DATA VALIDATION SUMMARY REPORT

for Samples Collected During

Groundwater Monitoring

Fort Wingate Depot Activity

McKinley County, New Mexico

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INTRODUCTION

The following data validation summary report covers four (4) water samples, and associated field quality control (QC) samples collected on October 10, 2024, at Fort Wingate Depot Activity (FWDA), located in McKinley County, New Mexico. The samples were logged under Sample Delivery Group (SDG) 280-197922.

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 6.0° 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
QC10102024TB (Trip Blank)	280-197922-1	Water	V, TPH
TMW21102024	280-197922-2	Water	A, O
TMW32102024	280-197922-3	Water	A, O
TMW38102024	280-197922-4	Water	A, O
TMW21102024	280-197922-5	Water	V, M, P, E, TPH
TMW32102024	280-197922-6	Water	V, M, P, E
TMW38102024	280-197922-7	Water	V, S, M, P, E

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 three (3) water samples. The samples were collected on October 10, 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 with the following exceptions: sample TMW32102024 was re-analyzed for nitrate outside the 48-hour holding time documented in the QAPP. As such, the nitrate result was qualified "J" as estimated.

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). Samples TMW21102024 and TMW32102024 were 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 relative percent difference (RPD) obtained from the LCS/LCSD, MS/MSD and laboratory duplicate concentrations.

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

All laboratory duplicate RPDs were within acceptance criteria, except for the following:

Parent Sample TMW32102024		
Analyte	**%RPD**	**Criteria**
Fluoride	29	RPD ≤ 10

Fluoride recovered high in the laboratory duplicate. The result in sample TMW32102024 was 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 with the exception previously noted. 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.

Six 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 three (3) water samples. The samples were collected on October 10, 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 TMW32102024 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 four (4) water samples. The samples were collected on October 10, 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. The method requirement for headspace was not met for sample QC10102024TB. As such, all VOCs were qualified "UJ" as estimated at the reporting limit.

Accuracy

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

All LCS/LCSD 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.

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 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.

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 one (1) water sample. The sample was collected on October 10, 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 sample in this SDG was analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. The sample was prepared and analyzed within the holding time required by the method.

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 control limits. The surrogate recoveries in the associated samples were 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 sample was 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 from 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 two (2) water samples. The samples were collected on October 10, 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.

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. 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 one (1) water sample. The sample was collected on October 10, 2024, and was 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 sample in this SDG was analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP. The sample was 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 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.

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. The laboratory method blank was non-detect for TPH DRO/ORO.

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 three (3) water samples. The samples were collected on October 10, 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.

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.

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 three (3) water samples. The samples were collected on October 10, 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.

All LCS spike recoveries were within acceptance criteria.

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 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 three (3) water samples. The samples were collected on October 10, 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.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS and MS/MSD. Sample TMW38102024 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. It should be noted that one or more MS/MSD RECs for calcium and sodium exceeded acceptance criteria, however; the sample concentrations were 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 except for the following:
    - The ICB associated with batch 670767 had detections of silver and thallium. Thallium was non-detect in the associated samples, as such, no qualification was warranted. Silver was detected less than 5 times the ICB detection in associated sample TMW32102024, as such, the result was qualified "U" as non-detect.
- All CCB criteria were met except for the following:
    - The CCBs associated with batch 670767 had detections of silver, thallium and magnesium. Thallium and magnesium were either non-detect or greater than 5 times the CCB detections. As such, no qualification was warranted. Silver was detected less than 5 times the CCB detection in associated sample TMW32102024, 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. It should be noted that the PDS REC for calcium exceeded acceptance criteria, however; the sample concentration was greater than 4 times the PDS spike concentration. As such, the PDS REC could not be evaluated, and qualification was not warranted.

Three laboratory method blanks were associated with the metals analyses in this SDG. Aluminum, iron and magnesium were detected in one or more of the laboratory method blanks. The associated samples with results less than 5 times the 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 three (3) water samples. The samples were collected on October 10, 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.

All LCS/LCSD 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.

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 LL ICV criteria were met.
- All ICB criteria were met.
- All CCB criteria were met.

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	Analyte(s)	Sample(s)
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	TMW38102024
8015D	DRO	TMW21102024
8330B	nitroglycerin	TMW21102024 and TMW38102024

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]	TMW21102024		TMW32102024		TMW38102024	
DATE SAMPLED:			10/10/2024		10/10/2024		10/10/2024	
LAB SAMPLE ID:			280-197922-5 280-197922-2		280-197922-6 280-197922-3		280-197922-7 280-197922-4	
Volatile Organics - SW8260D	**Unit**							
1,1,1,2-Tetrachloroethane	µg/L	5.7	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	µg/L	200	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	µg/L	10	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	µg/L	5	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	µg/L	25	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	µg/L	7	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	µg/L	4.7	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	µg/L	7	4.0	U	4.0	U	4.0	U
1,2,3-Trichloropropane	µg/L	2.5	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	µg/L	70	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	µg/L	56	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	µg/L	5	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane (EDB)	µg/L	1	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	µg/L	600	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	µg/L	5	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	µg/L	5	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	µg/L	60	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	µg/L	75	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	µg/L	370	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	µg/L	75	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	µg/L	5	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	µg/L	5,600	10	U	10	U	10	U
2-Chlorotoluene	µg/L	240	1.0	U	1.0	U	1.0	U
2-Hexanone	µg/L	38	5.0	U	5.0	U	5.0	U
4-Chlorotoluene	µg/L	250	1.0	U	1.0	U	1.0	U
4-Isopropyltoluene	µg/L	450	1.0	U	1.0	U	1.0	U
4-Methyl-2-pentanone (MIBK)	µg/L	6,300	5.0	U	5.0	U	5.0	U
Acetone	µg/L	18,000	15	U	15	U	15	U
Benzene	µg/L	5	1.0	U	1.0	U	1.0	U
Bromobenzene	µg/L	62	1.0	U	1.0	U	1.0	U
Bromochloromethane	µg/L	83	1.0	U	1.0	U	1.0	U
Bromodichloromethane	µg/L	80	1.0	U	1.0	U	1.0	U
Bromoform	µg/L	80	2.0	U	2.0	U	2.0	U
Bromomethane	µg/L	7.5	5.0	U	5.0	U	5.0	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]	TMW21102024		TMW32102024		TMW38102024	
DATE SAMPLED:			10/10/2024		10/10/2024		10/10/2024	
LAB SAMPLE ID:			280-197922-5 280-197922-2		280-197922-6 280-197922-3		280-197922-7 280-197922-4	
Carbon disulfide	µg/L	810	2.0	U	2.0	U	2.0	U
Carbon tetrachloride	µg/L	5	1.0	U	1.0	U	1.0	U
Chlorobenzene	µg/L	100	1.0	U	1.0	U	1.0	U
Chloroethane	µg/L	8,300	2.0	U	2.0	U	2.0	U
Chloroform	µg/L	80	1.0	U	1.0	U	1.0	U
Chloromethane	µg/L	190	2.0	U	2.0	U	2.0	U
cis-1,2-Dichloroethene	µg/L	70	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	µg/L	4.7	1.0	U	1.0	U	1.0	U
Dibromochloromethane	µg/L	80	1.0	U	1.0	U	1.0	U
Dibromomethane	µg/L	8.3	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	µg/L	200	2.0	U	2.0	U	2.0	U
Ethylbenzene	µg/L	700	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	µg/L	2	2.0	U	2.0	U	2.0	U
Isopropylbenzene	µg/L	450	1.0	U	1.0	U	1.0	U
Methyl acetate	µg/L	20,000	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether (MTBE)	µg/L	100	5.0	U	5.0	U	5.0	U
Methylene chloride	µg/L	5	2.0	U	2.0	U	2.0	U
m-Xylene & p-Xylene	µg/L	620	2.0	U	2.0	U	2.0	U
Naphthalene	µg/L	30	3.0	U	3.0	U	3.0	U
n-Butylbenzene	µg/L	1,000	1.0	U	1.0	U	1.0	U
n-Propylbenzene	µg/L	660	1.0	U	1.0	U	1.0	U
o-Xylene	µg/L	620	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	µg/L	2,000	1.0	U	1.0	U	1.0	U
Styrene	µg/L	100	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	µg/L	690	1.0	U	1.0	U	1.0	U
Tetrachloroethene	µg/L	5	1.0	U	1.0	U	1.0	U
Toluene	µg/L	1,000	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	µg/L	100	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	µg/L	4.7	1.0	U	1.0	U	1.0	U
Trichloroethene	µg/L	5	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	µg/L	5,200	2.0	U	2.0	U	2.0	U
Vinyl chloride	µg/L	2	1.0	U	1.0	U	1.0	U

Fort Wingate Depot Activity Northern Area
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Northern Area Groundwater Sampling
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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	TMW21102024	TMW32102024	TMW38102024	
DATE SAMPLED:			10/10/2024	10/10/2024	10/10/2024	
LAB SAMPLE ID:			280-197922-5 280-197922-2	280-197922-6 280-197922-3	280-197922-7 280-197922-4	
Semivolatile Organics - SW8270E						
2,2'-Oxybis (1-chloropropane)	µg/L	710	--	--	11	U
2,4,5-Trichlorophenol	µg/L	1,200	--	--	11	U
2,4,6-Trichlorophenol	µg/L	12	--	--	11	U
2,4-Dichlorophenol	µg/L	46	--	--	11	U
2,4-Dimethylphenol	µg/L	360	--	--	11	U
2,4-Dinitrophenol	µg/L	39	--	--	34	U
2,4-Dinitrotoluene	µg/L	10	--	--	11	U
2,6-Dinitrotoluene	µg/L	10	--	--	11	U
2-Chloronaphthalene	µg/L	750	--	--	4.6	U
2-Chlorophenol	µg/L	91	--	--	11	U
2-Methylnaphthalene	µg/L	30	--	--	4.6	U
2-Methylphenol	µg/L	930	--	--	11	U
2-Nitroaniline	µg/L	190	--	--	11	U
2-Nitrophenol	µg/L	na	--	--	11	U
3 & 4 Methylphenol	µg/L	370	--	--	11	U
3,3'-Dichlorobenzidine	µg/L	50	--	--	57	U
3-Nitroaniline	µg/L	38	--	--	11	U
4,6-Dinitro-2-methylphenol	µg/L	50	--	--	57	U
4-Bromophenyl phenyl ether	µg/L	na	--	--	11	U
4-Chloro-3-methylphenol	µg/L	1,400	--	--	11	U
4-Chloroaniline	µg/L	20	--	--	23	U
4-Chlorophenyl phenyl ether	µg/L	na	--	--	11	U
4-Nitroaniline	µg/L	38	--	--	11	U
4-Nitrophenol	µg/L	na	--	--	29	U
Acenaphthene	µg/L	530	--	--	4.6	U
Acenaphthylene	µg/L	120	--	--	4.6	U
Anthracene	µg/L	1,800	--	--	4.6	U
Benzaldehyde	µg/L	190	--	--	5.7	U
Benz(a)anthracene	µg/L	4	--	--	4.6	U
Benzo(a)pyrene	µg/L	4	--	--	4.6	U
Benzo(b)fluoranthene	µg/L	4	--	--	4.6	U
Benzo(g,h,i)perylene	µg/L	120	--	--	4.6	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]	TMW21102024	TMW32102024	TMW38102024
DATE SAMPLED:			10/10/2024	10/10/2024	10/10/2024
LAB SAMPLE ID:			280-197922-5 280-197922-2	280-197922-6 280-197922-3	280-197922-7 280-197922-4
Benzo(k)fluoranthene	µg/L	25	--	--	4.6 U
bis(2-Chloroethoxy)methane	µg/L	59	--	--	11 U
bis(2-Chloroethyl)ether	µg/L	10	--	--	11 U
bis(2-Ethylhexyl)phthalate	µg/L	10	--	--	11 U
Butyl benzyl phthalate	µg/L	160	--	--	4.6 U
Caprolactam	µg/L	9,900	--	--	17 U
Carbazole	µg/L	290	--	--	4.6 U
Chrysene	µg/L	250	--	--	4.6 U
Dibenz(a,h)anthracene	µg/L	10	--	--	11 U
Dibenzofuran	µg/L	7.9	--	--	4.6 U
Diethyl phthalate	µg/L	15,000	--	--	4.6 U
Dimethyl phthalate	µg/L	na	--	--	4.6 U
Di-n-butyl phthalate	µg/L	900	--	--	4.6 U
Di-n-octyl phthalate	µg/L	200	--	--	11 U
Fluoranthene	µg/L	800	--	--	4.6 U
Fluorene	µg/L	290	--	--	4.6 U
Hexachlorobenzene	µg/L	10	--	--	11 U
Hexachlorobutadiene	µg/L	10	--	--	11 U
Hexachlorocyclopentadiene	µg/L	50	--	--	57 U
Hexachloroethane	µg/L	10	--	--	11 U
Indeno(1,2,3-cd)pyrene	µg/L	10	--	--	11 U
Isophorone	µg/L	780	--	--	11 U
Naphthalene	µg/L	30	--	--	4.6 U
Nitrobenzene	µg/L	10	--	--	11 U
n-Nitrosodi-n-propylamine	µg/L	10	--	--	11 U
N-Nitrosodiphenylamine	µg/L	120	--	--	11 U
Pentachlorophenol	µg/L	50	--	--	57 U
Phenanthrene	µg/L	170	--	--	4.6 U
Phenol	µg/L	10	--	--	11 U
Pyrene	µg/L	120	--	--	11 U
Petroleum Hydrocarbons - SW8015D					
Gasoline Range Organics (GRO) C6-C10	µg/L	25	25 U	--	--
Diesel Range Organics (DRO) C10-C28	µg/L	250	260 U	--	--
Oil Range Organics (ORO) C20-C38	µg/L	60,200	510 U	--	--

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	TMW21102024		TMW32102024		TMW38102024	
DATE SAMPLED:			10/10/2024		10/10/2024		10/10/2024	
LAB SAMPLE ID:			280-197922-5 280-197922-2		280-197922-6 280-197922-3		280-197922-7 280-197922-4	
Explosives - SW8330B								
1,3,5-Trinitrobenzene	µg/L	590	0.22	U	0.21	U	0.24	U
1,3-Dinitrobenzene	µg/L	2	0.11	U	0.11	U	0.12	U
2,4,6-Trinitrotoluene (TNT)	µg/L	9.8	0.11	U	0.11	U	0.12	U
2,4-Dinitrotoluene	µg/L	2.4	0.10	U	0.10	U	0.11	U
2,6-Dinitrotoluene	µg/L	0.49	0.10	U	0.10	U	0.11	U
2-Amino-4,6-dinitrotoluene	µg/L	1.9	0.11	U	0.11	U	0.12	U
4-Amino-2,6-dinitrotoluene	µg/L	1.9	0.15	U	0.15	U	0.17	U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	9.7	0.22	U	0.21	U	0.24	U
m-Nitrotoluene	µg/L	1.7	0.41	U	0.41	U	0.45	U
Nitrobenzene	µg/L	1.4	0.22	U	0.21	U	0.24	U
Nitroglycerin	µg/L	2.1	2.2	U	2.1	U	2.4	U
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	1,000	0.22	U	0.21	U	0.24	U
o-Nitrotoluene	µg/L	3.1	0.22	U	0.21	U	0.24	U
Pentaerythritol Tetranitrate (PETN)	µg/L	170	1.1	U	1.1	U	1.2	U
p-Nitrotoluene	µg/L	43	0.42	U	0.42	U	0.46	U
Trinitrophenylmethylnitramine (Tetryl)	µg/L	39	0.11	U	0.11	U	0.12	U
Perchlorate - SW6850								
Perchlorate	µg/L	14	0.20	U	**420**		0.20	U
Metals, Total - SW6020B/SW7470A								
Aluminum	µg/L	200	**46**	**J**	**25**	**J**	**18**	**J**
Antimony	µg/L	6	2.0	U	**0.45**	**J**	2.0	U
Arsenic	µg/L	10	**0.93**	**J**	**3.5**	**J**	**0.85**	**J**
Barium	µg/L	2,000	**17**		**7.3**		**13**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	**0.22**	**J**	1.0	U
Calcium	µg/L	na	**34,000**		**13,000**		**23,000**	
Chromium	µg/L	50	**1.3**	**J**	**0.65**	**J**	**0.61**	**J**
Cobalt	µg/L	50	1.0	U	1.0	U	1.0	U
Copper	µg/L	1,000	**1.5**	**J**	**0.86**	**J**	**1.1**	**J**
Iron	µg/L	300	200	U	200	U	200	U
Lead	µg/L	15	1.0	U	1.0	U	1.0	U
Magnesium	µg/L	na	**6,400**		**1,300**		**2,500**	
Manganese	µg/L	50	**0.71**	**J**	**27**		**90**	
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	**2.5**	**J**	3.0	U	3.0	U
Potassium	µg/L	na	**430**	**J**	**760**	**J**	**1,000**	
Selenium	µg/L	50	**8.3**		**2.8**	**J**	5.0	U
Silver	µg/L	50	1.0	U	1.0	U	1.0	U
Sodium	µg/L	na	**670,000**		**770,000**		**960,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**3.2**	**J**	**2.1**	**J**	5.0	U
Zinc	µg/L	5,000	10	U	**4.8**	**J**	**2.0**	**J**

Fort Wingate Depot Activity Northern Area
McKinley County, New Mexico
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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	TMW21102024		TMW32102024		TMW38102024	
DATE SAMPLED:			10/10/2024		10/10/2024		10/10/2024	
LAB SAMPLE ID:			280-197922-5 280-197922-2		280-197922-6 280-197922-3		280-197922-7 280-197922-4	
Metals, Dissolved - SW6020B/SW7470A								
Aluminum	µg/L	200	200	U	200	U	200	U
Antimony	µg/L	6	2.0	U	**0.40**	**J**	2.0	U
Arsenic	µg/L	10	**0.95**	**J**	**1.4**	**J**	**0.66**	**J**
Barium	µg/L	2,000	**17**		**6.3**		**12**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**32,000**		**13,000**		**21,000**	
Chromium	µg/L	50	**1.3**	**J**	3.0	U	3.0	U
Cobalt	µg/L	50	1.0	U	1.0	U	1.0	U
Copper	µg/L	1,000	**1.4**	**J**	2.0	U	2.0	U
Iron	µg/L	300	**19**	**J**	**8.8**	**J**	**79**	**J**
Lead	µg/L	15	1.0	U	1.0	U	1.0	U
Magnesium	µg/L	na	**6,600**		**1,300**		**2,300**	
Manganese	µg/L	50	3.0	U	**28**		**77**	
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	3.0	U	3.0	U	3.0	U
Potassium	µg/L	na	**450**	**J**	**860**	**J**	**1,100**	
Selenium	µg/L	50	**8.0**		**3.1**	**J**	5.0	U
Silver	µg/L	50	1.0	U	1.0	U	1.0	U
Sodium	µg/L	na	**690,000**		**820,000**		**990,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**2.9**	**J**	**2.2**	**J**	5.0	U
Zinc	µg/L	5,000	**4.4**	**J**	10	U	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]	TMW21102024	TMW32102024	TMW38102024
DATE SAMPLED:			10/10/2024	10/10/2024	10/10/2024
LAB SAMPLE ID:			280-197922-5 280-197922-2	280-197922-6 280-197922-3	280-197922-7 280-197922-4
General Chemistry					
Orthophosphate as P - EPA 365.1					
Orthophosphate as P	µg/L	20,000	**38 J**	50 U	**39 J**
Anions - SW9056A					
Bromide	µg/L	na	**600**	**850**	**620**
Chloride	µg/L	250,000	**71,000**	**180,000**	**480,000**
Fluoride	µg/L	1,600	**1,000**	**940 J**	**1,600**
Nitrate as N	µg/L	10,000	**12,000**	**3,000 J-**	500 U
Nitrite as N	µg/L	1,000	500 U	500 U	500 U
Sulfate	µg/L	250,000	**540,000**	**1,100,000**	**1,300,000**

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:		QC10102024TB	
DATE SAMPLED:		10/10/2024	
LAB SAMPLE ID:		280-197922-1	
	Unit		
Volatile Organics - SW8260D			
1,1,1,2-Tetrachloroethane	µg/L	1.0	UJ
1,1,1-Trichloroethane	µg/L	1.0	UJ
1,1,2,2-Tetrachloroethane	µg/L	1.0	UJ
1,1,2-Trichloroethane	µg/L	1.0	UJ
1,1-Dichloroethane	µg/L	1.0	UJ
1,1-Dichloroethene	µg/L	1.0	UJ
1,1-Dichloropropene	µg/L	1.0	UJ
1,2,3-Trichlorobenzene	µg/L	4.0	UJ
1,2,3-Trichloropropane	µg/L	2.5	UJ
1,2,4-Trichlorobenzene	µg/L	1.0	UJ
1,2,4-Trimethylbenzene	µg/L	1.0	UJ
1,2-Dibromo-3-chloropropane	µg/L	5.0	UJ
1,2-Dibromoethane (EDB)	µg/L	1.0	UJ
1,2-Dichlorobenzene	µg/L	1.0	UJ
1,2-Dichloroethane	µg/L	1.0	UJ
1,2-Dichloropropane	µg/L	1.0	UJ
1,3,5-Trimethylbenzene	µg/L	1.0	UJ
1,3-Dichlorobenzene	µg/L	1.0	UJ
1,3-Dichloropropane	µg/L	1.0	UJ
1,4-Dichlorobenzene	µg/L	1.0	UJ
2,2-Dichloropropane	µg/L	1.0	UJ
2-Butanone (MEK)	µg/L	10	UJ
2-Chlorotoluene	µg/L	1.0	UJ
2-Hexanone	µg/L	5.0	UJ
4-Chlorotoluene	µg/L	1.0	UJ
4-Isopropyltoluene	µg/L	1.0	UJ
4-Methyl-2-pentanone (MIBK)	µg/L	5.0	UJ
Acetone	µg/L	15	UJ
Benzene	µg/L	1.0	UJ
Bromobenzene	µg/L	1.0	UJ
Bromochloromethane	µg/L	1.0	UJ
Bromodichloromethane	µg/L	1.0	UJ
Bromoform	µg/L	2.0	UJ
Bromomethane	µg/L	5.0	UJ
Carbon disulfide	µg/L	2.0	UJ
Carbon tetrachloride	µg/L	1.0	UJ
Chlorobenzene	µg/L	1.0	UJ
Chloroethane	µg/L	2.0	UJ
Chloroform	µg/L	1.0	UJ
Chloromethane	µg/L	2.0	UJ
cis-1,2-Dichloroethene	µg/L	1.0	UJ
cis-1,3-Dichloropropene	µg/L	1.0	UJ
Dibromochloromethane	µg/L	1.0	UJ
Dibromomethane	µg/L	1.0	UJ
Dichlorodifluoromethane	µg/L	2.0	UJ
Ethylbenzene	µg/L	1.0	UJ
Hexachlorobutadiene	µg/L	2.0	UJ
Isopropylbenzene	µg/L	1.0	UJ
Methyl acetate	µg/L	5.0	UJ
Methyl tert-butyl ether (MTBE)	µg/L	5.0	UJ

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:		QC10102024TB	
DATE SAMPLED:		10/10/2024	
LAB SAMPLE ID:		280-197922-1	
Methylene chloride	µg/L	2.0	UJ
m-Xylene & p-Xylene	µg/L	2.0	UJ
Naphthalene	µg/L	3.0	UJ
n-Butylbenzene	µg/L	1.0	UJ
n-Propylbenzene	µg/L	1.0	UJ
o-Xylene	µg/L	1.0	UJ
sec-Butylbenzene	µg/L	1.0	UJ
Styrene	µg/L	1.0	UJ
tert-Butylbenzene	µg/L	1.0	UJ
Tetrachloroethene	µg/L	1.0	UJ
Toluene	µg/L	1.0	UJ
trans-1,2-Dichloroethene	µg/L	1.0	UJ
trans-1,3-Dichloropropene	µg/L	1.0	UJ
Trichloroethene	µg/L	1.0	UJ
Trichlorofluoromethane	µg/L	2.0	UJ
Vinyl chloride	µg/L	1.0	UJ
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#: 280-197922 **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	Y	
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#: 280-197922 **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	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#: 280-197922 **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	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	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#: 280-197922 **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	Y	
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#: 280-197922 **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, ICB/CCB	Y	
VI.	Field blanks	NA	
VII.	Interference check standard	NA	
VIII.	Matrix spike/Matrix spike duplicate	NA	
IX.	Laboratory control samples	Y	
X.	Lab duplicates	NA	
XI.	External standards	Y	
XII.	Dilution test	NA	
XIII.	Post digestion spike	NA	
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197922 **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	N	See DVR
III.	Instrument performance check/Tune	NA	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB, ICB/CCB	Y	
VI.	Field blanks	NA	
VII.	Interference check standard	NA	
VIII.	Matrix spike/Matrix spike duplicate	Y	
IX.	Laboratory control samples	Y	
X.	Lab duplicates	N	See DVR
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#: 280-197922 **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	Y	
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	Y	
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 (1/14/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Lab Reporting Batch: 280-197922-1						
Method: 365.1						
TMW38102024	280-197922-4	Water	Field_Sample	Gen Prep	10/10/2024 8:08:00 AM	S2AVE
TMW32102024	280-197922-3	Water	Field_Sample	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
TMW21102024	280-197922-2	Water	Field_Sample	Gen Prep	10/10/2024 8:05:00 AM	S2AVE
TMW32102024MSD	280-197922-3MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
TMW32102024MS	280-197922-3MS	Water	Matrix_Spike	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
Method: 6020B						
TMW38102024	280-197922-7	Water	Field_Sample	3005A	10/10/2024 8:08:00 AM	S2AVE
TMW21102024	280-197922-5	Water	Field_Sample	3005A	10/10/2024 8:05:00 AM	S2AVE
TMW32102024	280-197922-6	Water	Field_Sample	3005A	10/10/2024 9:55:00 AM	S2AVE
TMW32102024	280-197922-6	Water	Field_Sample	3020A	10/10/2024 9:55:00 AM	S2AVE
TMW38102024	280-197922-7	Water	Field_Sample	3020A	10/10/2024 8:08:00 AM	S2AVE
TMW38102024MSD	280-197922-7MSD	Water	Matrix_Spike_Duplicate	3020A	10/10/2024 8:08:00 AM	S2AVE
TMW38102024MS	280-197922-7MS	Water	Matrix_Spike	3020A	10/10/2024 8:08:00 AM	S2AVE
TMW21102024	280-197922-5	Water	Field_Sample	3020A	10/10/2024 8:05:00 AM	S2AVE
Method: 6850						
TMW21102024	280-197922-5	Water	Field_Sample	Gen Prep	10/10/2024 8:05:00 AM	S2AVE
TMW38102024	280-197922-7	Water	Field_Sample	Gen Prep	10/10/2024 8:08:00 AM	S2AVE
TMW32102024	280-197922-6	Water	Field_Sample	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
Method: 7470A						
TMW21102024	280-197922-5	Water	Field_Sample	7470A	10/10/2024 8:05:00 AM	S2AVE
TMW38102024	280-197922-7	Water	Field_Sample	7470A	10/10/2024 8:08:00 AM	S2AVE
TMW32102024	280-197922-6	Water	Field_Sample	7470A	10/10/2024 9:55:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/14/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 8015D-DRO						
TMW21102024	280-197922-5	Water	Field_Sample	3510C	10/10/2024 8:05:00 AM	S2AVE
Method: 8015D-GRO						
QC10102024TB	280-197922-1	Water	Trip_Blank	Gen Prep	10/10/2024 8:00:00 AM	S2AVE
TMW21102024	280-197922-5	Water	Field_Sample	Gen Prep	10/10/2024 8:05:00 AM	S2AVE
Method: 8260D						
TMW32102024	280-197922-6	Water	Field_Sample	5030B	10/10/2024 9:55:00 AM	S2AVE
TMW38102024	280-197922-7	Water	Field_Sample	5030B	10/10/2024 8:08:00 AM	S2AVE
QC10102024TB	280-197922-1	Water	Trip_Blank	5030B	10/10/2024 8:00:00 AM	S2AVE
TMW21102024	280-197922-5	Water	Field_Sample	5030B	10/10/2024 8:05:00 AM	S2AVE
Method: 8270E						
TMW38102024	280-197922-7	Water	Field_Sample	3510C	10/10/2024 8:08:00 AM	S2AVE
Method: 8330B						
TMW32102024	280-197922-6	Water	Field_Sample	3535	10/10/2024 9:55:00 AM	S2AVE
TMW38102024	280-197922-7	Water	Field_Sample	3535	10/10/2024 8:08:00 AM	S2AVE
TMW21102024	280-197922-5	Water	Field_Sample	3535	10/10/2024 8:05:00 AM	S2AVE
Method: 9056A						
TMW32102024DUP	280-197922-3DUP	Water	Duplicate	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
TMW38102024	280-197922-4	Water	Field_Sample	Gen Prep	10/10/2024 8:08:00 AM	S2AVE
TMW32102024	280-197922-3	Water	Field_Sample	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
TMW21102024	280-197922-2	Water	Field_Sample	Gen Prep	10/10/2024 8:05:00 AM	S2AVE
TMW32102024MS	280-197922-3MS	Water	Matrix_Spike	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
TMW32102024MSD	280-197922-3MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/10/2024 9:55:00 AM	S2AVE
TMW21102024DUP	280-197922-2DUP	Water	Duplicate	Gen Prep	10/10/2024 8:05:00 AM	S2AVE
TMW21102024MS	280-197922-2MS	Water	Matrix_Spike	Gen Prep	10/10/2024 8:05:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/14/2025) **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 9056A						
TMW21102024MSD	280-197922-2MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/10/2024 8:05:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: KAC (1/14/2025) **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: 280-197922-1

Laboratory: TAL DEN

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
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: 280-197922-1

Laboratory: TAL DEN

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 9056A **Preparation Method: Gen Prep**

Matrix: Water

Sample ID	Type	Actual	Criteria	Units	Flag
TMW32102024 (Initial/TOT)	Sampling To Analysis	59.00	48.00	HOURS	J- (all detects) UJ (all non-detects)

Trip Blank Outlier Report

Lab Reporting Batch ID: 280-197922-1

Laboratory: TAL DEN

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **6020B**
Matrix: **Water**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-670743/1-A	10/22/2024 4:09:18 AM	ALUMINUM	9.36 ug/L	TMW21102024 TMW32102024 TMW38102024
MB 280-670767/1-A	10/17/2024 12:44:23 PM	IRON MAGNESIUM	28.5 ug/L 29.3 ug/L	TMW21102024 TMW32102024 TMW38102024

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
TMW21102024(Initial/DIS)	ALUMINUM	12 ug/L	200U ug/L
TMW21102024(Initial/TOT)	IRON	37 ug/L	200U ug/L
TMW32102024(Initial/DIS)	ALUMINUM	13 ug/L	200U ug/L
TMW32102024(Initial/TOT)	IRON	29 ug/L	200U ug/L
TMW38102024(Initial/DIS)	ALUMINUM	16 ug/L	200U ug/L
TMW38102024(Initial/TOT)	IRON	120 ug/L	200U ug/L

Surrogate Outlier Report

Lab Reporting Batch ID: 280-197922-1

Laboratory: TAL DEN

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197922-1

Laboratory: TAL DEN

EDD Filename: 280-197922-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197922-1

Laboratory: TAL DEN

EDD Filename: 280-197922-1_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*
TMW38102024MS (Total) TMW38102024MSD (Total) (TMW38102024)	SODIUM	556	-2656	85.00-117.00	-	SODIUM	J (all detects) UJ (all non-detects)
TMW38102024MS (Total) TMW38102024MSD (Total) (TMW38102024)	CALCIUM	73	16	87.00-118.00	-	CALCIUM	J-(all detects) UJ(all non-detects)

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

Lab Duplicate Outlier Report

Lab Reporting Batch ID: 280-197922-1

Laboratory: TAL DEN

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

Method: 9056A
Matrix: Water

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
TMW32102024DUP (TMW32102024)	FLUORIDE	29	10.00	J (all detects) UJ (all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename: 280-197922-1_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
TMW21102024	Orthophosphate as P	J	38	50	LOQ	ug/L	J (all detects)
TMW38102024	Orthophosphate as P	J	39	50	LOQ	ug/L	J (all detects)

Method: 6020B

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW21102024	ALUMINUM	J	46	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.93	5.0	LOQ	ug/L	
	CHROMIUM	J	1.3	3.0	LOQ	ug/L	
	COPPER	J	1.5	2.0	LOQ	ug/L	
	IRON	J	37	200	LOQ	ug/L	
	MANGANESE	J	0.71	3.0	LOQ	ug/L	
	NICKEL	J	2.5	3.0	LOQ	ug/L	
	POTASSIUM	J	430	1000	LOQ	ug/L	
	VANADIUM	J	3.2	5.0	LOQ	ug/L	
	ZINC	J	4.4	10	LOQ	ug/L	
TMW32102024	ALUMINUM	J	25	200	LOQ	ug/L	J (all detects)
	ANTIMONY	J	0.45	2.0	LOQ	ug/L	
	ARSENIC	J	3.5	5.0	LOQ	ug/L	
	CADMIUM	J	0.22	1.0	LOQ	ug/L	
	CHROMIUM	J	0.65	3.0	LOQ	ug/L	
	COPPER	J	0.86	2.0	LOQ	ug/L	
	IRON	J	29	200	LOQ	ug/L	
	POTASSIUM	J	760	1000	LOQ	ug/L	
	SELENIUM	J	2.8	5.0	LOQ	ug/L	
	SILVER	J	0.10	1.0	LOQ	ug/L	
	VANADIUM	J	2.1	5.0	LOQ	ug/L	
	ZINC	J	4.8	10	LOQ	ug/L	
TMW38102024	ALUMINUM	J	18	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.85	5.0	LOQ	ug/L	
	CHROMIUM	J	0.61	3.0	LOQ	ug/L	
	COPPER	J	1.1	2.0	LOQ	ug/L	
	IRON	J	120	200	LOQ	ug/L	
	ZINC	J	2.0	10	LOQ	ug/L	

Method: 9056A

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW32102024	FLUORIDE	J M	940	1000	LOQ	ug/L	J (all detects)

Field QC Assignments and Associated Samples

EDD File Name: 280-197922-1
eQapp Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

	Associated Samples	Sample Collection Date
Field QC QC10102024TB **QC Type:** Trip_Blank		
	TMW21102024	10/10/2024 8:05:00 AM
	TMW38102024	10/10/2024 8:08:00 AM
	TMW32102024	10/10/2024 9:55:00 AM

Data Qualifier Summary

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: GENCHEM

Sample ID: TMW21102024 **Collected:** 10/10/2024 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	38	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: TMW38102024 **Collected:** 10/10/2024 8:08:00 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	39	J	40	LOD	50	LOQ	ug/L	J	TR

Method Category: GENCHEM

Sample ID: TMW32102024 **Collected:** 10/10/2024 9:55:00 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	940	J M	500	LOD	1000	LOQ	ug/L	J	TR, DU2
Nitrate as N	3000	H	200	LOD	500	LOQ	ug/L	J-	SC1

Method Category: METALS

Sample ID: TMW21102024 **Collected:** 10/10/2024 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	12	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ARSENIC	0.95	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	1.3	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	1.4	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	19	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	450	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.9	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	4.4	J	8.0	LOD	10	LOQ	ug/L	J	TR

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW21102024** ***Collected:*** **10/10/2024 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	46	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	0.93	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	1.3	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	1.5	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	37	J	40	LOD	200	LOQ	ug/L	U	BLT/BLU
MANGANESE	0.71	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
NICKEL	2.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	430	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	3.2	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW32102024** ***Collected:*** **10/10/2024 9:55:00 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	13	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ANTIMONY	0.40	J	1.0	LOD	2.0	LOQ	ug/L	J	TR
ARSENIC	1.4	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	8.8	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	860	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	3.1	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: **TMW32102024** ***Collected:*** **10/10/2024 9:55:00 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	25	J	30	LOD	200	LOQ	ug/L	J	TR
ANTIMONY	0.45	J	1.0	LOD	2.0	LOQ	ug/L	J	TR
ARSENIC	3.5	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CADMIUM	0.22	J	0.75	LOD	1.0	LOQ	ug/L	J	TR
CHROMIUM	0.65	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	0.86	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	29	J	40	LOD	200	LOQ	ug/L	U	BLT/BLU
POTASSIUM	760	J	76	LOD	1000	LOQ	ug/L	J	TR

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: METALS

Sample ID: TMW32102024 **Collected:** 10/10/2024 9:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	2.8	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
SILVER	0.10	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	2.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	4.8	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: TMW38102024 **Collected:** 10/10/2024 8:08:00 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	16	J	30	LOD	200	LOQ	ug/L	U	BLT/BLU
ARSENIC	0.66	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	79	J	40	LOD	200	LOQ	ug/L	J	TR

Sample ID: TMW38102024 **Collected:** 10/10/2024 8:08:00 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	18	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	0.85	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.61	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	1.1	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	120	J	40	LOD	200	LOQ	ug/L	U	BLT/BLU
ZINC	2.0	J	8.0	LOD	10	LOQ	ug/L	J	TR

Method Category: VOA

Sample ID: QC10102024TB **Collected:** 10/10/2024 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
1,1,1,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1,1-TRICHLOROETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1,2,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1,2-TRICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **VOA**

Sample ID: **QC10102024TB** ***Collected:*** **10/10/2024 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*
1,1-DICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1-DICHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1-DICHLOROPROPENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2,3-TRICHLOROBENZENE	2.5	U	2.5	LOD	4.0	LOQ	ug/L	UJ	PR1
1,2,3-TRICHLOROPROPANE	1.8	U	1.8	LOD	2.5	LOQ	ug/L	UJ	PR1
1,2,4-TRICHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2,4-TRIMETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DIBROMO-3-CHLOROPROPANE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
1,2-DIBROMOETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DICHLOROBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DICHLOROETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,3,5-TRIMETHYLBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,3-DICHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
1,3-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,4-DICHLOROBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
2,2-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
2-Butanone [MEK]	8.0	U	8.0	LOD	10	LOQ	ug/L	UJ	PR1
2-CHLOROTOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
2-HEXANONE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
4-CHLOROTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
4-ISOPROPYLTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
4-Methyl-2-pentanone [MIBK]	3.2	U	3.2	LOD	5.0	LOQ	ug/L	UJ	PR1
ACETONE	8.0	U	8.0	LOD	15	LOQ	ug/L	UJ	PR1
BENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMOBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMOCHLOROMETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMODICHLOROMETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMOFORM	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	PR1
BROMOMETHANE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
CARBON DISULFIDE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	PR1

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: 280-197922-1 **Laboratory: TAL DEN**

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: **VOA**

Sample ID: **QC10102024TB** ***Collected:*** **10/10/2024 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*
CARBON TETRACHLORIDE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
CHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
CHLOROETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	PR1
CHLOROFORM	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
CHLOROMETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	PR1
CIS-1,2-DICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
CIS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
DIBROMOCHLOROMETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
DIBROMOMETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
DICHLORODIFLUOROMETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	PR1
ETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
HEXACHLOROBUTADIENE	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	PR1
ISOPROPYLBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
METHYL ACETATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
METHYL TERT-BUTYL ETHER	0.80	U	0.80	LOD	5.0	LOQ	ug/L	UJ	PR1
METHYLENE CHLORIDE	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	PR1
m-Xylene & p-Xylene	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	PR1
NAPHTHALENE	2.0	U	2.0	LOD	3.0	LOQ	ug/L	UJ	PR1
N-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
N-PROPYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
O-XYLENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
SEC-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
STYRENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
TERT-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
TETRACHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
TOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
TRANS-1,2-DICHLOROETHENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
TRANS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
TRICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
TRICHLOROFLUOROMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	PR1
VINYL CHLORIDE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: 280-197922-1

Laboratory: TAL DEN

EDD Filename:
280-197922-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Reason Code Legend

Reason Code	*Description*
BLT/BLU	Method Blank Contamination
DU2	Laboratory Duplicate Precision
ICB/CCB	Calibration Blank Contamination
MD1	Matrix Spike Upper Estimation
MD2	Matrix Spike Lower Estimation
PR1	Preservation
SC1	Sampling to Analysis Estimation
TR	Reporting Limit Trace Value

* denotes a non-reportable result