DATA VALIDATION SUMMARY REPORT

for Samples Collected During

Groundwater Monitoring

Fort Wingate Depot Activity

McKinley County, New Mexico

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Parsons – Austin

INTRODUCTION

The following data validation summary report covers nine (9) water samples, and associated field quality control (QC) samples collected on October 9, 2024, at Fort Wingate Depot Activity (FWDA), located in McKinley County, New Mexico. The samples were logged under Sample Delivery Group (SDG) 280-197835.

The samples in this SDG were analyzed for the following parameters: orthophosphate as P by EPA Method 365.1, anions by U.S. EPA Method 9056A, volatile organic compounds (VOCs) by U.S. EPA Method 8260D, semivolatile organic compounds (SVOCs) by U.S. EPA Method 8270E, total petroleum hydrocarbons-gasoline/diesel/oil range organics (TPH-GRO/DRO/ORO) by U.S. EPA Method 8015D, explosives by EPA Method 8330B, perchlorate by EPA Method 6850, metals (total and dissolved) by U.S. EPA Method 6020B and mercury (total and dissolved) by U.S. EPA Method 7470A.

All samples were collected by Eco & Associates, Inc. (ECO) and were submitted for analysis to Eurofins Environmental Testing America (EETA) Denver located in Arvada, Colorado. All containers were received by EETA at temperatures within the required temperature range of 0.1 to 6.0º Celsius. All containers were received at the laboratory in good condition.

All samples were prepared and analyzed following the procedures outlined in the project-specific Uniform Federal Policy - Quality Assurance Project Plan (UFP-QAPP) and the Department of Defense (DoD) Quality Systems Manual (QSM) Version 5.4. The following table details the samples included in this SDG discussed in this report and the analytical parameters performed.

SAMPLE IDS AND REQUESTED PARAMETERS

Client Sample ID	Laboratory Sample ID	Matrix	Parameter
TMW52102024	280-197835-1	Water	O, A
TMW06102024	280-197835-2	Water	O, A
MW37102024	280-197835-3	Water	O, A
MW18D102024	280-197835-4	Water	O, A
TMW15102024	280-197835-5	Water	O, A
TMW35102024	280-197835-6	Water	O, A
MW20102024	280-197835-7	Water	O, A
TMW47102024	280-197835-8	Water	O, A
TMW52102024	280-197835-9	Water	V, S, M, E, TPH, P
TMW06102024	280-197835-10	Water	V, S, M, E, TPH
MW37102024	280-197835-11	Water	V, S, M, E, TPH, P
MW18D102024	280-197835-12	Water	V, S, M, TPH
TMW15102024	280-197835-13	Water	V, M, P
TMW35102024	280-197835-14	Water	V, S, M, P, TPH
MW20102024	280-197835-15	Water	V, S, M, P, TPH
TMW47102024	280-197835-16	Water	V, S, M, P, E
QC09102024TB (Trip Blank)	280-197835-17	Water	V, TPH

Parameters:
A=Anions
O= Orthophosphate as P
V=VOCs
S=SVOCs
TPH=GRO/DRO/ORO
E=Explosives
P=Perchlorate
M=Metals/Mercury

EXTRACTION, ANALYTICAL, AND REPORTING DETAILS

Parameter	Matrix	Prep Method	Analytical Method	Units
Anions	Water	--	SW846 9056A	µg/L
Orthophosphate as P	Water	--	EPA 365.1	µg/L
VOCs	Water	--	SW846 8260D	µg/L
SVOCs	Water	3510C	SW846 8270E	µg/L
TPH GRO	Water	--	SW846 8015D	µg/L
TPH DRO/ORO	Water	3510C	SW846 8015D	µg/L
Explosives	Water	3535	EPA 8330B	µg/L
Perchlorate	Water	--	EPA 6850	µg/L
Metals	Water	3005A/3020A	SW846 6020B	µg/L
Mercury	Water	7470A	SW846 7470A	µg/L

µg/L= micrograms per liter

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and validated at a Stage 2B Validation was performed following the guidelines outlined in the project-specific UFP QAPP, DoD General Data Validation Guidelines, Rev 1 (Nov 2019) and published data validation guideline modules. Information reviewed in the data packages included sample results; field and laboratory quality control results; instrument calibration; calibration verifications; case narratives; sample receipt forms, chain-of-custody (COC) forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the associated analytical method, DoD QSM and QAPP were met.

A table detailing the data qualifiers applied for the samples in this SDG as a result of the data validation process is included as Attachment A to this report. Data validation checklists for each analytical method listed in the table above are also included in this report as Attachment B. An ADR.net summary report is included in this report as Attachment C.

ANIONS

General

The anions portion of this SDG consisted of eight (8) water samples. The samples were collected on October 9, 2024, and were analyzed for anions as specified in the project-specific UFP-QAPP.

The anions analyses were performed in accordance with U.S. EPA Method SW846 9056A. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the Laboratory Control Sample (LCS), Laboratory Control Sample Duplicate (LCSD), Matrix Spike (MS) and

Matrix Spike Duplicate (MSD). Sample TMW15102024 was designated for MS/MSD analysis by the laboratory.

All LCS/LCSD spike recoveries were within acceptance criteria.

All MS/MSD spike recoveries were within acceptance criteria except for the following:

Parent Sample TMW15102024			
Analyte	**MS %REC**	**MSD %REC**	**Criteria**
Chloride	105	113*	87-111%
Nitrate	107	115*	88-111%

*-outside acceptance criteria

Chloride and nitrate recovered high and outside criteria in the MSD. Chloride and nitrate were detected in TMW15102024, as such the results were qualified "J+" as estimated high bias.

Precision

Precision was evaluated using the relative percent difference (RPD) obtained from the LCS/LCSD, MS/MSD and laboratory duplicate concentrations.

All LCS/LCSD, MS/MSD and laboratory duplicate RPDs were within acceptance criteria

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All initial calibration (ICAL) criteria were met.
- The initial calibration verification (ICV) samples were prepared from a second source standard. All ICV criteria were met.
- All initial and continuing calibration blanks (ICB/CCB) criteria were met.

- All continuing calibration verification (CCV) criteria were met except for the following:
    - The CCV associated with batch 670541 recovered above acceptance criteria for nitrate. The associated sample, TMW47102024 was non-detect and qualified "UJ" as estimated at the reporting limit.

Seven laboratory method blanks were associated with the anions analyses in this SDG. The laboratory method blanks were non-detect for all target anions.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for anions for the samples in this SDG were considered usable. Therefore, the completeness for the anions portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

ORTHOPHOSPHATE AS P

General

The orthophosphate portion of this SDG consisted of eight (8) water samples. The samples were collected on October 9, 2024 and were analyzed for orthophosphate as specified in the project-specific UFP-QAPP.

The orthophosphate analyses were performed in accordance with U.S. EPA Method 365.1. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD, and MS/MSD. Sample TMW15102024 was designated for MS/MSD analysis by the laboratory.

All LCS/LCSD and MS/MSD spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All ICB/CCB criteria were met.
- All CCV criteria were met.

One laboratory method blank was associated with the orthophosphate analyses in this SDG. The laboratory method blank was non-detect for orthophosphate.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for orthophosphate for the samples in this SDG were considered usable. Therefore, the completeness for the orthophosphate portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

VOLATILE ORGANIC COMPOUNDS

General

The VOCs portion of this SDG consisted of nine (9) water samples. The samples were collected on October 9, 2024, and were analyzed for VOCs as specified in the project-specific UFP-QAPP.

The VOC analyses were performed in accordance with U.S. EPA Method 8260D. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were prepared and analyzed within the holding time required by the method with the following exception. The method requirement for preservation was not met for sample MW18D102024. The sample was collected in a properly preserved vial however, the pH of 6, was outside the method criteria. The sample was analyzed outside the 7-day holding time for unpreserved samples, as such, all VOCs in the noted sample were qualified “UJ” as estimated at the reporting limit for non-detects, while detections were qualified “J-” as estimated low bias.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD, MS/MSD and the surrogate spikes. Sample TMW15102024 was designated for MS/MSD analysis by the laboratory.

All LCS/LCSD and MS/MSD recoveries were within acceptance criteria.

Surrogate spike compounds were added to every field and QC sample. All surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method with the exception previously noted. The following QC elements were also evaluated:

- All instrument tune criteria were met.
- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met except for the following:
    - The CCV associated with batch 671503 recovered high for bromomethane. The associated samples were non-detect for bromomethane, as such, the results were qualified “UJ” as estimated at the reporting limit.
- All internal standard criteria were met.

Two laboratory method blanks were associated with the VOC analyses in this SDG. The laboratory method blanks were non-detect for all target VOCs.

One trip blank was associated with the VOC analyses in this SDG. The trip blank was non-detect for all target VOCs.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for VOCs for the samples in this SDG were considered usable. Therefore, the completeness for the VOCs portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

SEMI-VOLATILE ORGANIC COMPOUNDS

General

The SVOCs portion of this SDG consisted of seven (7) water samples. The samples were collected on October 9, 2024, and was analyzed for SVOCs as specified in the project-specific UFP-QAPP.

The SVOC analyses were performed in accordance with U.S. EPA Method 8270E. The samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. The samples were prepared and analyzed within the holding time required by the method.

The laboratory noted in the case narrative that one or more samples volumes deviated from the standard procedure due to the matrix consisting of a turbid or yellow liquid. As such, the reporting limits were adjusted and impact to the data was negligible.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS and surrogate spikes.

All LCS spike recoveries were within acceptance criteria.

Surrogate spike compounds were added to every field and QC sample. All surrogate spike recoveries were within acceptance criteria. It should be noted that surrogate 2,4,6-tribromophenol recovery in the CCV associated with batch 671354 was outside of control limits. The surrogate recovery in the associated samples was within control limits; therefore, corrective action was not necessary, and qualification of data was not warranted.

Precision

Precision is evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations. Since a LCSD and MS/MSD were not reported, precision could not be evaluated.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. The samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All instrument tune criteria were met.
- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.
- All internal standard criteria were met. It should be noted that internal standard retention times for the CCV associated with batch 671354 was outside acceptance criteria for the mid-point of the initial calibration. All associated samples were within the acceptance criteria of the daily calibration verification; therefore, corrective action was not necessary, and qualification of data was not warranted.

One laboratory method blank was associated with the SVOC analysis in this SDG. The laboratory method blank was non-detect for all target SVOCs.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for SVOCs for the sample in this SDG were considered usable. Therefore, the completeness for the SVOCs portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

TOTAL PETROLEUM HYDROCARBONS GRO

General

The TPH GRO portion of this SDG consisted of seven (7) water samples. The samples were collected on October 9, 2024, and were analyzed for TPH GRO as specified in the project-specific UFP-QAPP.

The TPH GRO analyses were performed in accordance with U.S. EPA Method 8015D. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were prepared and analyzed within the holding time required by the method with the following exception. The method requirement for preservation was not met for sample MW18D102024. The sample was collected in a properly preserved vial however, the pH of 7, was outside the method criteria. The sample was analyzed outside the 7-day holding time for unpreserved samples, as such, THP GRO in the noted sample was qualified "J-" as estimated low bias.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD and the surrogate spikes.

All LCS/LCSD spike recoveries were within acceptance criteria.

Surrogate spike compounds were added to every field and QC sample. All surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the relative percent difference (RPD) obtained from the LCS/LCSD concentrations.

All LCS/LCSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method with the exception previously noted. The following QC elements were also evaluated:

- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.

One laboratory method blank was associated with the TPH GRO analyses in this SDG. The laboratory method blank was non-detect for TPH GRO.

One trip blank was associated with the TPH GRO analyses in this SDG. The trip blank was non-detect for TPH-GRO.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for TPH GRO for the samples in this SDG were considered usable. Therefore, the completeness for the TPH GRO portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

TOTAL PETROLEUM HYDROCARBONS DRO/ORO

General

The TPH DRO/ORO portion of this SDG consisted of six (6) water samples. The samples were collected on October 9, 2024, and were analyzed for TPH DRO/ORO as specified in the project-specific UFP-QAPP.

The TPH DRO/ORO analysis was performed in accordance with U.S. EPA Method 8015D. The samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. The samples were prepared and analyzed within the holding time required by the method.

The laboratory noted in the case narrative that one or more samples volumes deviated from the standard procedure due to the matrix consisting of a turbid or yellow liquid. As such, the reporting limits were adjusted and impact to the data was negligible.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD and the surrogate spikes. Insufficient sample volume was available to perform an MS/MSD.

All LCS/LCSD spike recoveries were within acceptance criteria.

Surrogate spike compounds were added to every field and QC sample. All surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD concentrations.

All LCS/LCSD RPDs were within acceptance criteria except for the following:

Analyte	%RPD	Criteria
DRO	34	RPD ≤ 30

The LCS/LCSD RPD for DRO exceeded acceptance criteria for batch 671597. The associated samples with detections of DRO were qualified "J" as estimated.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.

One laboratory method blank was associated with the TPH DRO/ORO analysis in this SDG. ORO was detected in the laboratory method blank. The associated samples with ORO detections less than 5 times the method blank detection were qualified "U" as non-detect.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for TPH DRO/ORO for the sample in this SDG are considered usable. Therefore, the completeness for the TPH DRO/ORO portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

EXPLOSIVES

General

The explosives portion of this SDG consisted of four (4) water samples. The samples were collected on October 9, 2024, and were analyzed for explosives as specified in the project-specific UFP-QAPP.

The explosives analyses were performed in accordance with U.S. EPA Method 8330B. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were prepared and analyzed within the holding time required by the method.

The laboratory noted in the case narrative that samples TMW52102024 and MW37102024 required filtration to reduce matrix interference. Impact to the data was negligible and qualification was not warranted.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS and the surrogate spikes.

All LCS spike recoveries were within acceptance criteria.

Surrogate spike compounds were added to every field and QC sample. All surrogate spike recoveries were within acceptance criteria except for the following:

Sample TMW06102024		
Surrogate	**%REC**	**Criteria**
1,2-dinitrobenzene	70	83-119%

Surrogate, 1,2-dinitrobenzene, recovered below acceptance criteria in sample TMW06102024. As such, all explosive analytes were qualified "UJ" as estimated at the reporting limit.

Precision

Precision is evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations. Since a LCSD and MS/MSD were not reported, precision could not be evaluated.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared

and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.
- Dual column confirmation for the field samples could not be evaluated because the results were non-detect.

One laboratory method blank was associated with the explosives analyses in this SDG. The laboratory method blank was non-detect for all target explosives.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for explosives for the samples in this SDG were considered usable. Therefore, the completeness for the explosives portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

PERCHLORATE

General

The perchlorate portion of this SDG consisted of six (6) water samples. The samples were collected on October 9, 2024, and were analyzed for perchlorate as specified in the project-specific UFP-QAPP.

The perchlorate analyses were performed in accordance with U.S. EPA Method 6850. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD, and MS/MSD.

All LCS/LCSD and MS/MSD spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All isotope ratio criteria were met.
- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All interference check solutions (ICS) were within criteria.
- All CCV criteria were met.
- All initial calibration blank (ICB) criteria were met.
- All continuing calibration blank (CCB) criteria were met.
- All internal standard criteria were met.

One laboratory method blank was associated with the perchlorate analyses in this SDG. The laboratory method blank was non-detect for perchlorate.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for perchlorate for the samples in this SDG were considered usable. Therefore, the completeness for the perchlorate portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

METALS

General

The metals portion of this SDG consisted of eight (8) water samples. The samples were collected on October 9, 2024, and were analyzed for total and dissolved metals as specified in the project-specific UFP-QAPP.

The metals analyses were performed in accordance with U.S. EPA Method 6020B. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were prepared and analyzed within the holding time required by the method. Samples MW18D102024 and MW20102024 were improperly preserved in the field, as such, the laboratory added nitric acid to reach the desired pH. Impact to the data was negligible and qualification was not warranted.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS and MS/MSD. Sample TMW15102024 was designated for MS/MSD analysis by the laboratory.

All LCS spike recoveries were within acceptance criteria.

All MS/MSD recoveries were within acceptance criteria except for the following:

Parent Sample TMW15102024			
Analyte	**MS %REC**	**MSD %REC**	**Criteria**
Magnesium	121*	112	83-118%

*-outside acceptance criteria

Magnesium recovered high and outside criteria in the MS. Magnesium was detected in TMW15102024, as such the result was qualified "J+" as estimated high bias. It should be noted that one or more MS/MSD RECs for calcium and sodium exceeded acceptance criteria, however; the sample concentrations are greater than 4 times the MS/MSD spike concentrations. As such, the MS/MSD RECs could not be evaluated, and qualification was not warranted.

Precision

Precision was evaluated using the RPD obtained from the MS/MSD concentrations.

All MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;

- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All instrument tune criteria were met.
- All initial calibration criteria were met.
- The ICV was prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.
- All low-level ICV (LL ICV) criteria were met.
- All ICS were within criteria.
- All ICB criteria were met.
- All CCB criteria were met except for the following:
    - The CCB associated with batch 670743 had a detection of dissolved antimony. Associated samples with detections less than 5 times the CCB detection were qualified "U" as non-detect.
    - The CCBs associated with batch 670573 had detections of calcium, iron, silver, sodium, thallium, manganese, magnesium and zinc. Calcium, sodium, thallium and magnesium were either non-detect or greater than 5 times the CCB detections, as such, no qualification was warranted. One or more associated samples had silver, iron, manganese and zinc detections less than 5 times the CCB detections. As such, the results were qualified "U" as non-detect.
- All internal standard criteria associated with the target metals were met.
- A serial dilution test (DT) was performed on the same sample as the MS/MSD. The DT was only applicable for those metals that failed in the MS/MSD and were detected in the parent sample at a concentration of 50 times the LOQ or greater. All applicable metals met criteria in the DT.
- The post digestion spike (PDS) was performed on the same sample as the MS/MSD. The PDS was only applicable for those metals that failed in the MS/MSD. All PDS recoveries were within acceptance criteria.

Two laboratory method blanks were associated with the metals analyses in this SDG. Aluminum, calcium and magnesium were detected in one or more of the laboratory method blanks. The associated samples with detections less than 5 times the laboratory method blank detections were qualified "U" as non-detect.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for metals for the samples in this SDG were considered usable. Therefore, the completeness for the metals portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

MERCURY

General

The mercury portion of this SDG consisted of eight (8) water samples. The samples were collected on October 9, 2024, and were analyzed for total and dissolved mercury as specified in the project-specific UFP-QAPP.

The mercury analyses were performed in accordance with U.S. EPA Method 7470A. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD and MS/MSD. Sample TMW15102024 was designated for MS/MSD analysis by the laboratory.

All LCS/LCSD and MS/MSD spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the DoD QSM and project QAPP;
- Comparing actual analytical procedures to those described in the DoD QSM and project-specific UFP-QAPP;
- Evaluating holding times; and
- Examining blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the DoD QSM and project-specific UFP-QAPP. All samples were prepared and analyzed within the holding time required by the method. The following QC elements were also evaluated:

- All initial calibration criteria were met.
- The ICV was prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.
- All ICB criteria were met.
- All CCB criteria were met.
- A serial DT was performed on the same sample as the MS/MSD. The DT was only applicable for mercury results that failed in the MS/MSD and were detected in the parent sample at a concentration of 50 times the LOQ or greater. All mercury results met criteria in the DT.
- The PDS was performed on the same sample as the MS/MSD. The PDS was only applicable for those mercury results that failed in the MS/MSD. All PDS recoveries were within acceptance criteria.

Two laboratory method blanks were associated with the mercury analyses in this SDG. The laboratory method blanks were non-detect for mercury.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results for mercury for the samples in this SDG were considered usable. Therefore, the completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

COMPARABILITY

All data was generated using contract-specific standard methods and reported with known data quality, type of analysis, units, etc.

DATA USABILITY

The purpose of this data validation report is to ensure the integrity and reliability of analytical laboratory data. The data quality is evaluated based on precision, accuracy, representativeness, comparability, and completeness (PARCC) characteristics of the data. The validated data indicated that the laboratory correctly performed the analyses. Based on the data quality assessment, none of the data were qualified as rejected.

All data in this SDG are considered usable, as qualified, for the purposes of this project. All Method Quality Objectives have been met.

SENSITIVITY

The detection limit (DL), LOD and limit of quantitation (LOQ) values reported for the samples were compared to those listed in WS #15, Table 15.1 of the QAPP to ensure that sensitivity requirements were met. The DL, LOD, and LOQ values matched those listed in the QAPP before dilutions were taken into account. The following LOQs exceed the project quantitation limits (PQLs):

Methods	Parameters	Samples
8270E	2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl) phthalate, Dibenz(a,h)anthracene, Dibenzofuran, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno[1,2,3-cd]pyrene, Nitrobenzene, N-Nitrosodi-n-propylamine, Pentachlorophenol and Phenol	MW18D102024
8270E	3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Hexachlorocyclopentadiene and Pentachlorophenol	MW20102024
8270E	2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, 4-Nitroaniline, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl) phthalate, Dibenz(a,h)anthracene, Dibenzofuran, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno[1,2,3-cd]pyrene, Nitrobenzene, N-Nitrosodi-n-propylamine, Pentachlorophenol and Phenol	MW37102024
8270E	3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Hexachlorocyclopentadiene and Pentachlorophenol	TMW06102024
8270E	2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl) phthalate, Dibenz(a,h)anthracene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno[1,2,3-cd]pyrene, Nitrobenzene, N-Nitrosodi-n-propylamine, Pentachlorophenol and Phenol	TMW47102024
8270E	2,4,6-Trichlorophenol 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 3,3'-	TMW52102024

Methods	Parameters	Samples
	Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, 4-Nitroaniline, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl) phthalate, Dibenz(a,h)anthracene, Dibenzofuran, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno[1,2,3-cd]pyrene, Nitrobenzene, N-Nitrosodi-n-propylamine, Pentachlorophenol and Phenol	
8015D	DRO	TMW06102024, MW37102024, MW18D102024, TMW35102024, MW20102024 and TMW52102024
8330B	nitroglycerin	MW37102024, TMW47102024 and TMW52102024

DATA QUALIFIER CHANGES

The sample results and final data qualifiers and reason codes that were added, removed, or changed as a result of the data validation process are included in a table as Attachment A to this report.

DATA QUALIFIER DEFINITIONS

The data qualifiers are defined in WS #36, Table 36.2 of the project QAPP as follows.

U = The analyte was not detected and was reported as less than the LOD. The LOD has been adjusted for any dilution or concentration of the sample.

J = The reported result was an estimated value with an unknown bias.

J+ = The reported result was an estimated quantity, but the result may be biased high.

J- = The reported result was an estimated quantity, but the result may be biased low.

UJ = The analyte was not detected and was reported as less than the LOD. However, the reported numerical value is approximate.

X= The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance (J-flag) or rejection (R-flag) of the data should be decided by the project team (which should include a project chemist) during the Data Usability Assessment process.

REASON CODE DEFINITIONS

These data validation reason codes were used to document the logic behind all data validation qualifiers:

Validation Qualifier Reason Codes	Validation Comments
BLL	Concentration in equipment blank at or above reporting limit.
BLM	Concentration in equipment blank less than reporting limit
BLN	Concentration in trip blank at or above reporting limit.
BLO	Concentration in trip blank less than reporting limit.
BLR	Concentration in field blank or decon blank at or above reporting limit.
BLS	Concentration in field blank or decon blank less than reporting limit.
BLT	Concentration in method blank less than reporting limit.
BLU	Concentration in method blank at or above reporting limit.
CO1	Column confirmation RPD exceeds acceptance limit.
CR1	Result exceeded calibration range.
DU1	Field duplicate RPD exceeds acceptance limit.
DU2	Laboratory duplicate RPD exceeds acceptance limit.
DU3	Field Duplicate RPD not calculated but results demonstrate a high degree of variability.
HS	VOA vial has headspace greater than 6 millimeters.
LC1	LCS and/or LCSD recovery above upper acceptance limit.
LC2	LCS and/or LCSD recovery below lower acceptance limit.
LC7	LCS/LCSD RPD exceeds acceptance limit.
MD1	MS and/or MSD recovery above upper acceptance limit.
MD2	MS and/or MSD recovery below lower acceptance limit.
MD5	MS/MSD RPD exceeds acceptance limit.
PJ	Professional judgment used. See specific details in Data Validation Report.
SC1	Analysis holding time exceeded.
SC3	Extraction holding time exceeded.
SC6	Temperature of sample outside acceptance range.
SU1	Surrogate recovery above upper acceptance limit.
SU2	Surrogate recovery below lower acceptance limit.
PR1	Samples not properly preserved.
TR	Result is detected between the reporting limit and detection limit.

ACRONYMS AND ABBREVIATIONS

The following is a list of acronyms and abbreviations that were used in this data validation report.

CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CoC	Chain of Custody
DL	Detection Limit
DoD	Department of Defense
DT	Dilution Test
ETTA	Eurofins Environment Testing America
FWDA	Fort Wingate Depot Activity
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICS	Interference Check Sample
ICV	Initial Calibration Verification
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection
LOQ	Limit of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Project Quantitation Limit
PDS	Post Digestion Spike
QC	Quality Control
QSM	Quality Systems Manual
RPD	Relative Percent Difference
SDG	Sample Delivery Group
UFP-QAPP	Uniform Federal Policy – Quality Assurance Project Plan

Attachment A

Validated Data Summary

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
Northern Area Groundwater Sampling
Validated Data Summary for Water Samples Collected September and October 2024

SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	MW18D102024		MW20102024		MW37102024		TMW06102024		TMW15102024		TMW35102024		TMW47102024		TMW52102024	
DATE SAMPLED:			10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024	
LAB SAMPLE ID:			280-197835-12 280-197835-4		280-197835-15 280-197835-7		280-197835-11 280-197835-3		280-197835-10 280-197835-2		280-197835-13 280-197835-5		280-197835-14 280-197835-6		280-197835-16 280-197835-8		280-197835-9 280-197835-1	
	Unit																	
Volatile Organics - SW8260D																		
1,1,1,2-Tetrachloroethane	µg/L	5.7	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	µg/L	200	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	µg/L	10	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	µg/L	25	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	µg/L	7	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	µg/L	4.7	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	µg/L	7	4.0	UJ	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0	U
1,2,3-Trichloropropane	µg/L	2.5	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	µg/L	70	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	µg/L	56	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	µg/L	5	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane (EDB)	µg/L	1	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	µg/L	600	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	µg/L	5	**81**	**J-**	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	µg/L	60	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	µg/L	75	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	µg/L	370	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	µg/L	75	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	µg/L	5,600	10	UJ	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Chlorotoluene	µg/L	240	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Hexanone	µg/L	38	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chlorotoluene	µg/L	250	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
4-Isopropyltoluene	µg/L	450	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
4-Methyl-2-pentanone (MIBK)	µg/L	6,300	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	µg/L	18,000	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Benzene	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	µg/L	62	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	µg/L	83	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	µg/L	80	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	µg/L	80	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Bromomethane	µg/L	7.5	5.0	UJ	5.0	U	5.0	UJ	5.0	UJ	5.0	UJ	5.0	U	5.0	U	5.0	UJ

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
Northern Area Groundwater Sampling
Validated Data Summary for Water Samples Collected September and October 2024

SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	MW18D102024		MW20102024		MW37102024		TMW06102024		TMW15102024		TMW35102024		TMW47102024		TMW52102024	
DATE SAMPLED:			10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024	
LAB SAMPLE ID:			280-197835-12 280-197835-4		280-197835-15 280-197835-7		280-197835-11 280-197835-3		280-197835-10 280-197835-2		280-197835-13 280-197835-5		280-197835-14 280-197835-6		280-197835-16 280-197835-8		280-197835-9 280-197835-1	
Carbon disulfide	µg/L	810	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	**1.5**	**J**	2.0	U
Carbon tetrachloride	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	µg/L	100	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	µg/L	8,300	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Chloroform	µg/L	80	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	µg/L	190	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
cis-1,2-Dichloroethene	µg/L	70	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	µg/L	4.7	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	µg/L	80	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	µg/L	8.3	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	µg/L	200	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Ethylbenzene	µg/L	700	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	µg/L	2	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Isopropylbenzene	µg/L	450	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl acetate	µg/L	20,000	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether (MTBE)	µg/L	100	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methylene chloride	µg/L	5	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
m-Xylene & p-Xylene	µg/L	620	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Naphthalene	µg/L	30	3.0	UJ	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
n-Butylbenzene	µg/L	1,000	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
n-Propylbenzene	µg/L	660	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	µg/L	620	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	µg/L	2,000	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	µg/L	100	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	µg/L	690	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	µg/L	1,000	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	µg/L	100	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	µg/L	4.7	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethene	µg/L	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	µg/L	5,200	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Vinyl chloride	µg/L	2	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	MW18D102024		MW20102024		MW37102024		TMW06102024		TMW15102024	TMW35102024		TMW47102024		TMW52102024	
DATE SAMPLED:			10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024	10/09/2024		10/09/2024		10/09/2024	
LAB SAMPLE ID:			280-197835-12 280-197835-4		280-197835-15 280-197835-7		280-197835-11 280-197835-3		280-197835-10 280-197835-2		280-197835-13 280-197835-5	280-197835-14 280-197835-6		280-197835-16 280-197835-8		280-197835-9 280-197835-1	
Semivolatile Organics - SW8270E																	
2,2'-Oxybis (1-chloropropane)	µg/L	710	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2,4,5-Trichlorophenol	µg/L	1,200	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2,4,6-Trichlorophenol	µg/L	12	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2,4-Dichlorophenol	µg/L	46	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2,4-Dimethylphenol	µg/L	360	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2,4-Dinitrophenol	µg/L	39	60	U	31	U	150	U	31	U	--	28	U	34	U	150	U
2,4-Dinitrotoluene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2,6-Dinitrotoluene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2-Chloronaphthalene	µg/L	750	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
2-Chlorophenol	µg/L	91	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2-Methylnaphthalene	µg/L	30	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
2-Methylphenol	µg/L	930	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2-Nitroaniline	µg/L	190	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
2-Nitrophenol	µg/L	na	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
3 & 4 Methylphenol	µg/L	370	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
3,3'-Dichlorobenzidine	µg/L	50	100	U	52	U	250	U	51	U	--	47	U	56	U	250	U
3-Nitroaniline	µg/L	38	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
4,6-Dinitro-2-methylphenol	µg/L	50	100	U	52	U	250	U	51	U	--	47	U	56	U	250	U
4-Bromophenyl phenyl ether	µg/L	na	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
4-Chloro-3-methylphenol	µg/L	1,400	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
4-Chloroaniline	µg/L	20	40	U	21	U	100	U	20	U	--	19	U	22	U	100	U
4-Chlorophenyl phenyl ether	µg/L	na	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
4-Nitroaniline	µg/L	38	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
4-Nitrophenol	µg/L	na	50	U	26	U	130	U	26	U	--	23	U	28	U	130	U
Acenaphthene	µg/L	530	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Acenaphthylene	µg/L	120	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Anthracene	µg/L	1,800	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Benzaldehyde	µg/L	190	10	U	5.2	U	25	U	5.1	U	--	4.7	U	5.6	U	25	U
Benz(a)anthracene	µg/L	4	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Benzo(a)pyrene	µg/L	4	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Benzo(b)fluoranthene	µg/L	4	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Benzo(g,h,i)perylene	µg/L	120	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U

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Benzo(k)fluoranthene	µg/L	25	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
bis(2-Chloroethoxy)methane	µg/L	59	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
bis(2-Chloroethyl)ether	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
bis(2-Ethylhexyl)phthalate	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Butyl benzyl phthalate	µg/L	160	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Caprolactam	µg/L	9,900	30	U	16	U	75	U	15	U	--	14	U	17	U	75	U
Carbazole	µg/L	290	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Chrysene	µg/L	250	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Dibenz(a,h)anthracene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Dibenzofuran	µg/L	7.9	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Diethyl phthalate	µg/L	15,000	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Dimethyl phthalate	µg/L	na	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Di-n-butyl phthalate	µg/L	900	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Di-n-octyl phthalate	µg/L	200	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Fluoranthene	µg/L	800	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Fluorene	µg/L	290	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Hexachlorobenzene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Hexachlorobutadiene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Hexachlorocyclopentadiene	µg/L	50	100	U	52	U	250	U	51	U	--	47	U	56	U	250	U
Hexachloroethane	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Indeno(1,2,3-cd)pyrene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Isophorone	µg/L	780	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Naphthalene	µg/L	30	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Nitrobenzene	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
n-Nitrosodi-n-propylamine	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
N-Nitrosodiphenylamine	µg/L	120	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Pentachlorophenol	µg/L	50	100	U	52	U	250	U	51	U	--	47	U	56	U	250	U
Phenanthrene	µg/L	170	8.0	U	4.2	U	20	U	4.1	U	--	3.7	U	4.5	U	20	U
Phenol	µg/L	10	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Pyrene	µg/L	120	20	U	10	U	50	U	10	U	--	9.3	U	11	U	50	U
Petroleum Hydrocarbons - SW8015D																	
Gasoline Range Organics (GRO) C6-C10	µg/L	25	**50**	**J-**	25	U	25	U	25	U	--	25	U	--		25	U
Diesel Range Organics (DRO) C10-C28	µg/L	250	**45**	**J**	**52**	**J**	500	U	280	U	--	**41**	**J**	--		1,300	U
Oil Range Organics (ORO) C20-C38	µg/L	60,200	540	U	550	U	1,000	U	560	U	--	540	U	--		2,500	U

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DATE SAMPLED:			10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024	
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Explosives - SW8330B																		
1,3,5-Trinitrobenzene	µg/L	590	--		--		0.22	U	0.21	UJ	--		--		0.23	U	0.23	U
1,3-Dinitrobenzene	µg/L	2	--		--		0.12	U	0.11	UJ	--		--		0.12	U	0.12	U
2,4,6-Trinitrotoluene (TNT)	µg/L	9.8	--		--		0.12	U	0.11	UJ	--		--		0.12	U	0.12	U
2,4-Dinitrotoluene	µg/L	2.4	--		--		0.11	U	0.099	UJ	--		--		0.11	U	0.11	U
2,6-Dinitrotoluene	µg/L	0.49	--		--		0.11	U	0.099	UJ	--		--		0.11	U	0.11	U
2-Amino-4,6-dinitrotoluene	µg/L	1.9	--		--		0.12	U	0.11	UJ	--		--		0.12	U	0.12	U
4-Amino-2,6-dinitrotoluene	µg/L	1.9	--		--		0.16	U	0.15	UJ	--		--		0.16	U	0.16	U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	9.7	--		--		0.22	U	0.21	UJ	--		--		0.23	U	0.23	U
m-Nitrotoluene	µg/L	1.7	--		--		0.42	U	0.40	UJ	--		--		0.44	U	0.43	U
Nitrobenzene	µg/L	1.4	--		--		0.22	U	0.21	UJ	--		--		0.23	U	0.23	U
Nitroglycerin	µg/L	2.1	--		--		2.2	U	2.1	UJ	--		--		2.3	U	2.3	U
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	1,000	--		--		0.22	U	0.21	UJ	--		--		0.23	U	0.23	U
o-Nitrotoluene	µg/L	3.1	--		--		0.22	U	0.21	UJ	--		--		0.23	U	0.23	U
Pentaerythritol Tetranitrate (PETN)	µg/L	170	--		--		1.2	U	1.1	UJ	--		--		1.2	U	1.2	U
p-Nitrotoluene	µg/L	43	--		--		0.43	U	0.40	UJ	--		--		0.45	U	0.44	U
Trinitrophenylmethylnitramine (Tetryl)	µg/L	39	--		--		0.12	U	0.11	UJ	--		--		0.12	U	0.12	U
Perchlorate - SW6850																		
Perchlorate	µg/L	14	--		**0.55**		0.20	U	--		**0.045**	**J**	0.20	U	0.20	U	0.20	U
Metals, Total - SW6020B/SW7470A																		
Aluminum	µg/L	200	**76**	**J**	200	U	**6,400**		200	U	200	U	200	U	200	U	**5,800**	
Antimony	µg/L	6	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Arsenic	µg/L	10	**0.76**	**J**	**0.78**	**J**	**1.7**	**J**	**1.4**	**J**	5.0	U	5.0	U	**0.70**	**J**	**6.5**	
Barium	µg/L	2,000	**17**		**16**		**99**		**16**		**23**		**11**		**11**		**100**	
Beryllium	µg/L	4	1.0	U	1.0	U	**0.42**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	**0.83**	**J**
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**75,000**		**250,000**		**33,000**		**35,000**		**18,000**		**74,000**		**6,800**		**24,000**	
Chromium	µg/L	50	3.0	U	**1.0**	**J**	**4.8**		3.0	U	**1.1**	**J**	3.0	U	3.0	U	**8.2**	
Cobalt	µg/L	50	**0.39**	**J**	**1.3**		**2.2**		1.0	U	1.0	U	1.0	U	1.0	U	**2.9**	
Copper	µg/L	1,000	**1.3**	**J**	**2.4**		**3.1**		**8.3**		2.0	U	**1.2**	**J**	2.0	U	**7.2**	
Iron	µg/L	300	**150**	**J**	**210**		**3,600**		200	U	200	U	200	U	200	U	**3,500**	
Lead	µg/L	15	1.0	U	1.0	U	**2.0**		1.0	U	1.0	U	1.0	U	1.0	U	**2.5**	
Magnesium	µg/L	na	**19,000**		**50,000**		**6,600**		**7,300**		**3,300**	**J+**	**13,000**		**740**		**2,100**	
Manganese	µg/L	50	**690**		**1,600**		**580**		**43**		3.0	U	**26**		**34**		**340**	
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	**2.9**	**J**	**3.3**		**5.4**		3.0	U	3.0	U	3.0	U	3.0	U	**5.2**	
Potassium	µg/L	na	**410**	**J**	**710**	**J**	**1,500**		**270**	**J**	**310**	**J**	**250**	**J**	**730**	**J**	**1,700**	
Selenium	µg/L	50	5.0	U	**76**		5.0	U	5.0	U	**12**		**1.7**	**J**	5.0	U	**3.7**	**J**
Silver	µg/L	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	µg/L	na	**2,000,000**		**3,000,000**		**600,000**		**890,000**		**580,000**		**1,100,000**		**610,000**		**440,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**2.4**	**J**	5.0	U	**10**		**3.9**	**J**	**1.8**	**J**	**1.7**	**J**	5.0	U	**26**	
Zinc	µg/L	5,000	**8.3**	**J**	**110**		**12**		10	U	10	U	10	U	10	U	**14**	

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Metals, Dissolved - SW6020B/SW7470A																		
Aluminum	µg/L	200	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U
Antimony	µg/L	6	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Arsenic	µg/L	10	**0.83**	**J**	**0.92**	**J**	**1.1**	**J**	**1.1**	**J**	5.0	U	**0.67**	**J**	5.0	U	**5.5**	
Barium	µg/L	2,000	**17**		**17**		**33**		**16**		**24**		**11**		**13**		**13**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**69,000**		**70,000**		**19,000**		**38,000**		**16,000**		**70,000**		**6,400**		**4,100**	
Chromium	µg/L	50	3.0	U	3.0	U	3.0	U	3.0	U	**1.2**	**J**	3.0	U	3.0	U	**2.4**	**J**
Cobalt	µg/L	50	**0.40**	**J**	**0.44**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	µg/L	1,000	**0.94**	**J**	**1.0**	**J**	**1.6**	**J**	**7.6**		2.0	U	**1.4**	**J**	2.0	U	**0.85**	**J**
Iron	µg/L	300	**110**	**J**	**110**	**J**	**16**	**J**	**8.7**	**J**	200	U	**69**	**J**	**12**	**J**	200	U
Lead	µg/L	15	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Magnesium	µg/L	na	**21,000**		**21,000**		**4,800**		**8,000**		**3,300**	**J+**	**15,000**		**720**		**480**	
Manganese	µg/L	50	**730**		**740**		**17**		**38**		3.0	U	**24**		**37**		3.0	U
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	**2.8**	**J**	**2.5**	**J**	**1.1**	**J**	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	µg/L	na	**430**	**J**	**420**	**J**	**150**	**J**	**230**	**J**	**300**	**J**	**250**	**J**	**770**	**J**	**700**	**J**
Selenium	µg/L	50	5.0	U	5.0	U	5.0	U	5.0	U	**12**		**1.5**	**J**	5.0	U	**3.7**	**J**
Silver	µg/L	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	µg/L	na	**2,100,000**		**2,200,000**		**670,000**		**980,000**		**580,000**		**1,100,000**		**620,000**		**500,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**2.9**	**J**	**2.8**	**J**	**2.9**	**J**	**4.5**	**J**	**2.2**	**J**	**2.2**	**J**	5.0	U	**19**	
Zinc	µg/L	5,000	**5.4**	**J**	**5.2**	**J**	10	U	10	U	**9.7**	**J**	10	U	**2.1**	**J**	10	U

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
Northern Area Groundwater Sampling
Validated Data Summary for Water Samples Collected September and October 2024

SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	MW18D102024		MW20102024		MW37102024		TMW06102024		TMW15102024		TMW35102024		TMW47102024		TMW52102024	
DATE SAMPLED:			10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024		10/09/2024	
LAB SAMPLE ID:			280-197835-12 280-197835-4		280-197835-15 280-197835-7		280-197835-11 280-197835-3		280-197835-10 280-197835-2		280-197835-13 280-197835-5		280-197835-14 280-197835-6		280-197835-16 280-197835-8		280-197835-9 280-197835-1	
General Chemistry																		
Orthophosphate as P - EPA 365.1																		
Orthophosphate as P	µg/L	20,000	**27**	**J**	50	U	**38**	**J**	**150**		**25**	**J**	**25**	**J**	**28**	**J**	**38**	**J**
Anions - SW9056A																		
Bromide	µg/L	na	500	U	500	U	500	U	500	U	**600**		500	U	500	U	500	U
Chloride	µg/L	250,000	**660,000**		**1,200,000**		**180,000**		**120,000**		**65,000**	**J+**	**260,000**		**74,000**		**69,000**	
Fluoride	µg/L	1,600	**930**	**J**	**500**	**J**	**1,400**		**1,000**		**2,000**		**800**	**J**	**2,100**		**1,500**	
Nitrate as N	µg/L	10,000	500	U	**22,000**		500	U	**13,000**		**1,900**	**J+**	**6,700**		500	UJ	**1,600**	
Nitrite as N	µg/L	1,000	**1,700**		**1,400**		500	U	**160**	**J**	500	U	**140**	**J**	500	U	500	U
Sulfate	µg/L	250,000	**2,300,000**		**3,700,000**		**470,000**		**760,000**		**230,000**		**1,300,000**		**820,000**		**410,000**	

QA NOTES AND DATA QUALIFIERS:

* - Field duplicate of sample on left.
(NO CODE) - Confirmed identification.
U - Analyte was analyzed for but not detected above the reported limit of quantitation (LOQ).
UJ - Analyte not detected, reported LOQ may be inaccurate or imprecise.
J - Analyte detected, estimated concentration.
J- - Analyte detected, estimated concentration with a low bias.
J+ - Analyte detected, estimated concentration with a high bias.
X - The presence or absence of the analyte cannot be substantiated due to deficiencies in meeting QC criteria.
Detections are bolded.

Detections above the PQLG are highlighted.

NOTES:

[1] The PQLG is the lower of the New Mexico Water Quality Control Commission standard (NM WQCC) and the EPA MCL. If the analyte does not have an NM WQCC or MCL but has an EPA Tap Water RSL, the lower value between the adjusted carcinogenic RSL (target excess cancer risk level of 1 x 10-5) and the non-carcinogenic RSL (with a target hazard index of 1.0) was selected.

µg/L - micrograms per liter
na - Limit not available
-- Analyte was not tested.

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
Northern Area Groundwater Sampling
Validated Data Summary for Water QC Samples Collected
September and October 2024

SAMPLE ID:		QC09102024TB	
DATE SAMPLED:		10/09/2024	
LAB SAMPLE ID:		280-197835-17	
	Unit		
Volatile Organics - SW8260D			
1,1,1,2-Tetrachloroethane	µg/L	1.0	U
1,1,1-Trichloroethane	µg/L	1.0	U
1,1,2,2-Tetrachloroethane	µg/L	1.0	U
1,1,2-Trichloroethane	µg/L	1.0	U
1,1-Dichloroethane	µg/L	1.0	U
1,1-Dichloroethene	µg/L	1.0	U
1,1-Dichloropropene	µg/L	1.0	U
1,2,3-Trichlorobenzene	µg/L	4.0	U
1,2,3-Trichloropropane	µg/L	2.5	U
1,2,4-Trichlorobenzene	µg/L	1.0	U
1,2,4-Trimethylbenzene	µg/L	1.0	U
1,2-Dibromo-3-chloropropane	µg/L	5.0	U
1,2-Dibromoethane (EDB)	µg/L	1.0	U
1,2-Dichlorobenzene	µg/L	1.0	U
1,2-Dichloroethane	µg/L	1.0	U
1,2-Dichloropropane	µg/L	1.0	U
1,3,5-Trimethylbenzene	µg/L	1.0	U
1,3-Dichlorobenzene	µg/L	1.0	U
1,3-Dichloropropane	µg/L	1.0	U
1,4-Dichlorobenzene	µg/L	1.0	U
2,2-Dichloropropane	µg/L	1.0	U
2-Butanone (MEK)	µg/L	10	U
2-Chlorotoluene	µg/L	1.0	U
2-Hexanone	µg/L	5.0	U
4-Chlorotoluene	µg/L	1.0	U
4-Isopropyltoluene	µg/L	1.0	U
4-Methyl-2-pentanone (MIBK)	µg/L	5.0	U
Acetone	µg/L	15	U
Benzene	µg/L	1.0	U
Bromobenzene	µg/L	1.0	U
Bromochloromethane	µg/L	1.0	U
Bromodichloromethane	µg/L	1.0	U
Bromoform	µg/L	2.0	U
Bromomethane	µg/L	5.0	UJ
Carbon disulfide	µg/L	2.0	U
Carbon tetrachloride	µg/L	1.0	U
Chlorobenzene	µg/L	1.0	U
Chloroethane	µg/L	2.0	U
Chloroform	µg/L	1.0	U
Chloromethane	µg/L	2.0	U
cis-1,2-Dichloroethene	µg/L	1.0	U
cis-1,3-Dichloropropene	µg/L	1.0	U
Dibromochloromethane	µg/L	1.0	U
Dibromomethane	µg/L	1.0	U
Dichlorodifluoromethane	µg/L	2.0	U
Ethylbenzene	µg/L	1.0	U

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
Northern Area Groundwater Sampling
Validated Data Summary for Water QC Samples Collected
September and October 2024

SAMPLE ID:		QC09102024TB	
DATE SAMPLED:		10/09/2024	
LAB SAMPLE ID:		280-197835-17	
Hexachlorobutadiene	µg/L	2.0	U
Isopropylbenzene	µg/L	1.0	U
Methyl acetate	µg/L	5.0	U
Methyl tert-butyl ether (MTBE)	µg/L	5.0	U
Methylene chloride	µg/L	2.0	U
m-Xylene & p-Xylene	µg/L	2.0	U
Naphthalene	µg/L	3.0	U
n-Butylbenzene	µg/L	1.0	U
n-Propylbenzene	µg/L	1.0	U
o-Xylene	µg/L	1.0	U
sec-Butylbenzene	µg/L	1.0	U
Styrene	µg/L	1.0	U
tert-Butylbenzene	µg/L	1.0	U
Tetrachloroethene	µg/L	1.0	U
Toluene	µg/L	1.0	U
trans-1,2-Dichloroethene	µg/L	1.0	U
trans-1,3-Dichloropropene	µg/L	1.0	U
Trichloroethene	µg/L	1.0	U
Trichlorofluoromethane	µg/L	2.0	U
Vinyl chloride	µg/L	1.0	U
Petroleum Hydrocarbons - SW8015D			
Gasoline Range Organics (GRO) C6-C10	µg/L	25	U
Diesel Range Organics (DRO) C10-C28	µg/L	--	
Oil Range Organics (ORO) C20-C38	µg/L	--	

QA NOTES AND DATA QUALIFIERS:

(NO CODE) - Confirmed identification.
U - Analyte was analyzed for but not detected above the reported limit of detection (LOQ).
UJ - Analyte not detected, reported LOQ may be inaccurate or imprecise.
J - Analyte detected, estimated concentration.
Detections are bolded.

NOTES:

µg/L - micrograms per liter
-- Analyte was not tested.

Attachment B

Checklists

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 6020 & 7470

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	Y	
III.	Instrument performance check/Tune	Y	
IV.	Initial calibration/ICV/LLICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB, ICB/CCB	N	See DVR
VI.	Field blanks	NA	
VII.	Interference check standard	Y	
VIII.	Matrix spike/Matrix spike duplicate	N	See DVR
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	Y	
XII.	Dilution test	Y	
XIII.	Post digestion spike	Y	
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 6850

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	Y	
III.	Instrument performance check/Tune	NA	
IV.	Initial calibration/ICV/LLICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB, ICB/CCB	Y	
VI.	Field blanks	NA	
VII.	Surrogate spikes	NA	
VIII.	Matrix spike/Matrix spike duplicate	Y	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8260

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	N	See DVR
III.	Instrument performance check/Tune	Y	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	N	See DVR
VI.	Laboratory Blanks- MB	Y	
VI.	Field blanks	Y	
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	Y	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8270

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	Y	
III.	Instrument performance check/Tune	Y	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB	Y	
VI.	Field blanks	NA	
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	NA	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8330

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	Y	
III.	Instrument performance check/Tune	NA	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB	Y	
VII.	Surrogates	N	See DVR
VIII.	Interference check standard	NA	
IX.	Matrix spike/Matrix spike duplicate	NA	
X.	Laboratory control samples	Y	
XI.	Lab duplicates	NA	
XII.	External standards	Y	
XIII.	Column Confirmation	Y	
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 9056A & 365.1

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	Y	
III.	Instrument performance check/Tune	NA	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	N	See DVR
VI.	Laboratory Blanks- MB, ICB/CCB	Y	
VI.	Field blanks	NA	
VII.	Interference check standard	NA	
VIII.	Matrix spike/Matrix spike duplicate	N	See DVR
IX.	Laboratory control samples	Y	
X.	Lab duplicates	Y	
XI.	External standards	NA	
XII.	Dilution test	NA	
XIII.	Post digestion spike	NA	
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197835 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8015

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	N	See DVR
III.	Instrument performance check/Tune	NA	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB	Y	
VI.	Field blanks	Y	
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	NA	
IX.	Laboratory control samples	N	See DVR
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	NA	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

Attachment C

ADR Summary Report

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/29/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Lab Reporting Batch: 280-197835-1						
Method: 365.1						
TMW52102024	280-197835-1	Water	Field_Sample	Gen Prep	10/9/2024 8:25:00 AM	S2AVE
TMW15102024MS	280-197835-5MS	Water	Matrix_Spike	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MSD	280-197835-5MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW06102024	280-197835-2	Water	Field_Sample	Gen Prep	10/9/2024 8:35:00 AM	S2AVE
TMW47102024	280-197835-8	Water	Field_Sample	Gen Prep	10/9/2024 1:20:00 PM	S2AVE
MW20102024	280-197835-7	Water	Field_Sample	Gen Prep	10/9/2024 11:50:00 AM	S2AVE
TMW15102024	280-197835-5	Water	Field_Sample	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
MW37102024	280-197835-3	Water	Field_Sample	Gen Prep	10/9/2024 7:35:00 AM	S2AVE
MW18D102024	280-197835-4	Water	Field_Sample	Gen Prep	10/9/2024 10:10:00 AM	S2AVE
TMW35102024	280-197835-6	Water	Field_Sample	Gen Prep	10/9/2024 10:15:00 AM	S2AVE
Method: 6020B						
TMW06102024	280-197835-10	Water	Field_Sample	3005A	10/9/2024 8:35:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	3005A	10/9/2024 7:35:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	3005A	10/9/2024 10:15:00 AM	S2AVE
TMW47102024	280-197835-16	Water	Field_Sample	3020A	10/9/2024 1:20:00 PM	S2AVE
TMW15102024	280-197835-13	Water	Field_Sample	3005A	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MS	280-197835-13MS	Water	Matrix_Spike	3020A	10/9/2024 8:05:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	3020A	10/9/2024 7:35:00 AM	S2AVE
TMW15102024	280-197835-13	Water	Field_Sample	3020A	10/9/2024 8:05:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	3020A	10/9/2024 10:15:00 AM	S2AVE
MW18D102024	280-197835-12	Water	Field_Sample	3005A	10/9/2024 10:10:00 AM	S2AVE
TMW06102024	280-197835-10	Water	Field_Sample	3020A	10/9/2024 8:35:00 AM	S2AVE
MW18D102024	280-197835-12	Water	Field_Sample	3020A	10/9/2024 10:10:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/29/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 6020B						
MW20102024	280-197835-15	Water	Field_Sample	3020A	10/9/2024 11:50:00 AM	S2AVE
TMW15102024MS	280-197835-13MS	Water	Matrix_Spike	3005A	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MSD	280-197835-13MSD	Water	Matrix_Spike_Duplicate	3005A	10/9/2024 8:05:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	3020A	10/9/2024 8:25:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	3005A	10/9/2024 8:25:00 AM	S2AVE
TMW47102024	280-197835-16	Water	Field_Sample	3005A	10/9/2024 1:20:00 PM	S2AVE
MW20102024	280-197835-15	Water	Field_Sample	3005A	10/9/2024 11:50:00 AM	S2AVE
TMW15102024MSD	280-197835-13MSD	Water	Matrix_Spike_Duplicate	3020A	10/9/2024 8:05:00 AM	S2AVE
Method: 6850						
TMW47102024	280-197835-16	Water	Field_Sample	Gen Prep	10/9/2024 1:20:00 PM	S2AVE
MW20102024	280-197835-15	Water	Field_Sample	Gen Prep	10/9/2024 11:50:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	Gen Prep	10/9/2024 10:15:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	Gen Prep	10/9/2024 7:35:00 AM	S2AVE
TMW15102024MS	280-197835-13MS	Water	Matrix_Spike	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	Gen Prep	10/9/2024 8:25:00 AM	S2AVE
TMW15102024	280-197835-13	Water	Field_Sample	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MSD	280-197835-13MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
Method: 7470A						
TMW47102024	280-197835-16	Water	Field_Sample	7470A	10/9/2024 1:20:00 PM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	7470A	10/9/2024 8:25:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	7470A	10/9/2024 7:35:00 AM	S2AVE
MW18D102024	280-197835-12	Water	Field_Sample	7470A	10/9/2024 10:10:00 AM	S2AVE
TMW15102024	280-197835-13	Water	Field_Sample	7470A	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MS	280-197835-13MS	Water	Matrix_Spike	7470A	10/9/2024 8:05:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/29/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 7470A						
MW20102024	280-197835-15	Water	Field_Sample	7470A	10/9/2024 11:50:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	7470A	10/9/2024 10:15:00 AM	S2AVE
TMW06102024	280-197835-10	Water	Field_Sample	7470A	10/9/2024 8:35:00 AM	S2AVE
TMW15102024MSD	280-197835-13MSD	Water	Matrix_Spike_Duplicate	7470A	10/9/2024 8:05:00 AM	S2AVE
Method: 8015D-DRO						
TMW35102024	280-197835-14	Water	Field_Sample	3510C	10/9/2024 10:15:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	3510C	10/9/2024 7:35:00 AM	S2AVE
TMW06102024	280-197835-10	Water	Field_Sample	3510C	10/9/2024 8:35:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	3510C	10/9/2024 8:25:00 AM	S2AVE
MW18D102024	280-197835-12	Water	Field_Sample	3510C	10/9/2024 10:10:00 AM	S2AVE
MW20102024	280-197835-15	Water	Field_Sample	3510C	10/9/2024 11:50:00 AM	S2AVE
Method: 8015D-GRO						
QC09102024TB	280-197835-17	Water	Trip_Blank	Gen Prep	10/9/2024 8:00:00 AM	S2AVE
MW20102024	280-197835-15	Water	Field_Sample	Gen Prep	10/9/2024 11:50:00 AM	S2AVE
MW18D102024	280-197835-12	Water	Field_Sample	Gen Prep	10/9/2024 10:10:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	Gen Prep	10/9/2024 10:15:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	Gen Prep	10/9/2024 8:25:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	Gen Prep	10/9/2024 7:35:00 AM	S2AVE
TMW06102024	280-197835-10	Water	Field_Sample	Gen Prep	10/9/2024 8:35:00 AM	S2AVE
Method: 8260D						
MW20102024	280-197835-15	Water	Field_Sample	5030B	10/9/2024 11:50:00 AM	S2AVE
TMW15102024MS	280-197835-13MS	Water	Matrix_Spike	5030B	10/9/2024 8:05:00 AM	S2AVE
QC09102024TB	280-197835-17	Water	Trip_Blank	5030B	10/9/2024 8:00:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	5030B	10/9/2024 10:15:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/29/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 8260D						
TMW06102024	280-197835-10	Water	Field_Sample	5030B	10/9/2024 8:35:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	5030B	10/9/2024 7:35:00 AM	S2AVE
TMW15102024	280-197835-13	Water	Field_Sample	5030B	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MSD	280-197835-13MSD	Water	Matrix_Spike_Duplicate	5030B	10/9/2024 8:05:00 AM	S2AVE
MW18D102024	280-197835-12	Water	Field_Sample	5030B	10/9/2024 10:10:00 AM	S2AVE
TMW47102024	280-197835-16	Water	Field_Sample	5030B	10/9/2024 1:20:00 PM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	5030B	10/9/2024 8:25:00 AM	S2AVE
Method: 8270E						
MW18D102024	280-197835-12	Water	Field_Sample	3510C	10/9/2024 10:10:00 AM	S2AVE
MW20102024	280-197835-15	Water	Field_Sample	3510C	10/9/2024 11:50:00 AM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	3510C	10/9/2024 7:35:00 AM	S2AVE
TMW35102024	280-197835-14	Water	Field_Sample	3510C	10/9/2024 10:15:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	3510C	10/9/2024 8:25:00 AM	S2AVE
TMW47102024	280-197835-16	Water	Field_Sample	3510C	10/9/2024 1:20:00 PM	S2AVE
TMW06102024	280-197835-10	Water	Field_Sample	3510C	10/9/2024 8:35:00 AM	S2AVE
Method: 8330B						
TMW06102024	280-197835-10	Water	Field_Sample	3535	10/9/2024 8:35:00 AM	S2AVE
TMW47102024	280-197835-16	Water	Field_Sample	3535	10/9/2024 1:20:00 PM	S2AVE
MW37102024	280-197835-11	Water	Field_Sample	3535	10/9/2024 7:35:00 AM	S2AVE
TMW52102024	280-197835-9	Water	Field_Sample	3535	10/9/2024 8:25:00 AM	S2AVE
Method: 9056A						
MW18D102024	280-197835-4	Water	Field_Sample	Gen Prep	10/9/2024 10:10:00 AM	S2AVE
MW20102024	280-197835-7	Water	Field_Sample	Gen Prep	10/9/2024 11:50:00 AM	S2AVE
TMW06102024	280-197835-2	Water	Field_Sample	Gen Prep	10/9/2024 8:35:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/29/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 9056A						
TMW52102024	280-197835-1	Water	Field_Sample	Gen Prep	10/9/2024 8:25:00 AM	S2AVE
TMW47102024	280-197835-8	Water	Field_Sample	Gen Prep	10/9/2024 1:20:00 PM	S2AVE
TMW15102024DUP	280-197835-5DUP	Water	Duplicate	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW15102024MS	280-197835-5MS	Water	Matrix_Spike	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW35102024	280-197835-6	Water	Field_Sample	Gen Prep	10/9/2024 10:15:00 AM	S2AVE
MW37102024	280-197835-3	Water	Field_Sample	Gen Prep	10/9/2024 7:35:00 AM	S2AVE
TMW15102024MSD	280-197835-5MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/9/2024 8:05:00 AM	S2AVE
TMW15102024	280-197835-5	Water	Field_Sample	Gen Prep	10/9/2024 8:05:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/29/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code

Validation Label Legend

Label Code	Label Decription	EPA Level
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Data Review Summary

Lab Reporting Batch ID: 280-197835-1

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate

Laboratory: TAL DEN

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Temperature Outliers

Lab Reporting Batch ID: 280-197835-1

Laboratory: TAL DEN

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: 280-197835-1

Laboratory: TAL DEN

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

No Data Review Qualifiers Applied.

Trip Blank Outlier Report

Lab Reporting Batch ID: 280-197835-1

Laboratory: TAL DEN

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 6020B

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-670573/1-A	10/18/2024 3:41:53 PM	ALUMINUM CALCIUM MAGNESIUM	11.0 ug/L 38.3 ug/L 14.1 ug/L	MW18D102024 MW20102024 MW37102024 TMW06102024 TMW15102024 TMW35102024 TMW47102024 TMW52102024
MB 280-670743/1-A	10/22/2024 4:09:18 AM	ALUMINUM	9.36 ug/L	MW18D102024 MW20102024 MW37102024 TMW06102024 TMW15102024 TMW35102024 TMW47102024 TMW52102024

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
MW20102024(Initial/TOT)	ALUMINUM	20 ug/L	200U ug/L
MW37102024(Initial/DIS)	ALUMINUM	8.5 ug/L	200U ug/L
TMW06102024(Initial/TOT)	ALUMINUM	12 ug/L	200U ug/L
TMW15102024(Initial/DIS)	ALUMINUM	8.8 ug/L	200U ug/L
TMW15102024(Initial/TOT)	ALUMINUM	32 ug/L	200U ug/L
TMW35102024(Initial/DIS)	ALUMINUM	19 ug/L	200U ug/L
TMW35102024(Initial/TOT)	ALUMINUM	12 ug/L	200U ug/L
TMW47102024(Initial/DIS)	ALUMINUM	13 ug/L	200U ug/L
TMW47102024(Initial/TOT)	ALUMINUM	15 ug/L	200U ug/L
TMW52102024(Initial/DIS)	ALUMINUM	15 ug/L	200U ug/L

Method: 8015D-DRO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-671098/1-A	10/18/2024 9:54:00 PM	Oil Range Organics (ORO) C20-C38	74.0 ug/L	MW18D102024 MW20102024 MW37102024 TMW06102024 TMW35102024 TMW52102024

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
TMW35102024(Initial/TOT)	Oil Range Organics (ORO) C20-C38	65 ug/L	65U ug/L

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

Method: **8015D-DRO**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
LCSD 280-671098/3-A (MW18D102024 MW20102024 MW37102024 TMW06102024 TMW35102024 TMW52102024)	Diesel Range Organics (DRO) C10-(	-	-	36.00-132.00	34 (30.00)	Diesel Range Organics (DRO) C1(	J (all detects)

Project Name and Number: Fort Wingate Depot Activity Northern Area - NM6213820974

Surrogate Outlier Report

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **8330B**
Matrix: **Water**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
TMW06102024 (Initial/TOT)	1,2-Dinitrobenzene [1,2-DNB]	70	83.00-119.00	All Target Analytes	J- (all detects) UJ (all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197835-1

Laboratory: TAL DEN

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

Method: 6020B

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW15102024MS (Dissolved) TMW15102024MS (Total) TMW15102024MSD (Dissolved) TMW15102024MSD (Total) (TMW15102024)	SODIUM	823	4928	85.00-117.00	-	SODIUM	J (all detects) UJ (all non-detects)
TMW15102024MS (Dissolved) TMW15102024MS (Total) TMW15102024MSD (Total) (TMW15102024)	CALCIUM MAGNESIUM	150 121	206 -	87.00-118.00 83.00-118.00	- -	CALCIUM MAGNESIUM	J+(all detects)

Sample concentrations are greater than 4 times the MS/MSD spike concentrations for calcium and sodium. RECs could not be evaluated, and qualification was not warranted.

Method: 9056A

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW15102024MSD (TMW15102024)	CHLORIDE Nitrate as N	- -	113 115	87.00-111.00 88.00-111.00	- -	CHLORIDE Nitrate as N	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: 280-197835-1

Laboratory: TAL DEN

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 365.1

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW18D102024	Orthophosphate as P	J	27	50	LOQ	ug/L	J (all detects)
MW37102024	Orthophosphate as P	J	38	50	LOQ	ug/L	J (all detects)
TMW15102024	Orthophosphate as P	J	25	50	LOQ	ug/L	J (all detects)
TMW35102024	Orthophosphate as P	J	25	50	LOQ	ug/L	J (all detects)
TMW47102024	Orthophosphate as P	J	28	50	LOQ	ug/L	J (all detects)
TMW52102024	Orthophosphate as P	J	38	50	LOQ	ug/L	J (all detects)

Method: 6020B

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW18D102024	ALUMINUM	J	76	200	LOQ	ug/L	
	ARSENIC	J	0.76	5.0	LOQ	ug/L	
	COBALT	J	0.39	1.0	LOQ	ug/L	
	COPPER	J	1.3	2.0	LOQ	ug/L	
	IRON	J	150	200	LOQ	ug/L	J (all detects)
	NICKEL	J	2.9	3.0	LOQ	ug/L	
	POTASSIUM	J	410	1000	LOQ	ug/L	
	VANADIUM	J	2.4	5.0	LOQ	ug/L	
	ZINC	J	5.4	10	LOQ	ug/L	
MW20102024	ALUMINUM	J	20	200	LOQ	ug/L	
	ARSENIC	J	0.78	5.0	LOQ	ug/L	
	CHROMIUM	J	1.0	3.0	LOQ	ug/L	
	COBALT	J	0.44	1.0	LOQ	ug/L	
	COPPER	J	1.0	2.0	LOQ	ug/L	
	IRON	J	110	200	LOQ	ug/L	J (all detects)
	NICKEL	J	2.5	3.0	LOQ	ug/L	
	POTASSIUM	J	710	1000	LOQ	ug/L	
	SILVER	J	0.045	1.0	LOQ	ug/L	
	VANADIUM	J	2.8	5.0	LOQ	ug/L	
	ZINC	J	5.2	10	LOQ	ug/L	
MW37102024	ALUMINUM	J	8.5	200	LOQ	ug/L	
	ARSENIC	J	1.7	5.0	LOQ	ug/L	
	BERYLLIUM	J	0.42	1.0	LOQ	ug/L	
	COPPER	J	1.6	2.0	LOQ	ug/L	
	IRON	J	16	200	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	3.0	LOQ	ug/L	
	POTASSIUM	J	150	1000	LOQ	ug/L	
	SILVER	J	0.054	1.0	LOQ	ug/L	
	VANADIUM	J	2.9	5.0	LOQ	ug/L	
TMW06102024	ALUMINUM	J	12	200	LOQ	ug/L	
	ARSENIC	J	1.1	5.0	LOQ	ug/L	
	IRON	J	8.7	200	LOQ	ug/L	J (all detects)
	POTASSIUM	J	230	1000	LOQ	ug/L	
	VANADIUM	J	4.5	5.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 6020B

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW15102024	ALUMINUM	J	8.8	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.2	3.0	LOQ	ug/L	
	IRON	J	29	200	LOQ	ug/L	
	MANGANESE	J	1.5	3.0	LOQ	ug/L	
	POTASSIUM	J	300	1000	LOQ	ug/L	
	VANADIUM	J	2.2	5.0	LOQ	ug/L	
	ZINC	J	9.7	10	LOQ	ug/L	
TMW35102024	ALUMINUM	J	12	200	LOQ	ug/L	J (all detects)
	ANTIMONY	J	0.57	2.0	LOQ	ug/L	
	ARSENIC	J	0.67	5.0	LOQ	ug/L	
	COPPER	J	1.2	2.0	LOQ	ug/L	
	IRON	J	11	200	LOQ	ug/L	
	POTASSIUM	J	250	1000	LOQ	ug/L	
	SELENIUM	J	1.7	5.0	LOQ	ug/L	
	VANADIUM	J	1.7	5.0	LOQ	ug/L	
TMW47102024	ALUMINUM	J	15	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.70	5.0	LOQ	ug/L	
	IRON	J	17	200	LOQ	ug/L	
	POTASSIUM	J	730	1000	LOQ	ug/L	
	SILVER	J	0.091	1.0	LOQ	ug/L	
	ZINC	J	2.1	10	LOQ	ug/L	
TMW52102024	ALUMINUM	J	15	200	LOQ	ug/L	J (all detects)
	ANTIMONY	J	0.64	2.0	LOQ	ug/L	
	BERYLLIUM	J	0.83	1.0	LOQ	ug/L	
	CHROMIUM	J	2.4	3.0	LOQ	ug/L	
	COPPER	J	0.85	2.0	LOQ	ug/L	
	POTASSIUM	J	700	1000	LOQ	ug/L	
	SELENIUM	J	3.7	5.0	LOQ	ug/L	

Method: 6850

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW15102024	PERCHLORATE	J M	0.045	0.20	LOQ	ug/L	J (all detects)

Method: 8015D-DRO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW18D102024	Diesel Range Organics (DRO) C10-C28	J Q	45	270	LOQ	ug/L	J (all detects)
MW20102024	Diesel Range Organics (DRO) C10-C28	J Q	52	270	LOQ	ug/L	J (all detects)
TMW35102024	Diesel Range Organics (DRO) C10-C28	J Q	41	270	LOQ	ug/L	J (all detects)
	Oil Range Organics (ORO) C20-C38	J	65	540	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 8260D

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW47102024	CARBON DISULFIDE	J	1.5	2.0	LOQ	ug/L	J (all detects)

Method: 9056A

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW18D102024	FLUORIDE	J	930	1000	LOQ	ug/L	J (all detects)
MW20102024	FLUORIDE	J	500	1000	LOQ	ug/L	J (all detects)
TMW06102024	Nitrite as N	J	160	500	LOQ	ug/L	J (all detects)
TMW35102024	FLUORIDE Nitrite as N	J J	800 140	1000 500	LOQ LOQ	ug/L ug/L	J (all detects)

Field QC Assignments and Associated Samples

EDD File Name: 280-197835-1
eQapp Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

	Associated Samples	Sample Collection Date
Field QC QC09102024TB **QC Type:** Trip_Blank		
	TMW47102024	10/9/2024 1:20:00 PM
	MW18D102024	10/9/2024 10:10:00 AM
	TMW52102024	10/9/2024 8:25:00 AM
	TMW06102024	10/9/2024 8:35:00 AM
	MW37102024	10/9/2024 7:35:00 AM
	TMW35102024	10/9/2024 10:15:00 AM
	MW20102024	10/9/2024 11:50:00 AM
	TMW15102024	10/9/2024 8:05:00 AM

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **GENCHEM**

Sample ID: **MW18D102024** ***Collected:*** **10/9/2024 10:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	27	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: **MW37102024** ***Collected:*** **10/9/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	38	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: **TMW15102024** ***Collected:*** **10/9/2024 8:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	25	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: **TMW35102024** ***Collected:*** **10/9/2024 10:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	25	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: **TMW47102024** ***Collected:*** **10/9/2024 1:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	28	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: **TMW52102024** ***Collected:*** **10/9/2024 8:25:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	38	J	40	LOD	50	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **GENCHEM**

Sample ID: **TMW15102024** ***Collected:*** **10/9/2024 8:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
PERCHLORATE	0.045	J M	0.10	LOD	0.20	LOQ	ug/L	J	TR

Method Category: **GENCHEM**

Sample ID: **MW18D102024** ***Collected:*** **10/9/2024 10:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORIDE	930	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **MW20102024** ***Collected:*** **10/9/2024 11:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORIDE	500	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **TMW06102024** ***Collected:*** **10/9/2024 8:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Nitrite as N	160	J	100	LOD	500	LOQ	ug/L	J	TR

Sample ID: **TMW15102024** ***Collected:*** **10/9/2024 8:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHLORIDE	65000	J1	2500	LOD	3000	LOQ	ug/L	J+	MD1
Nitrate as N	1900	J1	200	LOD	500	LOQ	ug/L	J+	MD1

Sample ID: **TMW35102024** ***Collected:*** **10/9/2024 10:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORIDE	800	J	500	LOD	1000	LOQ	ug/L	J	TR
Nitrite as N	140	J	100	LOD	500	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: GENCHEM

Sample ID: TMW47102024 **Collected:** 10/9/2024 1:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Nitrate as N	200	U Q	200	LOD	500	LOQ	ug/L	UJ	CV2

Method Category: METALS

Sample ID: MW18D102024 **Collected:** 10/9/2024 10:10:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.83	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.40	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	0.94	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	110	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	2.8	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	430	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.9	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	5.4	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: MW18D102024 **Collected:** 10/9/2024 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	76	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	0.76	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.39	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.3	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	150	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	2.9	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	410	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.4	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	8.3	J	8.0	LOD	10	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **MW20102024** ***Collected:*** **10/9/2024 11:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ARSENIC	0.92	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.44	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.0	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	110	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	2.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	420	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.8	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	5.2	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **MW20102024** ***Collected:*** **10/9/2024 11:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	20	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ARSENIC	0.78	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	1.0	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	710	J	76	LOD	1000	LOQ	ug/L	J	TR
SILVER	0.045	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB

Sample ID: **MW37102024** ***Collected:*** **10/9/2024 7:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	8.5	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ARSENIC	1.1	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.6	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	16	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	1.1	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	150	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.9	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **MW37102024** ***Collected:*** **10/9/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.7	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
BERYLLIUM	0.42	J	0.60	LOD	1.0	LOQ	ug/L	J	TR
SILVER	0.054	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB

Sample ID: **TMW06102024** ***Collected:*** **10/9/2024 8:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.1	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	8.7	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	230	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	4.5	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW06102024** ***Collected:*** **10/9/2024 8:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	12	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ARSENIC	1.4	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	13	J	40	LOD	200	LOQ	ug/L	U	ICB/CCB
POTASSIUM	270	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	3.9	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW15102024** ***Collected:*** **10/9/2024 8:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8.8	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
CHROMIUM	1.2	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
MAGNESIUM	3300	J1	15	LOD	200	LOQ	ug/L	J+	MD1
POTASSIUM	300	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.2	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	9.7	J	8.0	LOD	10	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW15102024** ***Collected:*** **10/9/2024 8:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	32	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
CHROMIUM	1.1	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
IRON	29	J	40	LOD	200	LOQ	ug/L	U	ICB/CCB
MAGNESIUM	3300		15	LOD	200	LOQ	ug/L	J+	MD1
MANGANESE	1.5	J	1.8	LOD	3.0	LOQ	ug/L	U	ICB/CCB
POTASSIUM	310	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	1.8	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	7.3	J	8.0	LOD	10	LOQ	ug/L	U	ICB/CCB

Sample ID: **TMW35102024** ***Collected:*** **10/9/2024 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	19	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ANTIMONY	0.57	J	1.0	LOD	2.0	LOQ	ug/L	U	ICB/CCB
ARSENIC	0.67	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.4	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	69	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	250	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	1.5	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	2.2	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW35102024** ***Collected:*** **10/9/2024 10:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	12	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
COPPER	1.2	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	11	J	40	LOD	200	LOQ	ug/L	U	ICB/CCB
POTASSIUM	250	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	1.7	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	1.7	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW47102024** ***Collected:*** **10/9/2024 1:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	13	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
IRON	12	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	770	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	2.1	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW47102024** ***Collected:*** **10/9/2024 1:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	15	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ARSENIC	0.70	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	17	J	40	LOD	200	LOQ	ug/L	U	ICB/CCB
POTASSIUM	730	J	76	LOD	1000	LOQ	ug/L	J	TR
SILVER	0.091	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB

Sample ID: **TMW52102024** ***Collected:*** **10/9/2024 8:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	15	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ANTIMONY	0.64	J	1.0	LOD	2.0	LOQ	ug/L	U	ICB/CCB
CHROMIUM	2.4	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	0.85	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
POTASSIUM	700	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	3.7	J	4.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW52102024** ***Collected:*** **10/9/2024 8:25:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BERYLLIUM	0.83	J	0.60	LOD	1.0	LOQ	ug/L	J	TR
SELENIUM	3.7	J	4.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: SVOA

Sample ID: MW18D102024 **Collected:** 10/9/2024 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Diesel Range Organics (DRO) C10-C28	45	J Q	130	LOD	270	LOQ	ug/L	J	TR, LC7

Sample ID: MW20102024 **Collected:** 10/9/2024 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Diesel Range Organics (DRO) C10-C28	52	J Q	130	LOD	270	LOQ	ug/L	J	TR, LC7

Sample ID: TMW35102024 **Collected:** 10/9/2024 10:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Diesel Range Organics (DRO) C10-C28	41	J Q	130	LOD	270	LOQ	ug/L	J	TR, LC7
Oil Range Organics (ORO) C20-C38	65	J	140	LOD	540	LOQ	ug/L	U	BLT/BLU

Method Category: SVOA

Sample ID: TMW06102024 **Collected:** 10/9/2024 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,3,5-TRINITROBENZENE	0.20	U Q	0.20	LOD	0.21	LOQ	ug/L	UJ	SU2
1,3-DINITROBENZENE	0.099	U Q	0.099	LOD	0.11	LOQ	ug/L	UJ	SU2
2,4,6-TRINITROTOLUENE	0.099	U Q	0.099	LOD	0.11	LOQ	ug/L	UJ	SU2
2,4-DINITROTOLUENE	0.079	U Q	0.079	LOD	0.099	LOQ	ug/L	UJ	SU2
2,6-DINITROTOLUENE	0.079	U Q	0.079	LOD	0.099	LOQ	ug/L	UJ	SU2
2-AMINO-4,6-DINITROTOLUENE	0.099	U Q	0.099	LOD	0.11	LOQ	ug/L	UJ	SU2
4-AMINO-2,6-DINITROTOLUENE	0.12	U Q	0.12	LOD	0.15	LOQ	ug/L	UJ	SU2
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.20	U Q	0.20	LOD	0.21	LOQ	ug/L	UJ	SU2
m-Nitrotoluene	0.35	U Q	0.35	LOD	0.40	LOQ	ug/L	UJ	SU2
NITROBENZENE	0.20	U Q	0.20	LOD	0.21	LOQ	ug/L	UJ	SU2
Nitroglycerin	2.0	U M Q	2.0	LOD	2.1	LOQ	ug/L	UJ	SU2
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.20	U Q	0.20	LOD	0.21	LOQ	ug/L	UJ	SU2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: SVOA

Sample ID: TMW06102024 **Collected:** 10/9/2024 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
o-Nitrotoluene	0.20	U Q	0.20	LOD	0.21	LOQ	ug/L	UJ	SU2
Pentaerythritol tetranitrate (PETN)	0.99	U Q	0.99	LOD	1.1	LOQ	ug/L	UJ	SU2
p-Nitrotoluene	0.40	U Q	0.40	LOD	0.40	LOQ	ug/L	UJ	SU2
Trinitrophenylmethylnitramine (Tetryl)	0.099	U Q	0.099	LOD	0.11	LOQ	ug/L	UJ	SU2

Method Category: VOA

Sample ID: MW18D102024 **Collected:** 10/9/2024 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Gasoline Range Organics (GRO) C6-C10	50		20	LOD	25	LOQ	ug/L	J-	SC1

Method Category: VOA

Sample ID: MW18D102024 **Collected:** 10/9/2024 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,1,1-TRICHLOROETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
1,1,2,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,1,2-TRICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,1-DICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,1-DICHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,1-DICHLOROPROPENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,2,3-TRICHLOROBENZENE	2.5	U	2.5	LOD	4.0	LOQ	ug/L	UJ	SC1
1,2,3-TRICHLOROPROPANE	1.8	U	1.8	LOD	2.5	LOQ	ug/L	UJ	SC1
1,2,4-TRICHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,2,4-TRIMETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **VOA**

Sample ID: **MW18D102024** ***Collected:*** **10/9/2024 10:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,2-DIBROMO-3-CHLOROPROPANE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	SC1
1,2-Dibromoethane (EDB)	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,2-DICHLOROBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
1,2-DICHLOROETHANE	81		0.50	LOD	1.0	LOQ	ug/L	J-	SC1
1,2-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,3,5-TRIMETHYLBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
1,3-DICHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
1,3-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
1,4-DICHLOROBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
2,2-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
2-BUTANONE (MEK)	8.0	U	8.0	LOD	10	LOQ	ug/L	UJ	SC1
2-CHLOROTOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
2-HEXANONE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	SC1
4-CHLOROTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
4-ISOPROPYLTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
4-METHYL-2-PENTANONE (MIBK)	3.2	U	3.2	LOD	5.0	LOQ	ug/L	UJ	SC1
ACETONE	8.0	U	8.0	LOD	15	LOQ	ug/L	UJ	SC1
BENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
BROMOBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
BROMOCHLOROMETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
BROMODICHLOROMETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
BROMOFORM	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	SC1
BROMOMETHANE	4.0	U Q	4.0	LOD	5.0	LOQ	ug/L	UJ	CV2, SC1
CARBON DISULFIDE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	SC1
CARBON TETRACHLORIDE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
CHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
CHLOROETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	SC1
CHLOROFORM	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
CHLOROMETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	SC1
CIS-1,2-DICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **VOA**

Sample ID: **MW18D102024** ***Collected:*** **10/9/2024 10:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CIS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
DIBROMOCHLOROMETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
DIBROMOMETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
DICHLORODIFLUOROMETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	SC1
ETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
HEXACHLOROBUTADIENE	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	SC1
ISOPROPYLBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
METHYL ACETATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	SC1
METHYL TERT-BUTYL ETHER	0.80	U	0.80	LOD	5.0	LOQ	ug/L	UJ	SC1
METHYLENE CHLORIDE	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	SC1
m-Xylene & p-Xylene	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	SC1
NAPHTHALENE	2.0	U	2.0	LOD	3.0	LOQ	ug/L	UJ	SC1
N-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
N-PROPYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
O-XYLENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
SEC-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
STYRENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
TERT-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
TETRACHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	SC1
TOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
TRANS-1,2-DICHLOROETHENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	SC1
TRANS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
TRICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1
TRICHLOROFLUOROMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	SC1
VINYL CHLORIDE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	SC1

Sample ID: **MW37102024** ***Collected:*** **10/9/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	4.0	U Q	4.0	LOD	5.0	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **VOA**

Sample ID: **QC09102024TB** ***Collected:*** **10/9/2024 8:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	4.0	U Q	4.0	LOD	5.0	LOQ	ug/L	UJ	CV2

Sample ID: **TMW06102024** ***Collected:*** **10/9/2024 8:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	4.0	U Q	4.0	LOD	5.0	LOQ	ug/L	UJ	CV2

Sample ID: **TMW15102024** ***Collected:*** **10/9/2024 8:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	4.0	U Q	4.0	LOD	5.0	LOQ	ug/L	UJ	CV2

Sample ID: **TMW47102024** ***Collected:*** **10/9/2024 1:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CARBON DISULFIDE	1.5	J	0.80	LOD	2.0	LOQ	ug/L	J	TR

Sample ID: **TMW52102024** ***Collected:*** **10/9/2024 8:25:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	4.0	U Q	4.0	LOD	5.0	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197835-1 **Laboratory: TAL DEN**

EDD Filename: 280-197835-1_52_2a_ParsonsFtWingate_rev_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Reason Code Legend

Reason Code	*Description*
BLT/BLU	Method Blank Contamination
CV2	Continuing Calibration Verification Percent Difference Upper Estimation
CV2	Continuing Calibration Verification Percent Recovery Upper Estimation
ICB/CCB	Calibration Blank Contamination
LC7	Laboratory Control Precision
MD1	Matrix Spike Upper Estimation
MD2	Matrix Spike Lower Estimation
SC1	Sampling to Analysis Estimation
SU2	Surrogate/Tracer Recovery Lower Estimation
TR	Reporting Limit Trace Value

* denotes a non-reportable result