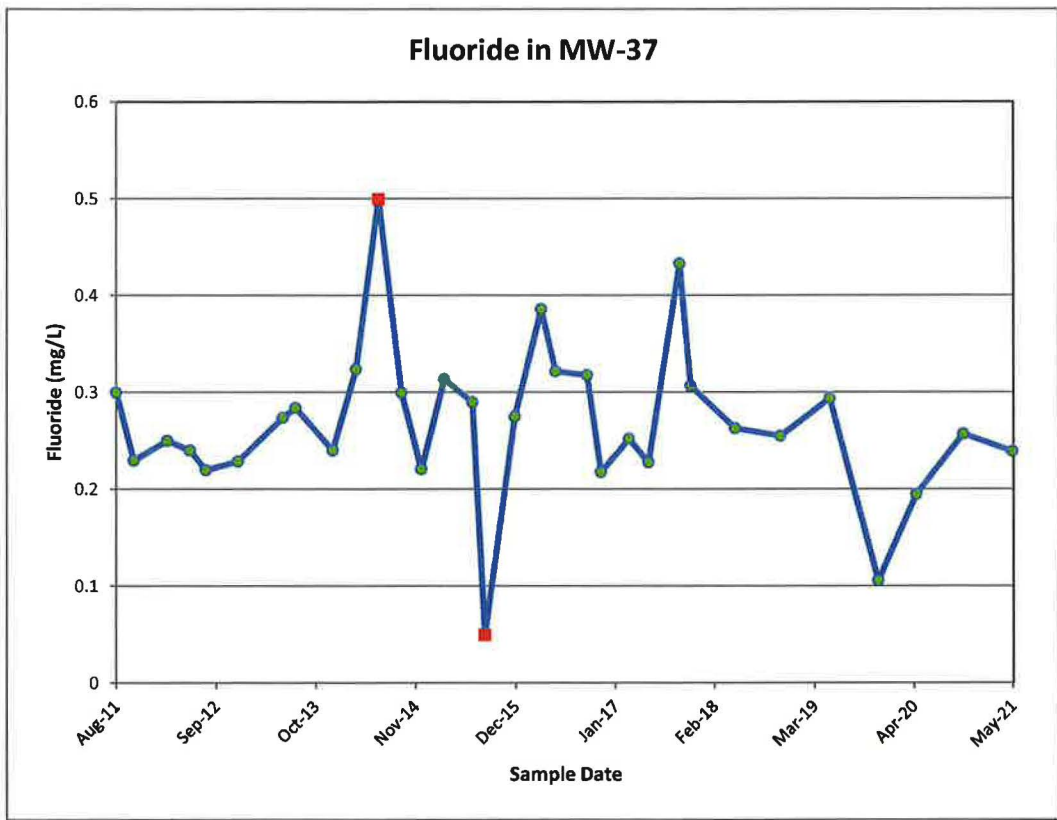
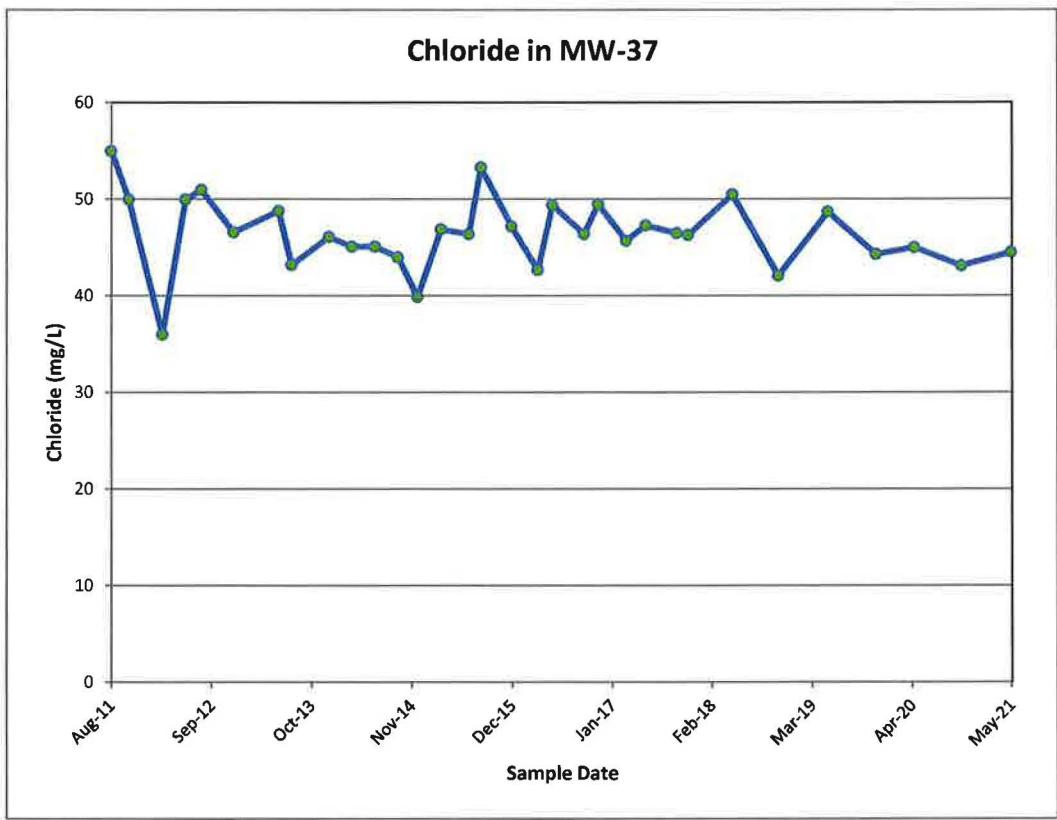
Time concentration plots for MW-36



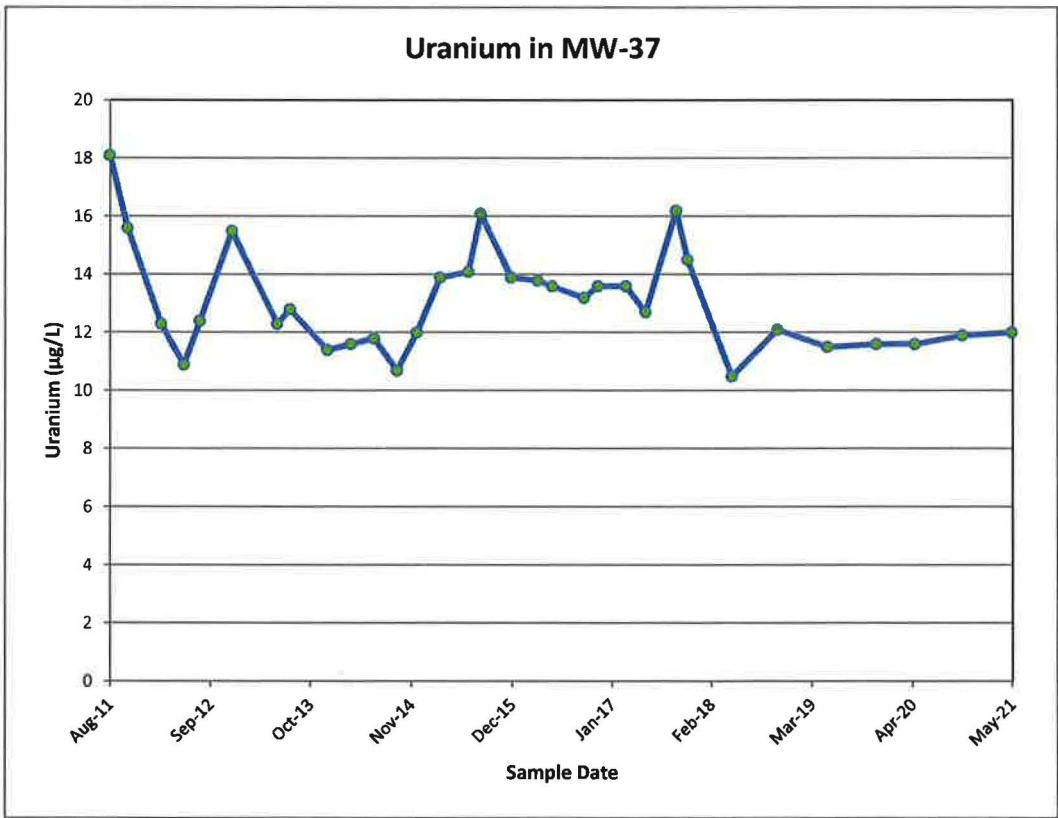
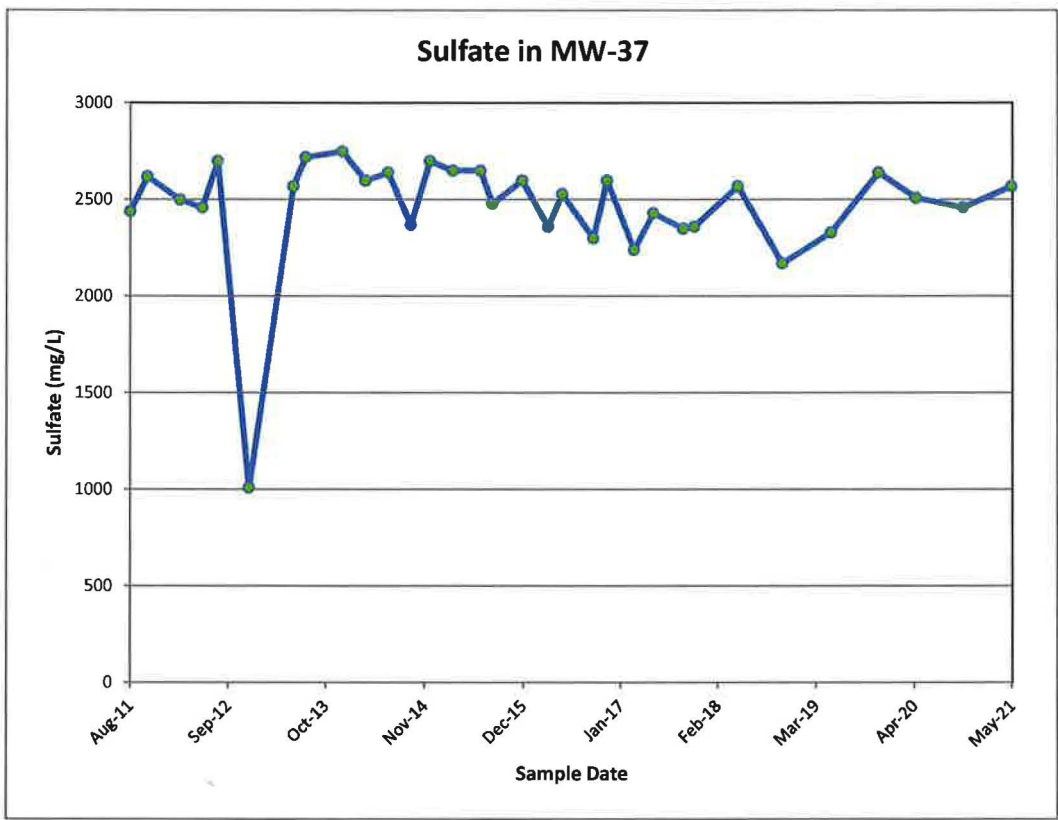
Time concentration plots for MW-36



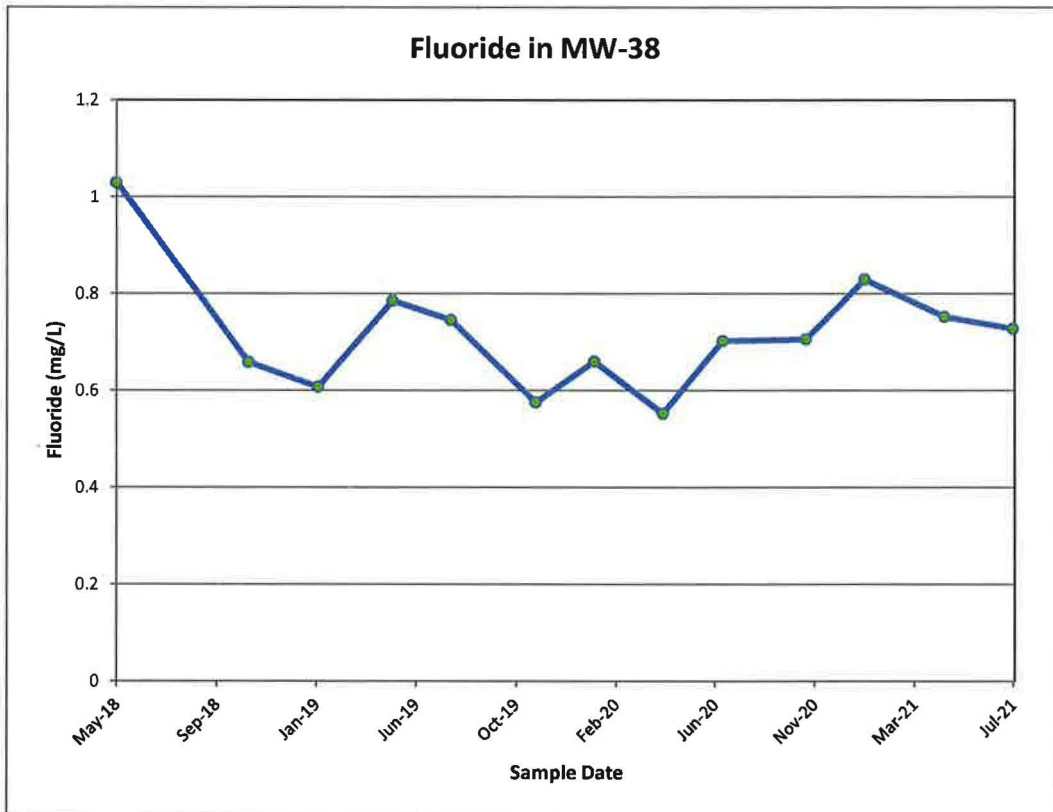
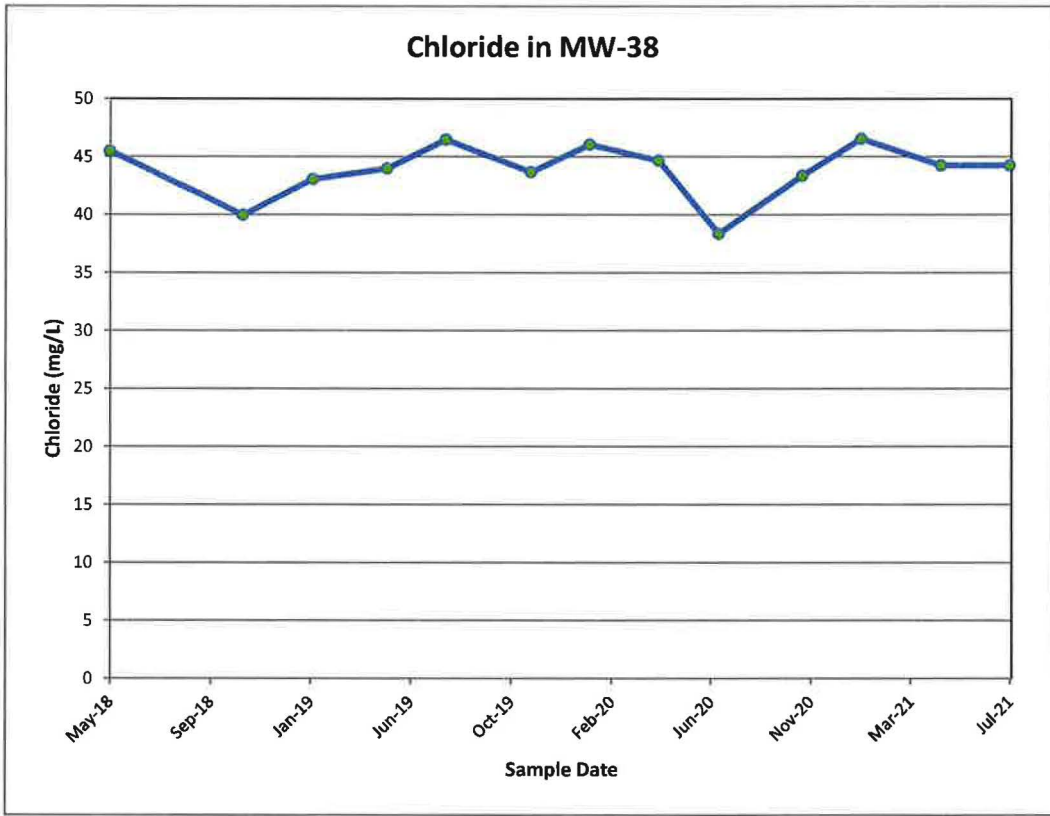
Time concentration plots for MW-37



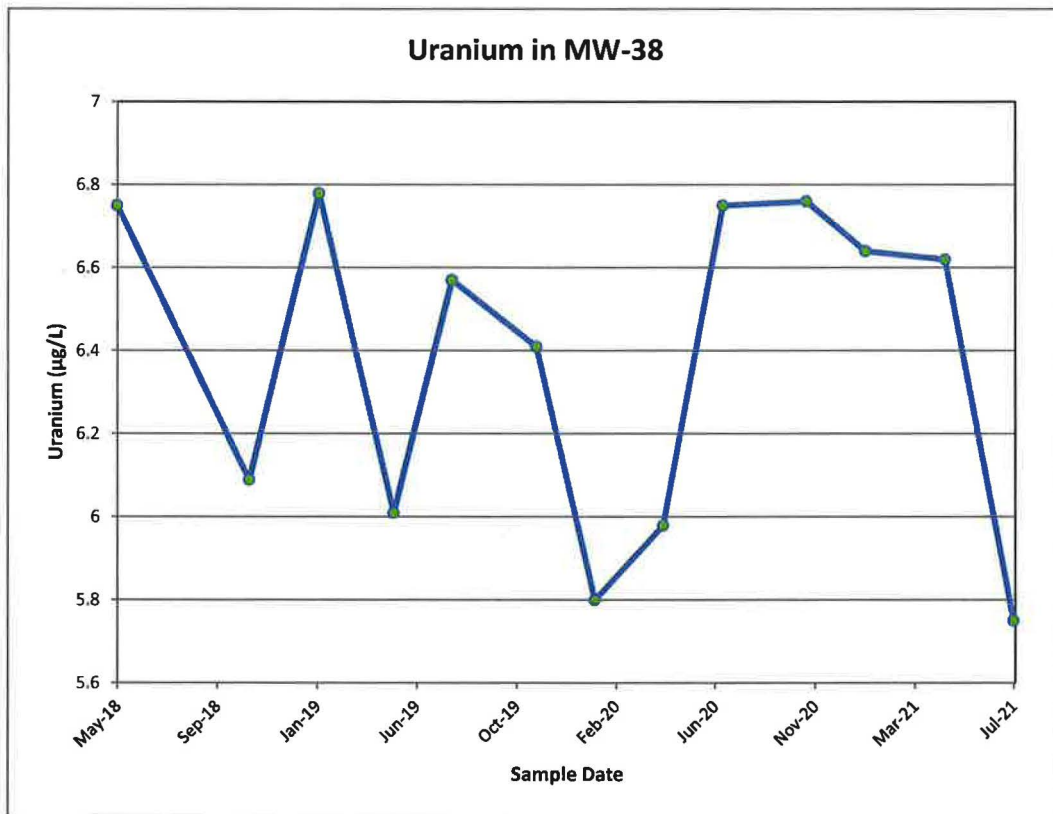
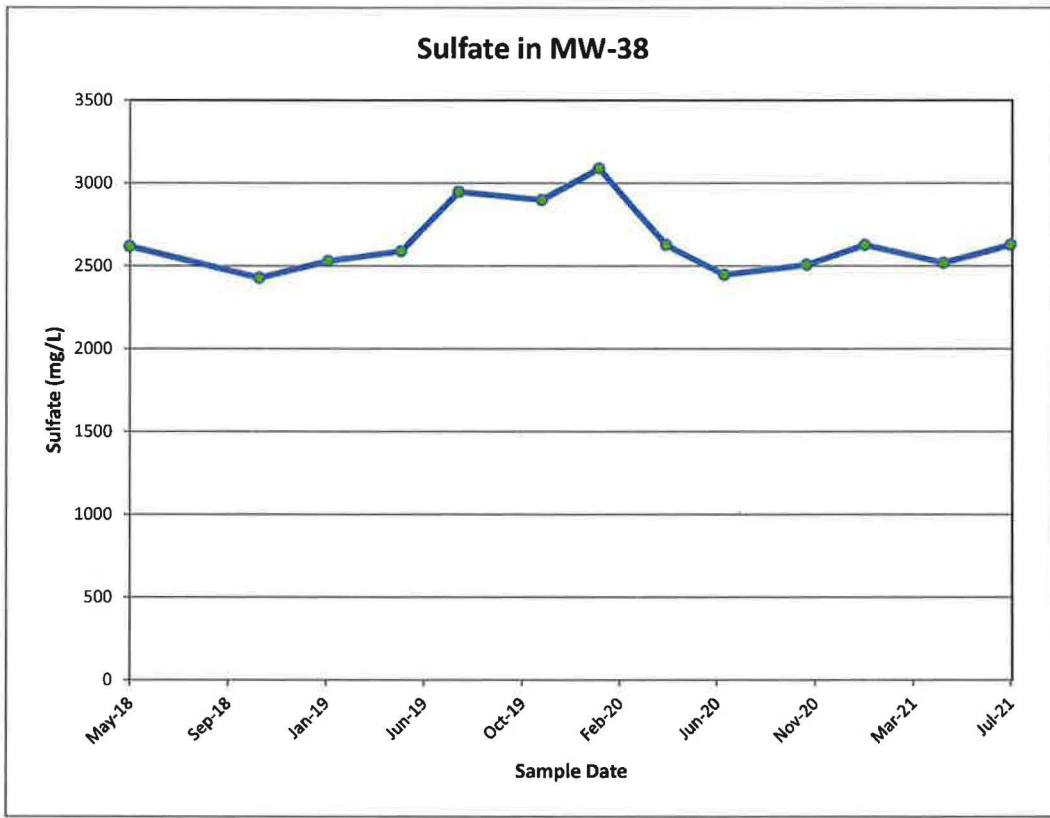
Time concentration plots for MW-37



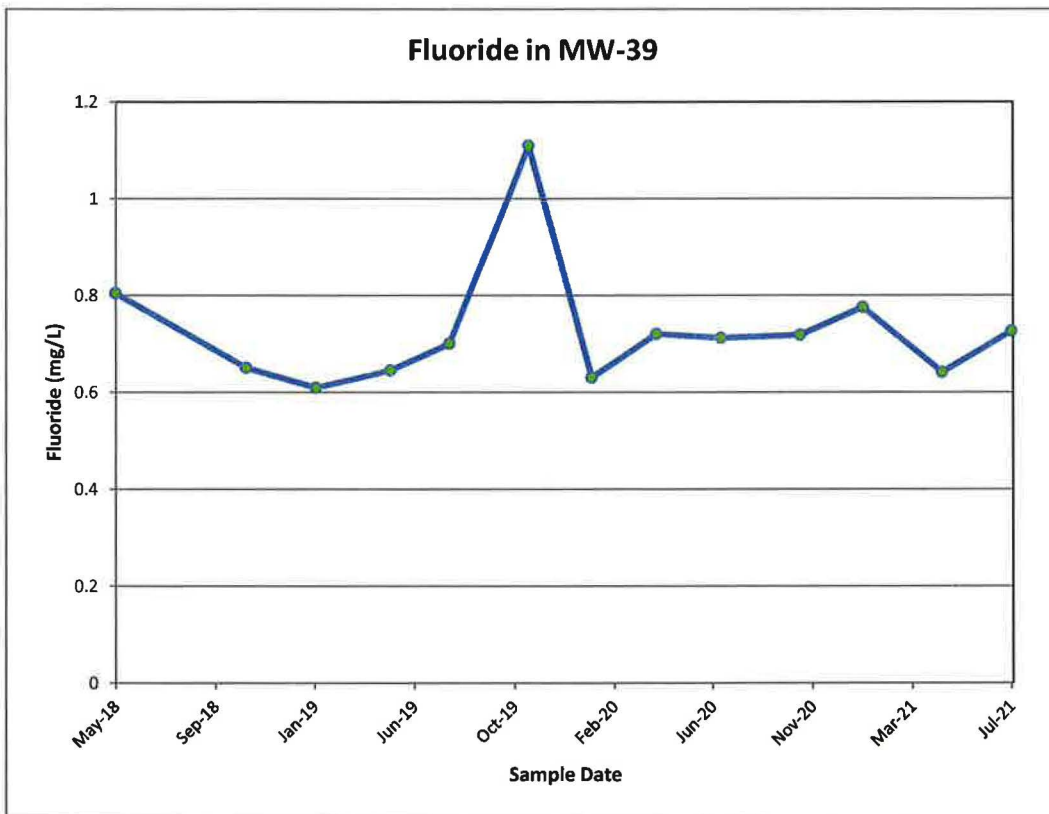
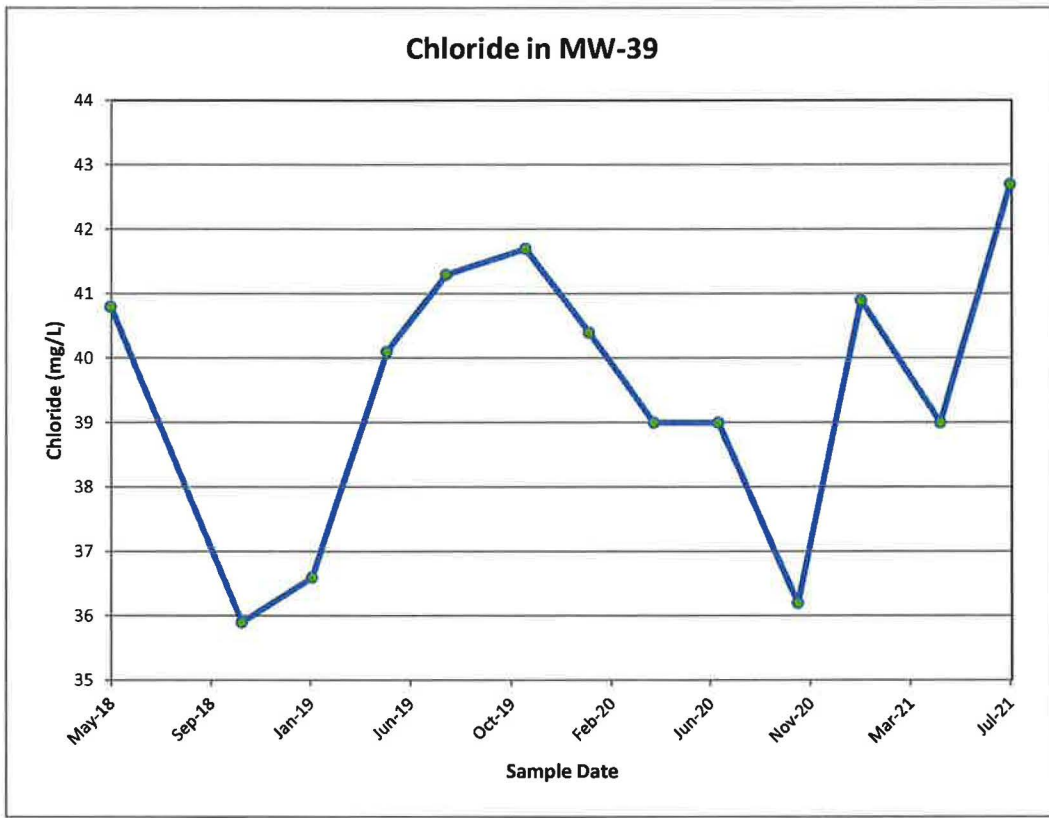
Time concentration plots for MW-38



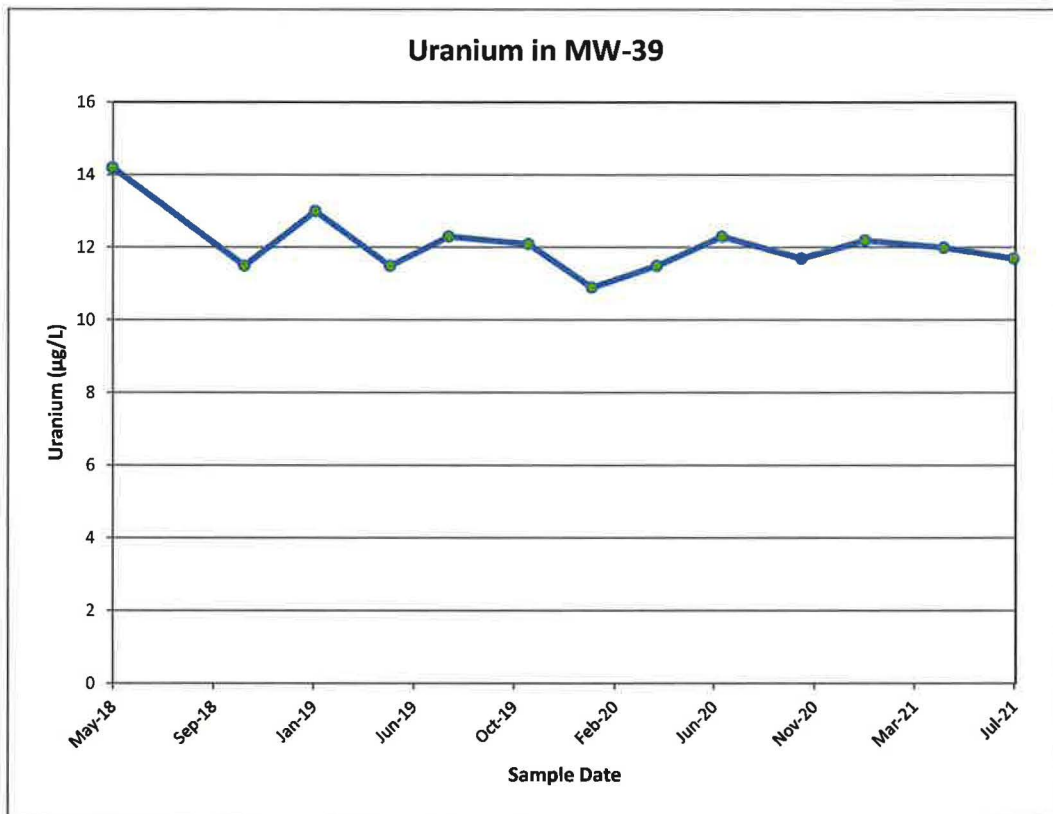
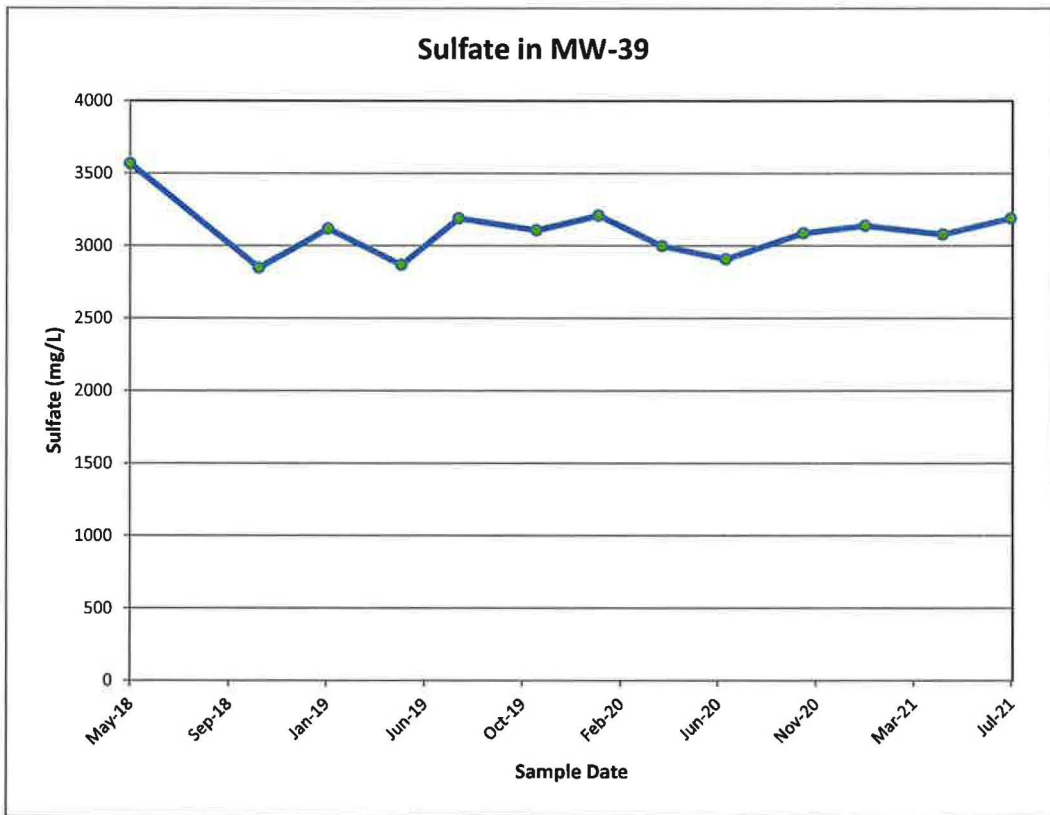
Time concentration plots for MW-38



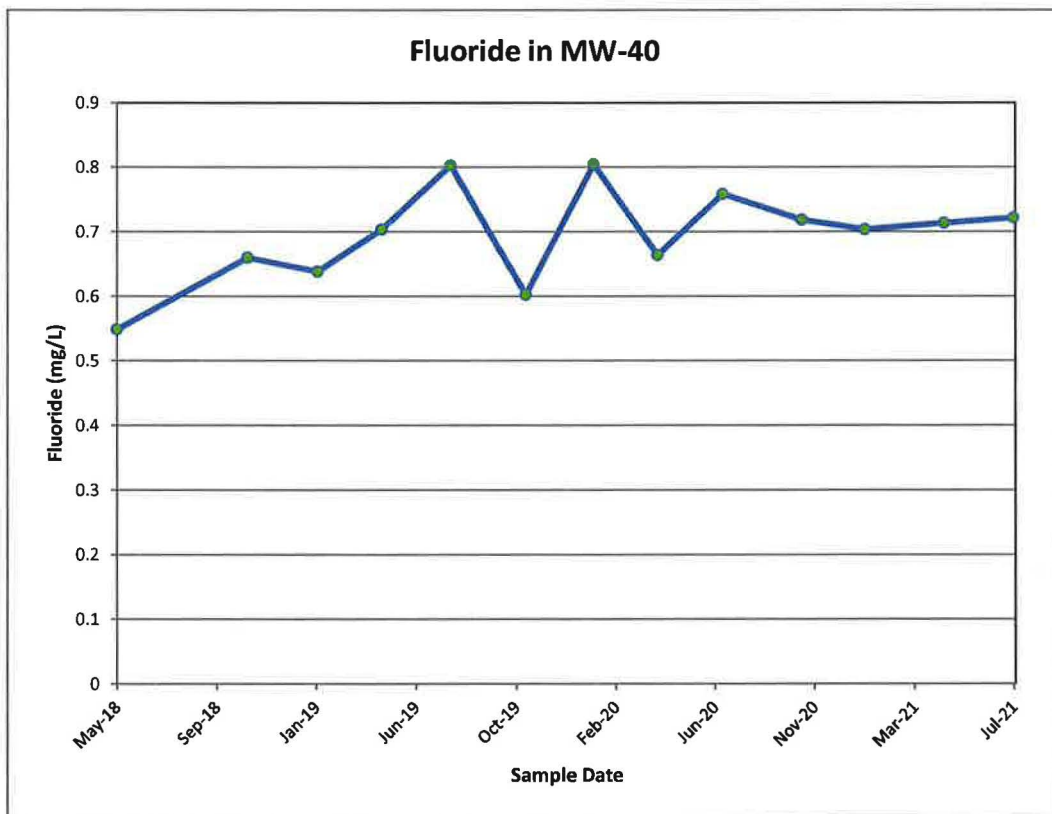
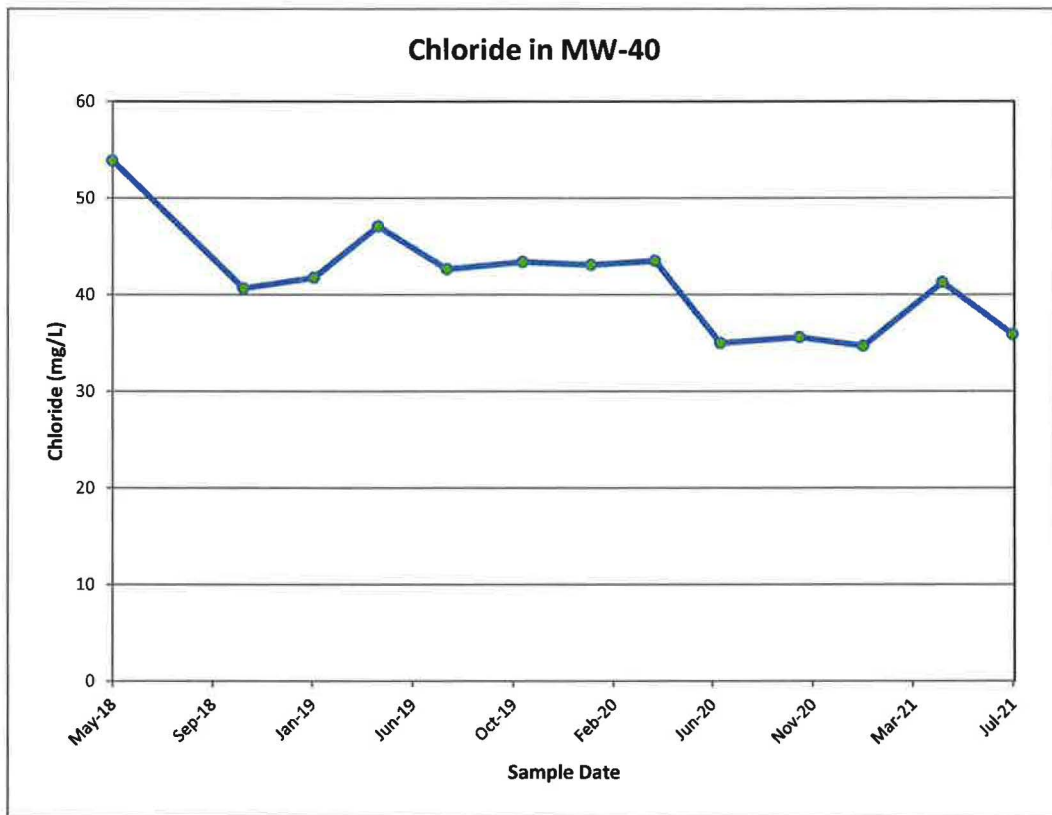
Time concentration plots for MW-39



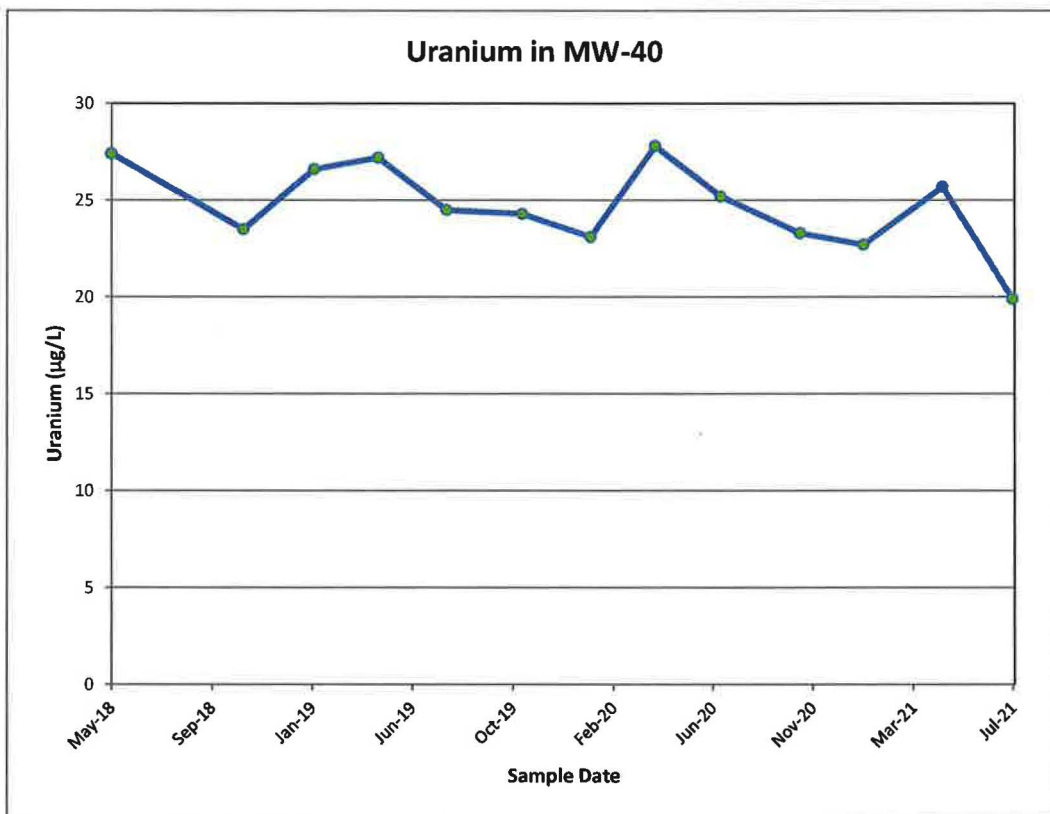
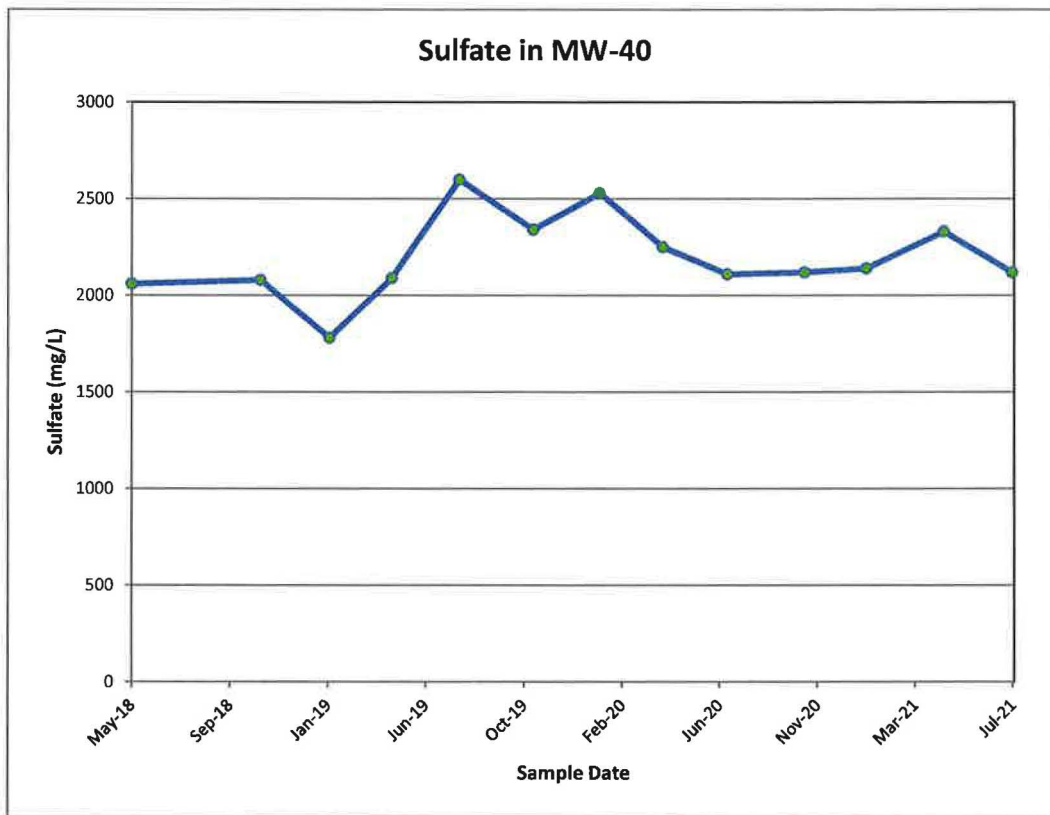
Time concentration plots for MW-39



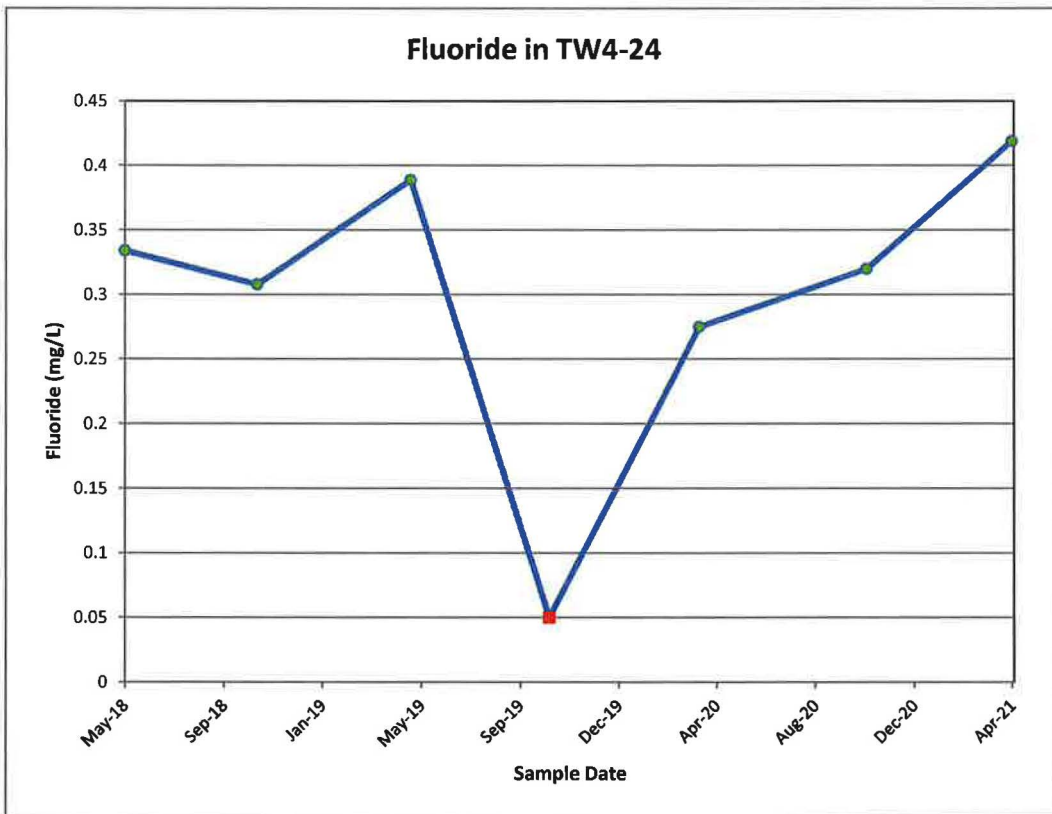
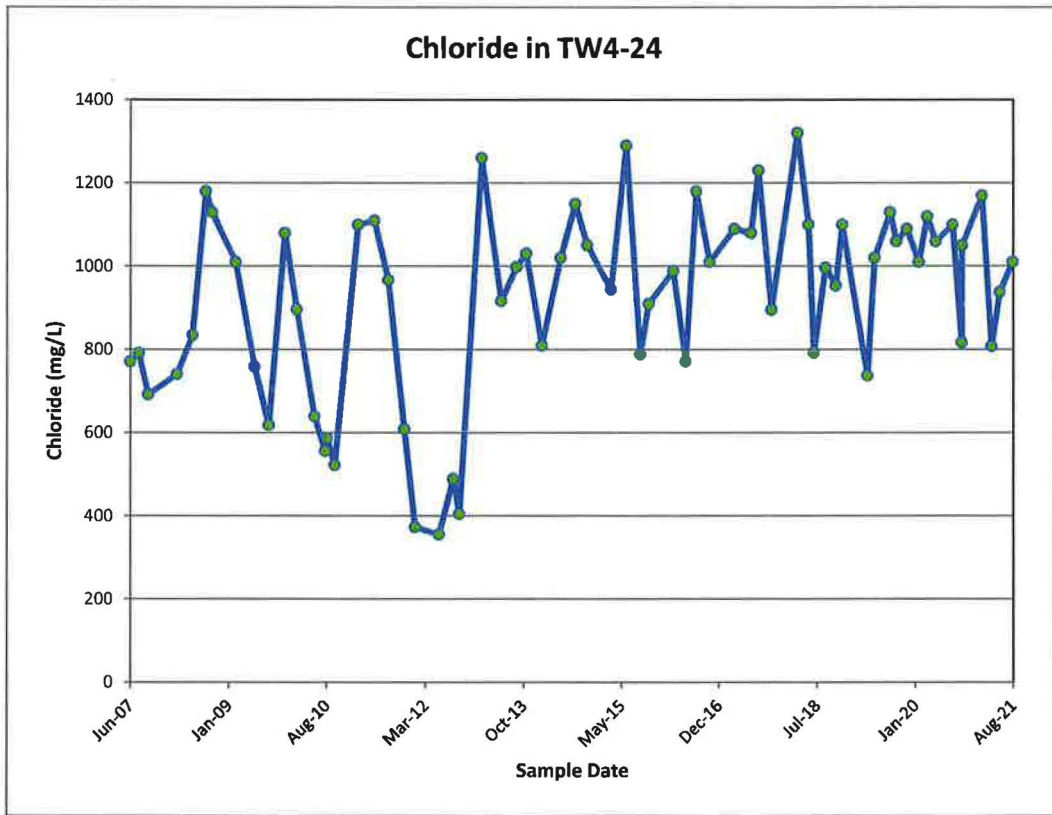
Time concentration plots for MW-40



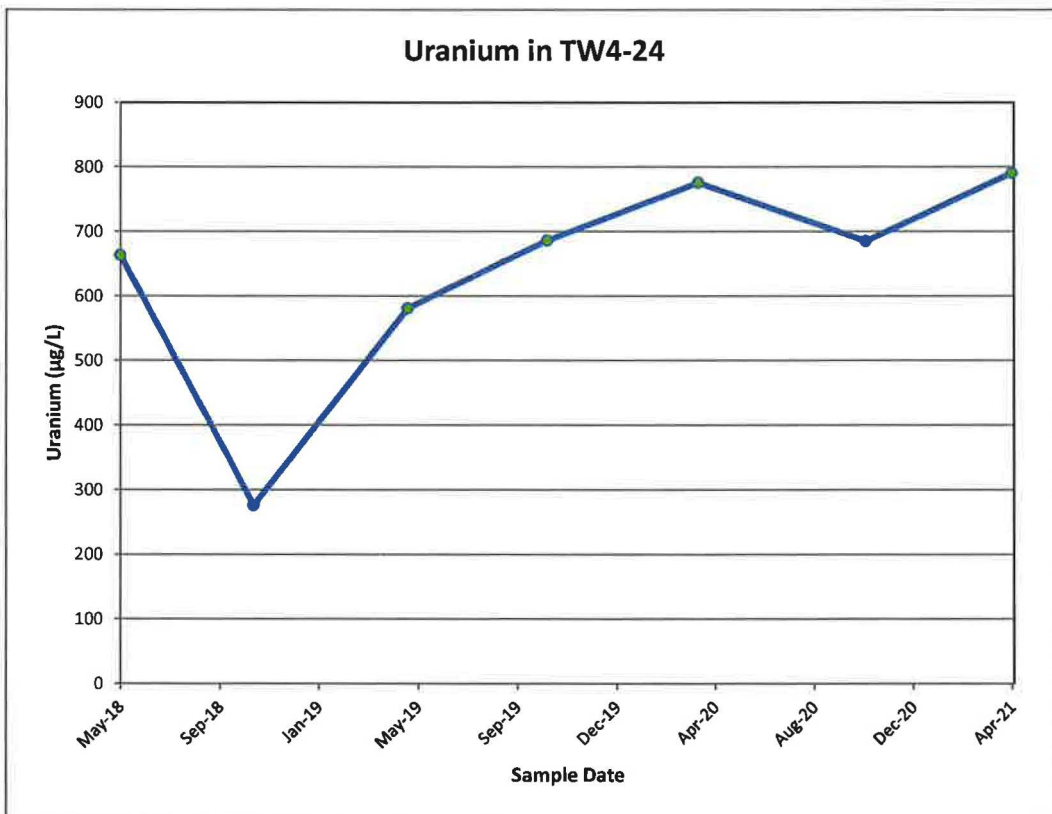
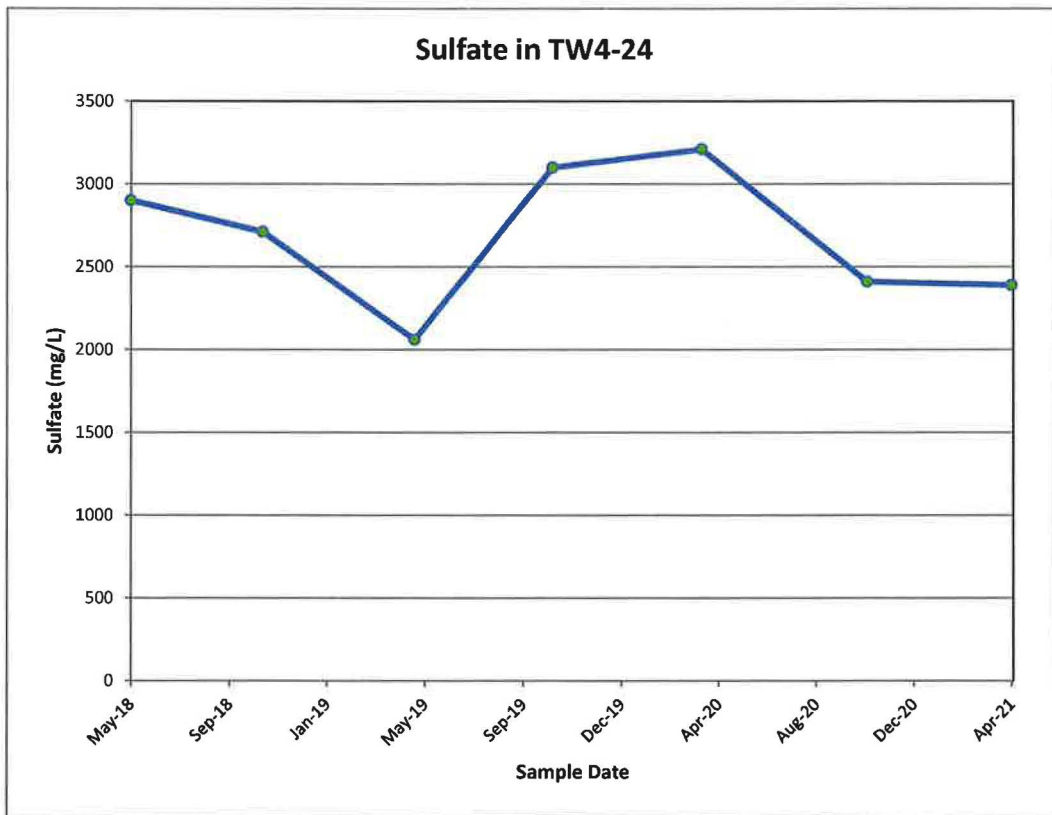
Time concentration plots for MW-40



Time concentration plots for TW4-24



Time concentration plots for TW4-24



Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Tuesday, November 2, 2021 12:09 PM
To: Phillip Goble
Cc: Thomas Rushing; David Frydenlund; Logan Shumway; Garrin Palmer; Scott Bakken
Subject: Transmittal of CSV Files White Mesa Mill 2021 Q3 Groundwater Monitoring
Attachments: Q3 2021 DTW all programs.csv; Q3 2021 GW Analytical Data.csv; Q3 2021 GW 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 third quarter of 2021, 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



Kathy Weinel
Quality Assurance Manager

t:303.389.4134 | c: | f:303.389.4125
KWeinel@energyfuels.com

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Lakewood, CO 80228

<http://www.energyfuels.com>

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