DATA VALIDATION SUMMARY REPORT

for Samples Collected During

Groundwater Monitoring

Fort Wingate Depot Activity

McKinley County, New Mexico

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Report Date: 2/14/25

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INTRODUCTION

The following data validation summary report covers thirteen (13) water samples, and associated field quality control (QC) samples collected on October 1 and 2, 2024, at Fort Wingate Depot Activity (FWDA), located in McKinley County, New Mexico. The samples were logged under Sample Delivery Group (SDG) 280-197491.

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, pesticides by U.S.EPA Method 8081B, polychlorinated biphenyls (PCBs) by U.S. EPA Method 8082A, explosives by EPA Method 8330B, perchlorate by EPA Method 6850, herbicides by U.S. EPA Method 8321B, 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
QC02102024TB (Trip Blank)	280-197491-1	Water	V, TPH
BGMW11102024	280-197491-2	Water	V, S, M, P, E, TPH
TMW31S102024	280-197491-3	Water	V, M, P, E
TMW63102024	280-197491-4	Water	V, S, M, P, E, TPH
MW29102024	280-197491-5	Water	V, S, M, P, E, TPH
TMW26102024	280-197491-6	Water	V, M
TMW40D102024	280-197491-7	Water	V, M, P, E
TMW39D102024	280-197491-8	Water	V, M, P, E
FDUP03-102024 (Field Duplicate of BGMW11102024)	280-197491-9	Water	V, S, M, P, E, TPH
QC02102024EB (Equipment Blank)	280-197491-10	Water	V, S, M, P, E, TPH, Pest, H, PCB
SMW01102024	280-197491-11	Water	V, M
MW02102024	280-197491-12	Water	V, S, M, TPH
TMW56102024	280-197491-13	Water	P
BGMW11102024	280-197491-14	Water	A, O
TMW31S102024	280-197491-15	Water	A, O
TMW63102024	280-197491-16	Water	A, O
MW29102024	280-197491-17	Water	A, O
TMW26102024	280-197491-18	Water	A, O
TMW40D102024	280-197491-19	Water	A, O
TMW39D102024	280-197491-20	Water	A, O
FDUP03-102024 (Field Duplicate of BGMW11102024)	280-197491-21	Water	A, O
QC02102024EB (Equipment Blank)	280-197491-22	Water	A, O
SMW01102024	280-197491-23	Water	A, O

Parameters:

A=Anions
O= Orthophosphate as P
V=VOCs
S=SVOCs
TPH=GRO/DRO/ORO
Pest=Pesticides
H=Herbicides
PCB=Polychlorinated Biphenyls
E=Explosives
P=Perchlorate
M=Metals/Mercury

EXTRACTION, ANALYTICAL, AND REPORTING DETAILS

Parameter	Matrix	Prep Method	Analytical Method	Units
Anions	Water	--	SW846 9056A	ug/L
Orthophosphate as P	Water	--	EPA 365.1	ug/L
VOCs	Water	--	SW846 8260D	ug/L
SVOCs	Water	3510C	SW846 8270E	ug/L
TPH GRO	Water	--	SW846 8015D	ug/L
TPH DRO/ORO	Water	3510C	SW846 8015D	ug/L
Pesticides	Water	3510C	SW846 8081B	ug/L
Herbicides	Water	--	SW846 8321B	ug/L
PCBs	Water	3510C	SW846 8082A	ug/L
Explosives	Water	3535	EPA 8330B	ug/L
Perchlorate	Water	--	EPA 6850	ug/L
Metals	Water	3005A/3020A	SW846 6020B	ug/L
Mercury	Water	7470A	SW846 7470A	ug/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 ten (10) water samples. The samples were collected on October 2, 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 TMW63102024 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 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.

Precision was further evaluated by comparing the field duplicate results. The following sample was submitted to the lab as a blind field duplicate sample: FDUP03-102024 (parent sample – BGMW11102024). The RPD for bromide exceeded the acceptance criteria of 30%, as such, the results for nitrate 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 with the exceptions 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.

Fourteen laboratory method blanks were associated with the anions analyses in this SDG. Chloride was detected in one or more laboratory method blanks. The associated samples were greater than 5 times the method blank detections, as such, qualification was not warranted.

One equipment blank was associated with the anions analyses in this SDG. Chloride was detected in the equipment blank. The associated samples were greater than 5 times the equipment blank detection, as such, qualification was not warranted.

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 ten (10) water samples. The samples were collected on October 2, 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. Samples TMW63102024 and TMW39D102024 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 RPD obtained from the LCS/LCSD and MS/MSD concentrations.

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

Precision was further evaluated by comparing the field duplicate results. The following sample was submitted to the lab as a blind field duplicate sample: FDUP03-102024 (parent

sample – BGMW11102024). The results for orthophosphate were non-detect, as such, the RPD 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 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.

One equipment blank was associated with the orthophosphate analyses in this SDG. The equipment 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 twelve (12) water samples. The samples were collected on October 1 and 2, 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.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD, MS/MSD and the surrogate spikes. Sample TMW63102024 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.

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate samples: FDUP03-102024 (parent sample – BGMW11102024). The RPDs for all VOCs 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.

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

One equipment blank and one trip blank was associated with the VOC analyses in this SDG. Chlorodibromomethane, chloroform and dichlorobromomethane were detected in the equipment blank. The associated samples were non-detect for all VOCs, as such qualification was not warranted.

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 six (6) water samples. The samples were collected on October 1 and 2, 2024 and were analyzed for SVOCs as specified in the project-specific UFP-QAPP.

The SVOC analyses were performed in accordance with U.S. EPA Method 8270E. 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, MS/MSD and the surrogate spikes. Sample TMW63102024 was designated for MS/MSD analysis by the laboratory.

All LCS and MS/MSD 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 batches 670107 and 670247 were outside control limits. The surrogate recovery in the associated samples were within control limits; therefore, corrective action was not necessary, and qualification of data was not warranted.

Precision

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

One or more MS/MSD RPDs for SVOCs exceeded acceptance criteria for sample TMW63102024. All SVOCs were non-detect in the noted sample, as such qualification was not warranted.

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate samples: FDUP03-102024 (parent sample – BGMW11102024). All SVOCs were non-detect, as such RPDs 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 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 with the following exception:
    - The CCV associated with batch 670107 exceeded the percent difference (%D) criteria for 2,2'-oxybis[1-chloropropane], 3-nitroaniline, pentachlorophenol and 4,6-dinitro-2-methylphenol. The associated sample, MW02102024, was non-detect for these analytes, 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 SVOC analyses in this SDG. The laboratory method blanks were non-detect for SVOCs.

One equipment blank was associated with the SVOC analyses in this SDG. The equipment 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 1 and 2, 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, MS/MSD and the surrogate spikes.

All LCS/LCSD and MS/MSD 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 and MS/MSD concentrations.

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

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate samples: FDUP03-102024 (parent sample – BGMW11102024). TPH GRO was non-detect, as such the RPD 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.

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

One equipment blank and one trip blank were associated with the TPH GRO analyses in this SDG. The equipment blank and trip blank were 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 1 and 2, 2024, and were analyzed for TPH DRO/ORO as specified in the project-specific UFP-QAPP.

The TPH DRO/ORO 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, MS/MSD and the surrogate spikes.

All LCS/LCSD and MS/MSD 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 and MS/MSD concentrations.

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

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate samples: FDUP03-102024 (parent sample – BGMW11102024). TPH DRO/ORO were non-detect, as such the RPDs 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.

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

One equipment blank was associated with the TPH DRO/ORO analyses in this SDG. The equipment 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 samples in this SDG were considered usable. Therefore, the completeness for the TPH DRO/ORO portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

PESTICIDES

General

The pesticides portion of this SDG consisted of one (1) water sample, an equipment blank. The sample was collected on October 2, 2024, and was analyzed for pesticides as specified in the project-specific UFP-QAPP.

The pesticide analyses were performed in accordance with U.S. EPA Method 8081B. 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 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 DDT-Endrin breakdown 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.

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

One equipment blank was associated with the pesticides analyses in this SDG. The equipment blank was non-detect for all target pesticides.

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

HERBICIDES

General

The herbicides portion of this SDG consisted of one (1) water sample, an equipment blank. The sample was collected on October 2, 2024 and was analyzed for herbicides as specified in the project-specific UFP-QAPP.

The herbicides analysis was performed in accordance with U.S. EPA Method 8321. 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, MS/MSD and the surrogate spikes. Sample QC01102024EB was designated for MS/MSD analysis by the laboratory.

All LCS/LCSD and MS/MSD 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 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 CCV criteria were met.
- All internal standard criteria were met.

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

One equipment blank was associated with the herbicides analyses in this SDG. The equipment blank was non-detect for all target herbicides.

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

POLYCHLORINATED BIPHENYLS

General

The PCBs portion of this SDG consisted of one (1) water sample, an equipment blank. The sample was collected on October 2, 2024, and was analyzed for PCBs as specified in the project-specific UFP-QAPP.

The PCB analyses were performed in accordance with U.S. EPA Method 8082A. 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 except for the following:
    - PCB-1016, PCB-1260, tetrachloro-m-xylene and decachlorobiphenyl were above acceptance limits on column 1 for one or more CCVs associated with prep batch 669957. PCB-1016, PCB-1260 and decachlorobiphenyl were above acceptance limits on column 2 for one or more CCVs associated with prep batch 669957. Sample QC02102024 was non-detect for PCB-1016 and PCB-1260, as such, the results were qualified "UJ" as estimated at the reporting limit.
- All internal standard 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 PCB analyses in this SDG. The laboratory method blank was non-detect for all target PCBs.

One equipment blank was associated with the PCB analyses in this SDG. The equipment blank was non-detect for all target PCBs.

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

EXPLOSIVES

General

The explosives portion of this SDG consisted of eight (8) water samples. The samples were collected on October 2, 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, MS/MSD and the surrogate spikes. Sample TMW63102024 was designated for MS/MSD analysis by the laboratory.

All LCS and MS/MSD 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 BGMW11102024		
Surrogate	**%REC**	**Criteria**
1,2-dinitrobenzene	82	83-119%
Sample TMW63102024		
Surrogate	**%REC**	**Criteria**
1,2-dinitrobenzene	77	83-119%

Surrogate, 1,2-dinitrobenzene, recovered below acceptance criteria in samples BGMW11102024 and TMW63102024. As such, all explosive analytes were qualified "UJ" as estimated at the reporting limit.

Precision

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

All MS/MSD RPDs were within acceptance criteria.

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate samples: FDUP03-102024 (parent sample – BGMW11102024). All target explosives were non-detect, as such the RPDs 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.
- Column confirmation criteria for detected results met criteria with the following exception: the primary and confirmation column RPD for 1,3-dinitrobenzene, 2,4-dinitrotoluene and HMX exceeded 40% for samples TMW31S102024 and TMW39D102024. As such, the results were qualified "J" as estimated.

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

One equipment blank was associated with the explosive analyses in this SDG. The equipment 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 nine (9) water samples. The samples were collected on October 2, 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 and MS/MSD. Sample TMW63102024 was designated for MS/MSD analysis by the laboratory.

All LCS spike recoveries were within acceptance criteria.

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

Parent Sample TMW63102024			
Analyte	**MS %REC**	**MSD %REC**	**Criteria**
perchlorate	103	122*	84-119%

*outside acceptance criteria

Perchlorate recovered high and outside criteria in the MSD. Perchlorate was non-detect in TMW63102024, as such qualification of data was not warranted.

Precision

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

All MS/MSD RPDs were within acceptance criteria.

Precision was further evaluated by comparing the field duplicate results. The following sample was submitted to the lab as a blind field duplicate sample: FDUP03-102024 (parent sample – BGMW11102024). Perchlorate was non-detect in the parent sample and field duplicate. As such, the RPDs 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.

One equipment blank was associated with the perchlorate analyses in this SDG. The equipment 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 eleven (11) water samples. The samples were collected on October 1 and 2, 2024 and were analyzed for 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 TMW63102024 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:

Sample TMW63102024			
Analyte	**MS %R**	**MSD %R**	**Criteria**
aluminum	105	156*	84-117%
iron	85*	85*	87-118%
manganese	101	120*	87-115%
magnesium	100	182*	83-118%
potassium	97	132*	83-118%

* indicates the recovery was outside acceptance criteria.

The MS and/or MSD RECs for the above noted metals recovered outside criteria in sample TMW63102024. Detections of aluminum, magnesium, manganese and potassium were qualified “J” as estimated and “J+” as estimated high bias. Non-detects of iron were qualified “J-” as estimated low 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 except for the following:

Sample TMW63102024		
Analyte	**%RPD**	**Criteria**
aluminum	26	RPD ≤ 20
magnesium	33	RPD ≤ 20

The MS/MSD RPDs for aluminum and magnesium exceeded acceptance criteria for sample TMW63102024. Aluminum and magnesium were detected in the above noted sample and were qualified "J" as estimated.

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as a blind field duplicate sample: FDUP03-102024 (parent sample – BGMW11102024). The RPDs for one or more metals exceeded the acceptance criteria of 30%, as such, the results for 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 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 follow:
    - The ICB associated with batch 669742 had a detection of dissolved silver. Dissolved silver was detected less than 5 times the ICB detection in associated sample MW29102024. As such, the result was qualified “U” as non-detect.
    - The ICB associated with batch 670308 had a detection of total silver. Total silver was detected less than 5 times the ICB detection in one or more associated samples, as such, the results were qualified “U” as non-detect.
- All CCB criteria were met except for the following:
    - The CCBs associated with batch 669978 had detections of potassium, silver and sodium. Silver and sodium were either non-detect or greater than 5 times the CCB detections. As such, no qualification was warranted for these analytes. Potassium was detected less than 5 times the CCBs detections in one or more associated samples. As such, the results were qualified “U” as non-detect.
    - The CCBs associated with batch 669742 had detections of aluminum, calcium, magnesium, potassium, sodium and silver. Calcium, magnesium, potassium and sodium were either non-detect or greater than 5 times the CCB detections. As such, no qualification was warranted for these analytes. Aluminum and silver were detected less than 5 times the CCBs detections in one or more associated samples. As such, the results were qualified “U” as non-detect.
    - The CCBs associated with batch 670308 had detections of aluminum, magnesium, potassium, sodium and silver. Aluminum, magnesium, potassium and sodium were either non-detect or greater than 5 times the CCB detections. As such, no qualification was warranted for these analytes. Silver was detected less than 5 times the CCBs detections in one or more associated samples. 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 metals met criteria in the PDS.

Four laboratory method blanks were associated with the metals analyses in this SDG. Iron, manganese and vanadium 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.

One equipment blank was associated with the metals analyses in this SDG. Aluminum, calcium, magnesium, potassium, sodium and zinc were detected in the equipment blank. The associated samples with detections less than 5 times the equipment 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 eleven (11) water samples. The samples were collected on October 2, 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 with the following exception: all samples were prepared for dissolved mercury outside the method required holding time documented in the QAPP. This was due to the analysis being requested after preparation holding time had expired. As such, all dissolved mercury results were qualified “UJ” as estimated at the reporting limit.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS and MS/MSD. Sample TMW63102024 was designated for MS/MSD analysis by the laboratory.

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

Precision

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

All MS/MSD RPDs were within acceptance criteria.

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate sample: FDUP03-102024 (parent sample – BGMW11102024). Mercury was non-detect in the parent sample and field duplicate, as such, the RPDs 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 with the exceptions previously noted. The following QC elements were also evaluated:

- All initial calibration criteria were met.
- 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.
- A serial 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 mercury results met criteria in the DT.
- The PDS was performed on the same sample as the MS/MSD. The PDS was only applicable when mercury results failed in the MS/MSD. The mercury results met criteria.

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

One equipment blank was associated with the mercury analyses in this SDG. The equipment blank was 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-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chlorophenol, 2-Methylnaphthalene, 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, 4-Nitroaniline, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl) phthalate, Dibenz(a,h)anthracene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno[1,2,3-cd]pyrene, Isophorone, Naphthalene, Nitrobenzene, N-Nitrosodi-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenol and Pyrene	MW29102024
8330B	nitroglycerin	QC02102024EB, BGMW11102024, TMW31S102024, TMW63102024, MW29102024, TMW40D102024, TMW39D102024, and FDUP03-102024

Methods	Parameters	Samples
8015D	DRO	QC02102024EB, MW02102024, BGMW11102024 and MW29102024

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]	BGMW11102024	FDUP03-102024*	MW02102024	MW29102024	SMW01102024	TMW26102024	TMW31S102024	TMW39D102024	TMW40D102024	TMW56102024	TMW63102024
DATE SAMPLED:			10/02/2024	10/02/2024	10/01/2024	10/02/2024	10/02/2024	10/02/2024	10/02/2024	10/02/2024	10/02/2024	10/02/2024	10/02/2024
LAB SAMPLE ID:			280-197491-2 280-197491-14	280-197491-9 280-197491-21	280-197491-12 280-197419-32	280-197491-5 280-197491-17	280-197491-11 280-197491-23	280-197491-6 280-197491-18	280-197491-3 280-197491-15	280-197491-8 280-197491-20	280-197491-7 280-197491-19	280-197491-13	280-197491-4 280-197491-16
	Unit												
Volatile Organics - SW8260D													
1,1,1,2-Tetrachloroethane	µg/L	5.7	1.0 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	4.0 U	4.0 U	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 U	2.5 U	2.5 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	5.0 U	5.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U
2-Chlorotoluene	µg/L	240	1.0 U	1.0 U	1.0 U	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 U	5.0 U	5.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	5.0 U	5.0 U	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 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	--	15 U
Benzene	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	1.0 U	--	1.0 U
Bromobenzene	µg/L	62	1.0 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	1.0 U	1.0 U	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 U	2.0 U	2.0 U	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 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U

Fort Wingate Depot Activity Northern Area
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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	BGMW11102024		FDUP03-102024*		MW02102024		MW29102024		SMW01102024		TMW26102024		TMW31S102024		TMW39D102024		TMW40D102024		TMW56102024	TMW63102024	
DATE SAMPLED:			10/02/2024		10/02/2024		10/01/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024	10/02/2024	
LAB SAMPLE ID:			280-197491-2 280-197491-14		280-197491-9 280-197491-21		280-197491-12 280-197419-32		280-197491-5 280-197491-17		280-197491-11 280-197491-23		280-197491-6 280-197491-18		280-197491-3 280-197491-15		280-197491-8 280-197491-20		280-197491-7 280-197491-19		280-197491-13	280-197491-4 280-197491-16	
Carbon disulfide	µg/L	810	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	--	2.0	U
Carbon tetrachloride	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	1.0	U	--	1.0	U
Chlorobenzene	µg/L	100	1.0	U	1.0	U	1.0	U	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	U	2.0	U	2.0	U	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	U	1.0	U	1.0	U	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	**0.45**	**J**	2.0	U	2.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	2.0	U	2.0	U	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	U	1.0	U	1.0	U	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	U	2.0	U	2.0	U	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	U	1.0	U	1.0	U	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	U	5.0	U	5.0	U	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	U	5.0	U	5.0	U	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	U	2.0	U	2.0	U	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	U	2.0	U	2.0	U	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	U	3.0	U	3.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	1.0	U	1.0	U	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	U	2.0	U	2.0	U	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	U	1.0	U	1.0	U	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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Semivolatile Organics - SW8270E													
2,2'-Oxybis (1-chloropropane)	µg/L	710	9.3 U	10 U	9.8 UJ	100 U	--	--	--	--	--	--	9.5 U
2,4,5-Trichlorophenol	µg/L	1,200	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2,4,6-Trichlorophenol	µg/L	12	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2,4-Dichlorophenol	µg/L	46	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2,4-Dimethylphenol	µg/L	360	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2,4-Dinitrophenol	µg/L	39	28 U	31 U	29 U	300 U	--	--	--	--	--	--	29 U
2,4-Dinitrotoluene	µg/L	10	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2,6-Dinitrotoluene	µg/L	10	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2-Chloronaphthalene	µg/L	750	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
2-Chlorophenol	µg/L	91	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2-Methylnaphthalene	µg/L	30	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
2-Methylphenol	µg/L	930	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2-Nitroaniline	µg/L	190	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
2-Nitrophenol	µg/L	na	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
3 & 4 Methylphenol	µg/L	370	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
3,3'-Dichlorobenzidine	µg/L	50	47 U	51 U	49 U	500 U	--	--	--	--	--	--	48 U
3-Nitroaniline	µg/L	38	9.3 U	10 U	9.8 UJ	100 U	--	--	--	--	--	--	9.5 U
4,6-Dinitro-2-methylphenol	µg/L	50	47 U	51 U	49 UJ	500 U	--	--	--	--	--	--	48 U
4-Bromophenyl phenyl ether	µg/L	na	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
4-Chloro-3-methylphenol	µg/L	1,400	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
4-Chloroaniline	µg/L	20	19 U	20 U	20 U	200 U	--	--	--	--	--	--	19 U
4-Chlorophenyl phenyl ether	µg/L	na	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
4-Nitroaniline	µg/L	38	9.3 U	10 U	9.8 U	100 U	--	--	--	--	--	--	9.5 U
4-Nitrophenol	µg/L	na	23 U	26 U	24 U	250 U	--	--	--	--	--	--	24 U
Acenaphthene	µg/L	530	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
Acenaphthylene	µg/L	120	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
Anthracene	µg/L	1,800	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
Benzaldehyde	µg/L	190	4.7 U	5.1 U	4.9 U	50 U	--	--	--	--	--	--	4.8 U
Benz(a)anthracene	µg/L	4	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
Benzo(a)pyrene	µg/L	4	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
Benzo(b)fluoranthene	µg/L	4	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U
Benzo(g,h,i)perylene	µg/L	120	3.7 U	4.1 U	3.9 U	40 U	--	--	--	--	--	--	3.8 U

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Benzo(k)fluoranthene	µg/L	25	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
bis(2-Chloroethoxy)methane	µg/L	59	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
bis(2-Chloroethyl)ether	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
bis(2-Ethylhexyl)phthalate	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Butyl benzyl phthalate	µg/L	160	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Caprolactam	µg/L	9,900	14	U	15	U	15	U	150	U	--	--	--	--	--	--	14	U
Carbazole	µg/L	290	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Chrysene	µg/L	250	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Dibenz(a,h)anthracene	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Dibenzofuran	µg/L	7.9	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Diethyl phthalate	µg/L	15,000	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Dimethyl phthalate	µg/L	na	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Di-n-butyl phthalate	µg/L	900	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Di-n-octyl phthalate	µg/L	200	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Fluoranthene	µg/L	800	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Fluorene	µg/L	290	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Hexachlorobenzene	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Hexachlorobutadiene	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Hexachlorocyclopentadiene	µg/L	50	47	U	51	U	49	U	500	U	--	--	--	--	--	--	48	U
Hexachloroethane	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Indeno(1,2,3-cd)pyrene	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Isophorone	µg/L	780	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Naphthalene	µg/L	30	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Nitrobenzene	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
n-Nitrosodi-n-propylamine	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
N-Nitrosodiphenylamine	µg/L	120	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Pentachlorophenol	µg/L	50	47	U	51	U	49	UJ	500	U	--	--	--	--	--	--	48	U
Phenanthrene	µg/L	170	3.7	U	4.1	U	3.9	U	40	U	--	--	--	--	--	--	3.8	U
Phenol	µg/L	10	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U
Pyrene	µg/L	120	9.3	U	10	U	9.8	U	100	U	--	--	--	--	--	--	9.5	U

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Petroleum Hydrocarbons - SW8015D																								
Gasoline Range Organics (GRO) C6-C10	µg/L	25	25	U	25	U	25	U	25	U	--		--		--		--		--		--		25	U
Diesel Range Organics (DRO) C10-C28	µg/L	250	500	U	240	U	**65**	**J**	1,300	U	--		--		--		--		--		--		240	U
Oil Range Organics (ORO) C20-C38	µg/L	60,200	1,000	U	470	U	**140**	**J**	**300**	**J**	--		--		--		--		--		--		480	U
Explosives - SW8330B																								
1,3,5-Trinitrobenzene	µg/L	590	0.22	UJ	0.23	U	--		0.23	U	--		--		0.23	U	0.22	U	0.22	U	--		0.23	U
1,3-Dinitrobenzene	µg/L	2	0.12	UJ	0.12	U	--		0.12	U	--		--		0.12	UJ	**0.13**		0.12	U	--		0.12	UJ
2,4,6-Trinitrotoluene (TNT)	µg/L	9.8	0.12	UJ	0.12	U	--		0.12	U	--		--		0.12	U	0.11	U	0.12	U	--		0.12	U
2,4-Dinitrotoluene	µg/L	2.4	0.10	UJ	0.11	U	--		0.11	U	--		--		0.11	UJ	**0.39**		0.11	U	--		0.11	U
2,6-Dinitrotoluene	µg/L	0.49	0.10	UJ	0.11	U	--		0.11	U	--		--		0.11	U	0.10	U	0.11	U	--		0.11	U
2-Amino-4,6-dinitrotoluene	µg/L	1.9	0.12	UJ	0.12	U	--		0.12	U	--		--		0.12	U	0.11	U	0.12	U	--		0.12	U
4-Amino-2,6-dinitrotoluene	µg/L	1.9	0.16	UJ	0.17	U	--		0.16	U	--		--		0.17	U	0.16	U	0.16	U	--		0.16	U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	9.7	0.22	UJ	0.23	U	--		0.23	U	--		--		0.23	U	0.22	U	0.22	U	--		0.23	U
m-Nitrotoluene	µg/L	1.7	0.42	UJ	0.44	U	--		0.44	U	--		--		0.44	U	0.41	U	0.42	U	--		0.44	U
Nitrobenzene	µg/L	1.4	0.22	UJ	0.23	U	--		0.23	U	--		--		0.23	U	0.22	U	0.22	U	--		0.23	U
Nitroglycerin	µg/L	2.1	2.2	UJ	2.3	U	--		2.3	U	--		--		2.3	U	2.2	U	2.2	U	--		2.3	U
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	1,000	0.22	UJ	0.23	U	--		0.23	U	--		--		**0.17**	**J**	0.22	U	0.22	U	--		0.23	U
o-Nitrotoluene	µg/L	3.1	0.22	UJ	0.23	U	--		0.23	U	--		--		0.23	U	0.22	U	0.22	U	--		0.23	U
Pentaerythritol Tetranitrate (PETN)	µg/L	170	1.2	UJ	1.2	U	--		1.2	U	--		--		1.2	U	1.1	U	1.2	U	--		1.2	U
p-Nitrotoluene	µg/L	43	0.43	UJ	0.45	U	--		0.45	U	--		--		0.45	U	0.42	U	0.43	U	--		0.45	U
Trinitrophenylmethylnitramine (Tetryl)	µg/L	39	0.12	UJ	0.12	U	--		0.12	U	--		--		0.12	U	0.11	U	0.12	U	--		0.12	U
Perchlorate - SW6850																								
Perchlorate	µg/L	14	0.20	U	0.20	U	--		**0.21**		--		--		**590**		**60**		**200**		0.20	U	0.20	U
Metals, Total - SW6020B/SW7470A																								
Aluminum	µg/L	200	**1,000**	**J**	**370**	**J**	**5,600**		**3,600**		**260**		**640**		**1,900**		**480**		**110**	**J**	--		**530**	**J**
Antimony	µg/L	6	2.0	U	2.0	U	**0.80**	**J**	**1.0**	**J**	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	--		2.0	U
Arsenic	µg/L	10	**1.4**	**J**	**0.77**	**J**	**1.6**	**J**	**3.5**	**J**	**2.4**	**J**	**1.6**	**J**	**0.52**	**J**	5.0	U	**0.69**	**J**	--		**0.51**	**J**
Barium	µg/L	2,000	**14**		**11**		**83**		**70**		**36**		**26**		**28**		**9.9**		**8.6**		--		**17**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**0.62**	**J**	1.0	U	**1.2**		**1.0**		--		1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	**0.49**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	**0.33**	**J**	--		1.0	U
Calcium	µg/L	na	**84,000**	**J**	**130,000**	**J**	**94,000**		**45,000**		**17,000**		**20,000**		**120,000**		**32,000**		**14,000**		--		**9,600**	
Chromium	µg/L	50	**1.3**	**J**	**5.5**	**J**	**4.9**		**7.5**		**0.50**	**J**	**1.0**	**J**	**4.2**		**0.50**	**J**	**0.55**	**J**	--		**1.5**	**J**
Cobalt	µg/L	50	**0.50**	**J**	**0.85**	**J**	**1.8**		**3.7**		**0.59**	**J**	**0.61**	**J**	**0.52**	**J**	1.0	U	1.0	U	--		1.0	U
Copper	µg/L	1,000	**2.1**		**2.3**		**3.4**		**100**		**2.9**		**2.9**		**0.91**	**J**	2.0	U	2.0	U	--		2.0	U
Iron	µg/L	300	**690**		**710**		**4,200**		**3,200**		**180**	**J**	**290**		**1,100**		**240**		200	U	--		**350**	**J-**
Lead	µg/L	15	**0.27**	**J**	1.0	U	**3.7**		**2.6**		1.0	U	**0.26**	**J**	**0.55**	**J**	1.0	U	1.0	U	--		1.0	U
Magnesium	µg/L	na	**35,000**	**J**	**53,000**	**J**	**20,000**		**9,200**		**5,600**		**7,300**		**21,000**		**4,600**		**2,000**		--		**1,100**	**J**
Manganese	µg/L	50	**220**	**J**	**380**	**J**	**340**		**72**		**190**		**120**		**54**		**55**		**51**		--		**31**	**J+**
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	0.20	U	--		0.20	U
Nickel	µg/L	200	**1.6**	**J**	**3.7**	**J**	**4.3**		**7.1**		**2.5**	**J**	**2.3**	**J**	**3.0**		3.0	U	3.0	U	--		**0.90**	**J**
Potassium	µg/L	na	**790**	**J**	**660**	**J**	**1,600**		**1,200**		1,000	U	**360**	**J**	**580**	**J**	**1,200**		**940**	**J**	--		**750**	**J**
Selenium	µg/L	50	5.0	U	5.0	U	**3.3**	**J**	**12**		5.0	U	5.0	U	**5.4**		**1.6**	**J**	**2.8**	**J**	--		5.0	U
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	1.0	U	--		1.0	U
Sodium	µg/L	na	**1,100,000**		**1,400,000**		**590,000**		**930,000**		**1,100,000**		**920,000**		**560,000**		**770,000**		**720,000**		--		**690,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	**0.92**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	--		1.0	U
Vanadium	µg/L	86	5.0	UJ	5.0	UJ	**11**		**11**		**7.2**	**J+**	**5.3**	**J+**	**5.4**	**J+**	5.0	U	5.0	U	--		5.0	U
Zinc	µg/L	5,000	**2.6**	**J**	**6.1**	**J**	**75**		**9.9**	**J**	**2.0**	**J**	10	U	**5.7**	**J**	**4.1**	**J**	**3.2**	**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]	BGMW11102024		FDUP03-102024*		MW02102024		MW29102024		SMW01102024		TMW26102024		TMW31S102024		TMW39D102024		TMW40D102024		TMW56102024	TMW63102024	
DATE SAMPLED:			10/02/2024		10/02/2024		10/01/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024		10/02/2024	10/02/2024	
LAB SAMPLE ID:			280-197491-2 280-197491-14		280-197491-9 280-197491-21		280-197491-12 280-197419-32		280-197491-5 280-197491-17		280-197491-11 280-197491-23		280-197491-6 280-197491-18		280-197491-3 280-197491-15		280-197491-8 280-197491-20		280-197491-7 280-197491-19		280-197491-13	280-197491-4 280-197491-16	
Metals, Dissolved - SW6020B/SW7470A																							
Aluminum	µg/L	200	200	U	200	U	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	2.0	U	--	2.0	U
Arsenic	µg/L	10	**0.66**	**J**	**0.77**	**J**	5.0	U	**1.9**	**J**	**2.7**	**J**	**1.6**	**J**	**0.62**	**J**	5.0	U	**0.50**	**J**	--	**0.58**	**J**
Barium	µg/L	2,000	**8.6**		**7.7**		**28**		**31**		**28**		**18**		**12**		**8.3**		**8.7**		--	**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	1.0	U	--	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	**0.19**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	--	1.0	U
Calcium	µg/L	na	**94,000**		**110,000**		**84,000**		**39,000**		**17,000**		**19,000**		**110,000**		**28,000**		**15,000**		--	**9,200**	
Chromium	µg/L	50	3.0	U	**0.50**	**J**	3.0	U	**0.60**	**J**	3.0	U	3.0	U	**1.0**	**J**	3.0	U	3.0	U	--	3.0	U
Cobalt	µg/L	50	**0.45**	**J**	**0.60**	**J**	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	--	1.0	U
Copper	µg/L	1,000	**2.0**		**1.6**	**J**	**1.1**	**J**	**35**		**2.4**		**1.7**	**J**	2.0	U	2.0	U	2.0	U	--	2.0	U
Iron	µg/L	300	**180**	**J**	**270**	**J**	200	U	200	U	200	U	200	U	**19**	**J**	200	U	200	U	--	**12**	**J**
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	1.0	U	--	1.0	U
Magnesium	µg/L	na	**42,000**		**50,000**		**17,000**		**8,100**		**5,600**		**7,300**		**21,000**		**4,000**		**1,900**		--	**980**	**J**
Manganese	µg/L	50	**290**		**350**		**34**		**8.3**		**33**		**120**		**19**		**50**		**51**		--	**25**	**J+**
Mercury	µg/L	2	0.20	UJ	0.20	UJ	0.20	UJ	0.20	UJ	0.20	UJ	0.20	UJ	0.20	UJ	0.20	UJ	0.20	UJ	--	0.20	UJ
Nickel	µg/L	200	**1.5**	**J**	**1.5**	**J**	3.0	U	**1.5**	**J**	**2.2**	**J**	**1.9**	**J**	**0.88**	**J**	3.0	U	3.0	U	--	3.0	U
Potassium	µg/L	na	**580**	**J**	**610**	**J**	1,000	U	**500**	**J**	1,000	U	1,000	U	**390**	**J**	**1,000**		**970**	**J**	--	**720**	**J**
Selenium	µg/L	50	5.0	U	5.0	U	**3.2**	**J**	**11**		5.0	U	5.0	U	**5.3**		5.0	U	**2.2**	**J**	--	5.0	U
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	1.0	U	--	1.0	U
Sodium	µg/L	na	**1,200,000**		**1,300,000**		**590,000**		**940,000**		**1,100,000**		**910,000**		**570,000**		**730,000**		**710,000**		--	**690,000**	
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	1.0	U	--	1.0	U
Vanadium	µg/L	86	**1.8**	**J**	**1.3**	**J**	**2.1**	**J**	**4.1**	**J**	**7.4**		**3.6**	**J**	**2.3**	**J**	5.0	U	**3.1**	**J**	--	5.0	U
Zinc	µg/L	5,000	10	U	10	U	**22**	**J+**	10	U	10	U	10	U	10	U	**11**	**J+**	10	U	--	10	U
General Chemistry																							
Orthophosphate as P - EPA 365.1																							
Orthophosphate as P	µg/L	20,000	50	U	50	U	50	U	**30**	**J**	**32**	**J**	**30**	**J**	**110**		50	U	50	U	--	50	U
Anions - SW9056A																							
Bromide	µg/L	na	**1,100**	**J**	**1,600**	**J**	**260**	**J**	**560**		500	U	**1,000**		**1,300**		**580**		**870**		--	**340**	**J**
Chloride	µg/L	250,000	**400,000**		**310,000**		**43,000**		**220,000**		**690,000**		**240,000**		**190,000**		**360,000**		**150,000**		--	**110,000**	
Fluoride	µg/L	1,600	**1,500**		**1,800**		**440**	**J**	**740**	**J**	**1,500**		**2,000**		**390**	**J**	**680**	**J**	**490**	**J**	--	**600**	**J**
Nitrate as N	µg/L	10,000	500	U	500	U	**540**		**6,700**		500	U	500	U	**7,500**		**890**		**1,300**		--	500	U
Nitrite as N	µg/L	1,000	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	**120**	**J**	--	500	U
Sulfate	µg/L	250,000	**1,500,000**		**1,400,000**		**750,000**		**820,000**		**800,000**		**750,000**		**950,000**		**1,100,000**		**1,000,000**		--	**970,000**	

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:		QC02102024EB		QC02102024TB	
DATE SAMPLED:		10/02/2024		10/02/2024	
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1	
	Unit				
Volatile Organics - SW8260D					
1,1,1,2-Tetrachloroethane	µg/L	1.0	U	1.0	U
1,1,1-Trichloroethane	µg/L	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	µg/L	1.0	U	1.0	U
1,1,2-Trichloroethane	µg/L	1.0	U	1.0	U
1,1-Dichloroethane	µg/L	1.0	U	1.0	U
1,1-Dichloroethene	µg/L	1.0	U	1.0	U
1,1-Dichloropropene	µg/L	1.0	U	1.0	U
1,2,3-Trichlorobenzene	µg/L	4.0	U	4.0	U
1,2,3-Trichloropropane	µg/L	2.5	U	2.5	U
1,2,4-Trichlorobenzene	µg/L	1.0	U	1.0	U
1,2,4-Trimethylbenzene	µg/L	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	µg/L	5.0	U	5.0	U
1,2-Dibromoethane (EDB)	µg/L	1.0	U	1.0	U
1,2-Dichlorobenzene	µg/L	1.0	U	1.0	U
1,2-Dichloroethane	µg/L	1.0	U	1.0	U
1,2-Dichloropropane	µg/L	1.0	U	1.0	U
1,3,5-Trimethylbenzene	µg/L	1.0	U	1.0	U
1,3-Dichlorobenzene	µg/L	1.0	U	1.0	U
1,3-Dichloropropane	µg/L	1.0	U	1.0	U
1,4-Dichlorobenzene	µg/L	1.0	U	1.0	U
2,2-Dichloropropane	µg/L	1.0	U	1.0	U
2-Butanone (MEK)	µg/L	10	U	10	U
2-Chlorotoluene	µg/L	1.0	U	1.0	U
2-Hexanone	µg/L	5.0	U	5.0	U
4-Chlorotoluene	µg/L	1.0	U	1.0	U
4-Isopropyltoluene	µg/L	1.0	U	1.0	U
4-Methyl-2-pentanone (MIBK)	µg/L	5.0	U	5.0	U
Acetone	µg/L	15	U	15	U
Benzene	µg/L	1.0	U	1.0	U
Bromobenzene	µg/L	1.0	U	1.0	U
Bromochloromethane	µg/L	1.0	U	1.0	U
Bromodichloromethane	µg/L	**0.86**	**J**	1.0	U
Bromoform	µg/L	2.0	U	2.0	U
Bromomethane	µg/L	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 QC Samples Collected September and October 2024

SAMPLE ID:		QC02102024EB		QC02102024TB	
DATE SAMPLED:		10/02/2024		10/02/2024	
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1	
Carbon disulfide	µg/L	2.0	U	2.0	U
Carbon tetrachloride	µg/L	1.0	U	1.0	U
Chlorobenzene	µg/L	1.0	U	1.0	U
Chloroethane	µg/L	2.0	U	2.0	U
Chloroform	µg/L	**6.0**		1.0	U
Chloromethane	µg/L	2.0	U	2.0	U
cis-1,2-Dichloroethene	µg/L	1.0	U	1.0	U
cis-1,3-Dichloropropene	µg/L	1.0	U	1.0	U
Dibromochloromethane	µg/L	**0.66**	**J**	1.0	U
Dibromomethane	µg/L	1.0	U	1.0	U
Dichlorodifluoromethane	µg/L	2.0	U	2.0	U
Ethylbenzene	µg/L	1.0	U	1.0	U
Hexachlorobutadiene	µg/L	2.0	U	2.0	U
Isopropylbenzene	µg/L	1.0	U	1.0	U
Methyl acetate	µg/L	5.0	U	5.0	U
Methyl tert-butyl ether (MTBE)	µg/L	5.0	U	5.0	U
Methylene chloride	µg/L	2.0	U	2.0	U
m-Xylene & p-Xylene	µg/L	2.0	U	2.0	U
Naphthalene	µg/L	3.0	U	3.0	U
n-Butylbenzene	µg/L	1.0	U	1.0	U
n-Propylbenzene	µg/L	1.0	U	1.0	U
o-Xylene	µg/L	1.0	U	1.0	U
sec-Butylbenzene	µg/L	1.0	U	1.0	U
Styrene	µg/L	1.0	U	1.0	U
tert-Butylbenzene	µg/L	1.0	U	1.0	U
Tetrachloroethene	µg/L	1.0	U	1.0	U
Toluene	µg/L	1.0	U	1.0	U
trans-1,2-Dichloroethene	µg/L	1.0	U	1.0	U
trans-1,3-Dichloropropene	µg/L	1.0	U	1.0	U
Trichloroethene	µg/L	1.0	U	1.0	U
Trichlorofluoromethane	µg/L	2.0	U	2.0	U
Vinyl chloride	µg/L	1.0	U	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:		QC02102024EB		QC02102024TB
DATE SAMPLED:		10/02/2024		10/02/2024
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1
Semivolatile Organics - SW8270E				
2,2'-Oxybis (1-chloropropane)	µg/L	11	U	--
2,4,5-Trichlorophenol	µg/L	11	U	--
2,4,6-Trichlorophenol	µg/L	11	U	--
2,4-Dichlorophenol	µg/L	11	U	--
2,4-Dimethylphenol	µg/L	11	U	--
2,4-Dinitrophenol	µg/L	32	U	--
2,4-Dinitrotoluene	µg/L	11	U	--
2,6-Dinitrotoluene	µg/L	11	U	--
2-Chloronaphthalene	µg/L	4.3	U	--
2-Chlorophenol	µg/L	11	U	--
2-Methylnaphthalene	µg/L	4.3	U	--
2-Methylphenol	µg/L	11	U	--
2-Nitroaniline	µg/L	11	U	--
2-Nitrophenol	µg/L	11	U	--
3 & 4 Methylphenol	µg/L	11	U	--
3,3'-Dichlorobenzidine	µg/L	54	U	--
3-Nitroaniline	µg/L	11	U	--
4,6-Dinitro-2-methylphenol	µg/L	54	U	--
4-Bromophenyl phenyl ether	µg/L	11	U	--
4-Chloro-3-methylphenol	µg/L	11	U	--
4-Chloroaniline	µg/L	21	U	--
4-Chlorophenyl phenyl ether	µg/L	11	U	--
4-Nitroaniline	µg/L	11	U	--
4-Nitrophenol	µg/L	27	U	--
Acenaphthene	µg/L	4.3	U	--
Acenaphthylene	µg/L	4.3	U	--
Anthracene	µg/L	4.3	U	--
Benz(a)anthracene	µg/L	4.3	U	--
Benzaldehyde	µg/L	5.4	U	--
Benzo(a)pyrene	µg/L	4.3	U	--
Benzo(b)fluoranthene	µg/L	4.3	U	--
Benzo(g,h,i)perylene	µg/L	4.3	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:		QC02102024EB		QC02102024TB	
DATE SAMPLED:		10/02/2024		10/02/2024	
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1	
Benzo(k)fluoranthene	µg/L	4.3	U	--	
bis(2-Chloroethoxy)methane	µg/L	11	U	--	
bis(2-Chloroethyl)ether	µg/L	11	U	--	
bis(2-Ethylhexyl)phthalate	µg/L	11	U	--	
Butyl benzyl phthalate	µg/L	4.3	U	--	
Caprolactam	µg/L	16	U	--	
Carbazole	µg/L	4.3	U	--	
Chrysene	µg/L	4.3	U	--	
Dibenz(a,h)anthracene	µg/L	11	U	--	
Dibenzofuran	µg/L	4.3	U	--	
Diethyl phthalate	µg/L	4.3	U	--	
Dimethyl phthalate	µg/L	4.3	U	--	
Di-n-butyl phthalate	µg/L	4.3	U	--	
Di-n-octyl phthalate	µg/L	11	U	--	
Fluoranthene	µg/L	4.3	U	--	
Fluorene	µg/L	4.3	U	--	
Hexachlorobenzene	µg/L	11	U	--	
Hexachlorobutadiene	µg/L	11	U	--	
Hexachlorocyclopentadiene	µg/L	54	U	--	
Hexachloroethane	µg/L	11	U	--	
Indeno(1,2,3-cd)pyrene	µg/L	11	U	--	
Isophorone	µg/L	11	U	--	
Naphthalene	µg/L	4.3	U	--	
Nitrobenzene	µg/L	11	U	--	
n-Nitrosodi-n-propylamine	µg/L	11	U	--	
N-Nitrosodiphenylamine	µg/L	11	U	--	
Pentachlorophenol	µg/L	54	U	--	
Phenanthrene	µg/L	4.3	U	--	
Phenol	µg/L	11	U	--	
Pyrene	µg/L	11	U	--	
Petroleum Hydrocarbons - SW8015D					
Gasoline Range Organics (GRO) C6-C10	µg/L	25	U	25	U
Diesel Range Organics (DRO) C10-C28	µg/L	250	U	--	
Oil Range Organics (ORO) C20-C38	µg/L	500	U	--	

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

SAMPLE ID:		QC02102024EB		QC02102024TB
DATE SAMPLED:		10/02/2024		10/02/2024
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1
Organochlorine Pesticides - SW8081B				
4,4'-DDD	µg/L	0.053	U	--
4,4'-DDE	µg/L	0.053	U	--
4,4'-DDT	µg/L	0.053	U	--
Aldrin	µg/L	0.053	U	--
alpha-BHC	µg/L	0.053	U	--
alpha-Chlordane	µg/L	0.053	U	--
beta-BHC	µg/L	0.053	U	--
delta-BHC	µg/L	0.053	U	--
Dieldrin	µg/L	0.053	U	--
Endosulfan I	µg/L	0.053	U	--
Endosulfan II	µg/L	0.053	U	--
Endosulfan sulfate	µg/L	0.053	U	--
Endrin	µg/L	0.053	U	--
Endrin aldehyde	µg/L	0.053	U	--
Endrin ketone	µg/L	0.053	U	--
gamma-BHC (Lindane)	µg/L	0.053	U	--
gamma-Chlordane	µg/L	0.053	U	--
Heptachlor	µg/L	0.053	U	--
Heptachlor epoxide	µg/L	0.053	U	--
Methoxychlor	µg/L	0.11	U	--
Toxaphene	µg/L	3.2	U	--
PCBs - SW8082				
Aroclor 1016	µg/L	1.1	UJ	--
Aroclor 1221	µg/L	1.1	U	--
Aroclor 1232	µg/L	1.1	U	--
Aroclor 1242	µg/L	1.1	U	--
Aroclor 1248	µg/L	1.1	U	--
Aroclor 1254	µg/L	1.1	U	--
Aroclor 1260	µg/L	1.1	UJ	--
Aroclor 1262	µg/L	1.1	U	--
Aroclor 1268	µg/L	1.1	U	--

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

SAMPLE ID:		QC02102024EB		QC02102024TB
DATE SAMPLED:		10/02/2024		10/02/2024
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1
Explosives - SW8330B				
1,3,5-Trinitrobenzene	µg/L	0.23	U	--
1,3-Dinitrobenzene	µg/L	0.12	U	--
2,4,6-Trinitrotoluene (TNT)	µg/L	0.12	U	--
2,4-Dinitrotoluene	µg/L	0.11	U	--
2,6-Dinitrotoluene	µg/L	0.11	U	--
2-Amino-4,6-dinitrotoluene	µg/L	0.12	U	--
4-Amino-2,6-dinitrotoluene	µg/L	0.17	U	--
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	0.23	U	--
m-Nitrotoluene	µg/L	0.44	U	--
Nitrobenzene	µg/L	0.23	U	--
Nitroglycerin	µg/L	2.3	U	--
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	0.23	U	--
o-Nitrotoluene	µg/L	0.23	U	--
Pentaerythritol Tetranitrate (PETN)	µg/L	1.2	U	--
p-Nitrotoluene	µg/L	0.46	U	--
Trinitrophenylmethylnitramine (Tetryl)	µg/L	0.12	U	--
Herbicides - SW8321B				
2,4,5-T	µg/L	5.0	U	--
2,4,5-TP (Silvex)	µg/L	5.0	U	--
2,4-D	µg/L	5.0	U	--
2,4-DB	µg/L	6.0	U	--
Dicamba	µg/L	5.0	U	--
Dichloroprop	µg/L	5.0	U	--
Dinoseb	µg/L	5.0	U	--
MCPA	µg/L	5.0	U	--
MCPP	µg/L	5.0	U	--
Perchlorate - SW6850				
Perchlorate	µg/L	0.20	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:		QC02102024EB		QC02102024TB
DATE SAMPLED:		10/02/2024		10/02/2024
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1
Metals, Total - SW6020B/SW7470A				
Aluminum	µg/L	200	U	--
Antimony	µg/L	2.0	U	--
Arsenic	µg/L	5.0	U	--
Barium	µg/L	3.0	U	--
Beryllium	µg/L	1.0	U	--
Cadmium	µg/L	1.0	U	--
Calcium	µg/L	**50**	**J**	--
Chromium	µg/L	3.0	U	--
Cobalt	µg/L	1.0	U	--
Copper	µg/L	2.0	U	--
Iron	µg/L	200	U	--
Lead	µg/L	1.0	U	--
Magnesium	µg/L	**10**	**J**	--
Manganese	µg/L	3.0	U	--
Mercury	µg/L	0.20	U	--
Nickel	µg/L	3.0	U	--
Potassium	µg/L	**61**	**J**	--
Selenium	µg/L	5.0	U	--
Silver	µg/L	1.0	U	--
Sodium	µg/L	**770**	**J**	--
Thallium	µg/L	1.0	U	--
Vanadium	µg/L	5.0	U	--
Zinc	µg/L	10	U	--
Metals, Dissolved - SW6020B/SW7470A				
Aluminum	µg/L	**86**	**J**	--
Antimony	µg/L	2.0	U	--
Arsenic	µg/L	5.0	U	--
Barium	µg/L	3.0	U	--
Beryllium	µg/L	1.0	U	--
Cadmium	µg/L	1.0	U	--
Calcium	µg/L	**60**	**J**	--
Chromium	µg/L	3.0	U	--
Cobalt	µg/L	1.0	U	--
Copper	µg/L	2.0	U	--
Iron	µg/L	200	U	--
Lead	µg/L	1.0	U	--
Magnesium	µg/L	**8.6**	**J**	--
Manganese	µg/L	3.0	U	--
Mercury	µg/L	0.20	UJ	--
Nickel	µg/L	3.0	U	--
Potassium	µg/L	**59**	**J**	--
Selenium	µg/L	5.0	U	--
Silver	µg/L	1.0	U	--
Sodium	µg/L	**610**	**J**	--
Thallium	µg/L	1.0	U	--
Vanadium	µg/L	5.0	U	--
Zinc	µg/L	**5.9**	**J**	--

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:		QC02102024EB		QC02102024TB
DATE SAMPLED:		10/02/2024		10/02/2024
LAB SAMPLE ID:		280-197491-10 280-197491-22		280-197491-1
General Chemistry				
Orthophosphate as P - EPA 365.1				
Orthophosphate as P	µg/L	50	U	--
Anions - SW9056A				
Bromide	µg/L	500	U	--
Chloride	µg/L	**1,300**	**J**	--
Fluoride	µg/L	1,000	U	--
Nitrate as N	µg/L	500	U	--
Nitrite as N	µg/L	500	U	--
Sulfate	µg/L	5,000	U	--

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#: 280-197491 **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	N	See DVR
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	N	See DVR
VII.	Interference check standard	Y	
VIII.	Matrix spike/Matrix spike duplicate	N	See DVR
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	N	See DVR
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#: 280-197491 **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	Y	
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	N	See DVR
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	Y	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197491 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8081

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

VALIDATION CHECKLIST

SDG#: 280-197491 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8082

	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	Y	
VII.	Surrogates	Y	
VIII.	Field Blanks	Y	
IX.	Matrix spike/Matrix spike duplicate	NA	
X.	Laboratory control samples	Y	
XI.	Lab duplicates	NA	
XII.	Internal standards	Y	
XIII.	Column Confirmation	Y	
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197491 **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	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	Y	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	Y	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197491 **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	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	Y	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197491 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8321

	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	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#: 280-197491 **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.	Field Blanks	Y	
IX.	Matrix spike/Matrix spike duplicate	Y	
X.	Laboratory control samples	Y	
XI.	Lab duplicates	Y	
XII.	External standards	Y	
XIII.	Column Confirmation	N	See DVR
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197491 **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	Y	
VI.	Laboratory Blanks- MB, ICB/CCB	Y	
VI.	Field blanks	Y	
VII.	Matrix spike/Matrix spike duplicate	Y	
VIII.	Laboratory control samples	Y	
IX.	Lab duplicates	N	See DVR
X.	Field duplicates/Field triplicates	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#: 280-197491 **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	Y	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	Y	
XI.	Internal standards	Y	
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: **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Lab Reporting Batch: 280-197491-1						
Method: 365.1						
TMW26102024	280-197491-18	Water	Field_Sample	Gen Prep	10/2/2024 10:30:00 AM	S2AVE
TMW63102024MS	280-197491-16MS	Water	Matrix_Spike	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
MW29102024	280-197491-17	Water	Field_Sample	Gen Prep	10/2/2024 9:40:00 AM	S2AVE
TMW40D102024	280-197491-19	Water	Field_Sample	Gen Prep	10/2/2024 1:55:00 PM	S2AVE
TMW39D102024MS	280-197491-20MS	Water	Matrix_Spike	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
SMW01102024	280-197491-23	Water	Field_Sample	Gen Prep	10/2/2024 8:50:00 AM	S2AVE
QC02102024EB	280-197491-22	Water	Equipment_Blank	Gen Prep	10/2/2024 2:00:00 PM	S2AVE
TMW63102024MSD	280-197491-16MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
TMW39D102024	280-197491-20	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
FDUP03-102024	280-197491-21	Water	Field_Duplicate	Gen Prep	10/2/2024 12:10:00 PM	S2AVE
TMW31S102024	280-197491-15	Water	Field_Sample	Gen Prep	10/2/2024 8:05:00 AM	S2AVE
TMW39D102024MSD	280-197491-20MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
TMW63102024	280-197491-16	Water	Field_Sample	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-14	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
Method: 6020B						
TMW31S102024	280-197491-3	Water	Field_Sample	3020A	10/2/2024 8:05:00 AM	S2AVE
FDUP03-102024	280-197491-9	Water	Field_Duplicate	3005A	10/2/2024 12:10:00 PM	S2AVE
TMW39D102024	280-197491-8	Water	Field_Sample	3020A	10/2/2024 12:00:00 PM	S2AVE
TMW26102024	280-197491-6	Water	Field_Sample	3020A	10/2/2024 10:30:00 AM	S2AVE
TMW26102024	280-197491-6	Water	Field_Sample	3005A	10/2/2024 10:30:00 AM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	3005A	10/2/2024 12:00:00 PM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	3020A	10/2/2024 12:45:00 PM	S2AVE
MW02102024	280-197491-12	Water	Field_Sample	3020A	10/1/2024 9:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 6020B						
FDUP03-102024	280-197491-9	Water	Field_Duplicate	3020A	10/2/2024 12:10:00 PM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	3020A	10/2/2024 12:45:00 PM	S2AVE
TMW31S102024	280-197491-3	Water	Field_Sample	3005A	10/2/2024 8:05:00 AM	S2AVE
SMW01102024	280-197491-11	Water	Field_Sample	3020A	10/2/2024 8:50:00 AM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	3020A	10/2/2024 2:00:00 PM	S2AVE
TMW40D102024	280-197491-7	Water	Field_Sample	3020A	10/2/2024 1:55:00 PM	S2AVE
TMW40D102024	280-197491-7	Water	Field_Sample	3005A	10/2/2024 1:55:00 PM	S2AVE
SMW01102024	280-197491-11	Water	Field_Sample	3005A	10/2/2024 8:50:00 AM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	3020A	10/2/2024 9:40:00 AM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	3005A	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	3020A	10/2/2024 12:00:00 PM	S2AVE
TMW39D102024	280-197491-8	Water	Field_Sample	3005A	10/2/2024 12:00:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	3020A	10/2/2024 12:45:00 PM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	3005A	10/2/2024 9:40:00 AM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	3005A	10/2/2024 2:00:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	3005A	10/2/2024 12:45:00 PM	S2AVE
MW02102024	280-197491-12	Water	Field_Sample	3005A	10/1/2024 9:45:00 AM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	3005A	10/2/2024 12:45:00 PM	S2AVE
Method: 6850						
QC02102024EB	280-197491-10	Water	Equipment_Blank	Gen Prep	10/2/2024 2:00:00 PM	S2AVE
TMW56102024	280-197491-13	Water	Field_Sample	Gen Prep	10/2/2024 8:45:00 AM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	Gen Prep	10/2/2024 9:40:00 AM	S2AVE
TMW31S102024	280-197491-3	Water	Field_Sample	Gen Prep	10/2/2024 8:05:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 6850						
FDUP03-102024	280-197491-9	Water	Field_Duplicate	Gen Prep	10/2/2024 12:10:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
TMW39D102024	280-197491-8	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
TMW40D102024	280-197491-7	Water	Field_Sample	Gen Prep	10/2/2024 1:55:00 PM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
Method: 7470A						
SMW01102024	280-197491-11	Water	Field_Sample	7470A	10/2/2024 8:50:00 AM	S2AVE
TMW39D102024	280-197491-8	Water	Field_Sample	7470A	10/2/2024 12:00:00 PM	S2AVE
FDUP03-102024	280-197491-9	Water	Field_Duplicate	7470A	10/2/2024 12:10:00 PM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	7470A	10/2/2024 12:00:00 PM	S2AVE
TMW31S102024	280-197491-3	Water	Field_Sample	7470A	10/2/2024 8:05:00 AM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	7470A	10/2/2024 9:40:00 AM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	7470A	10/2/2024 12:45:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	7470A	10/2/2024 12:45:00 PM	S2AVE
MW02102024	280-197491-12	Water	Field_Sample	7470A	10/1/2024 9:45:00 AM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	7470A	10/2/2024 2:00:00 PM	S2AVE
TMW26102024	280-197491-6	Water	Field_Sample	7470A	10/2/2024 10:30:00 AM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	7470A	10/2/2024 12:45:00 PM	S2AVE
TMW40D102024	280-197491-7	Water	Field_Sample	7470A	10/2/2024 1:55:00 PM	S2AVE
Method: 8015D-DRO						
MW02102024	280-197491-12	Water	Field_Sample	3510C	10/1/2024 9:45:00 AM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	3510C	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	3510C	10/2/2024 12:00:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 8015D-DRO						
FDUP03-102024	280-197491-9	Water	Field_Duplicate	3510C	10/2/2024 12:10:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	3510C	10/2/2024 12:45:00 PM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	3510C	10/2/2024 12:45:00 PM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	3510C	10/2/2024 9:40:00 AM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	3510C	10/2/2024 2:00:00 PM	S2AVE
Method: 8015D-GRO						
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	Gen Prep	10/2/2024 9:40:00 AM	S2AVE
MW02102024	280-197491-12	Water	Field_Sample	Gen Prep	10/1/2024 9:45:00 AM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	Gen Prep	10/2/2024 2:00:00 PM	S2AVE
QC02102024TB	280-197491-1	Water	Field_Sample	Gen Prep	10/2/2024 8:00:00 AM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
FDUP03-102024	280-197491-9	Water	Field_Duplicate	Gen Prep	10/2/2024 12:10:00 PM	S2AVE
Method: 8081B						
QC02102024EB	280-197491-10	Water	Equipment_Blank	3510C	10/2/2024 2:00:00 PM	S2AVE
Method: 8082A						
QC02102024EB	280-197491-10	Water	Equipment_Blank	3510C	10/2/2024 2:00:00 PM	S2AVE
Method: 8260D						
TMW63102024	280-197491-4	Water	Field_Sample	5030B	10/2/2024 12:45:00 PM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	5030B	10/2/2024 2:00:00 PM	S2AVE
TMW40D102024	280-197491-7	Water	Field_Sample	5030B	10/2/2024 1:55:00 PM	S2AVE
MW02102024	280-197491-12	Water	Field_Sample	5030B	10/1/2024 9:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 8260D						
TMW26102024	280-197491-6	Water	Field_Sample	5030B	10/2/2024 10:30:00 AM	S2AVE
TMW39D102024	280-197491-8	Water	Field_Sample	5030B	10/2/2024 12:00:00 PM	S2AVE
SMW01102024	280-197491-11	Water	Field_Sample	5030B	10/2/2024 8:50:00 AM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	5030B	10/2/2024 9:40:00 AM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	5030B	10/2/2024 12:00:00 PM	S2AVE
FDUP03-102024	280-197491-9	Water	Field_Duplicate	5030B	10/2/2024 12:10:00 PM	S2AVE
QC02102024TB	280-197491-1	Water	Field_Sample	5030B	10/2/2024 8:00:00 AM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	5030B	10/2/2024 12:45:00 PM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	5030B	10/2/2024 12:45:00 PM	S2AVE
TMW31S102024	280-197491-3	Water	Field_Sample	5030B	10/2/2024 8:05:00 AM	S2AVE
Method: 8270E						
MW29102024	280-197491-5	Water	Field_Sample	3510C	10/2/2024 9:40:00 AM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	3510C	10/2/2024 2:00:00 PM	S2AVE
MW02102024	280-197491-12	Water	Field_Sample	3510C	10/1/2024 9:45:00 AM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	3510C	10/2/2024 12:45:00 PM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	3510C	10/2/2024 12:45:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	3510C	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	3510C	10/2/2024 12:00:00 PM	S2AVE
FDUP03-102024	280-197491-9	Water	Field_Duplicate	3510C	10/2/2024 12:10:00 PM	S2AVE
Method: 8321B						
QC02102024EBMSD	280-197491-10MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/2/2024 2:00:00 PM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	Gen Prep	10/2/2024 2:00:00 PM	S2AVE
QC02102024EBMS	280-197491-10MS	Water	Matrix_Spike	Gen Prep	10/2/2024 2:00:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TAL DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 8330B						
FDUP03-102024	280-197491-9	Water	Field_Duplicate	3535	10/2/2024 12:10:00 PM	S2AVE
TMW63102024	280-197491-4	Water	Field_Sample	3535	10/2/2024 12:45:00 PM	S2AVE
TMW31S102024	280-197491-3	Water	Field_Sample	3535	10/2/2024 8:05:00 AM	S2AVE
BGMW11102024	280-197491-2	Water	Field_Sample	3535	10/2/2024 12:00:00 PM	S2AVE
TMW63102024MS	280-197491-4MS	Water	Matrix_Spike	3535	10/2/2024 12:45:00 PM	S2AVE
TMW63102024MSD	280-197491-4MSD	Water	Matrix_Spike_Duplicate	3535	10/2/2024 12:45:00 PM	S2AVE
QC02102024EB	280-197491-10	Water	Equipment_Blank	3535	10/2/2024 2:00:00 PM	S2AVE
TMW39D102024	280-197491-8	Water	Field_Sample	3535	10/2/2024 12:00:00 PM	S2AVE
MW29102024	280-197491-5	Water	Field_Sample	3535	10/2/2024 9:40:00 AM	S2AVE
TMW40D102024	280-197491-7	Water	Field_Sample	3535	10/2/2024 1:55:00 PM	S2AVE
Method: 9056A						
SMW01102024	280-197491-23	Water	Field_Sample	Gen Prep	10/2/2024 8:50:00 AM	S2AVE
TMW26102024	280-197491-18	Water	Field_Sample	Gen Prep	10/2/2024 10:30:00 AM	S2AVE
TMW63102024MSD	280-197491-16MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
TMW63102024MS	280-197491-16MS	Water	Matrix_Spike	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
FDUP03-102024	280-197491-21	Water	Field_Duplicate	Gen Prep	10/2/2024 12:10:00 PM	S2AVE
TMW31S102024	280-197491-15	Water	Field_Sample	Gen Prep	10/2/2024 8:05:00 AM	S2AVE
TMW39D102024	280-197491-20	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE
TMW63102024DUP	280-197491-16DUP	Water	Duplicate	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
QC02102024EB	280-197491-22	Water	Equipment_Blank	Gen Prep	10/2/2024 2:00:00 PM	S2AVE
MW29102024	280-197491-17	Water	Field_Sample	Gen Prep	10/2/2024 9:40:00 AM	S2AVE
TMW40D102024	280-197491-19	Water	Field_Sample	Gen Prep	10/2/2024 1:55:00 PM	S2AVE
TMW63102024	280-197491-16	Water	Field_Sample	Gen Prep	10/2/2024 12:45:00 PM	S2AVE
BGMW11102024	280-197491-14	Water	Field_Sample	Gen Prep	10/2/2024 12:00:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **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: 280-197491-1

Laboratory: TAL DEN

EDD Filename: 280-197491-1_52_2a_ParsonsFtWingate_rev

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	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

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: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename: 280-197491-1_52_2a_ParsonsFtWingate_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

No Data Review Qualifiers Applie

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename: **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

280-197491-1_52_2a_ParsonsFtWingate_rev

Method: 7470A **Preparation Method: 7470A**

Matrix: Water

Sample ID	Type	Actual	Criteria	Units	Flag
BGMW11102024 (Initial/DIS)	Sampling To Analysis	36.00	28.00	DAYS	J- (all detects)
FDUP03-102024 (Initial/DIS)		36.00	28.00	DAYS	UJ (all non-detects)
MW02102024 (Initial/DIS)		37.00	28.00	DAYS	
MW29102024 (Initial/DIS)		36.00	28.00	DAYS	
QC02102024EB (Initial/DIS)		36.00	28.00	DAYS	
SMW01102024 (Initial/DIS)		36.00	28.00	DAYS	
TMW26102024 (Initial/DIS)		36.00	28.00	DAYS	
TMW31S102024 (Initial/DIS)		36.00	28.00	DAYS	
TMW39D102024 (Initial/DIS)		36.00	28.00	DAYS	
TMW40D102024 (Initial/DIS)		36.00	28.00	DAYS	
TMW63102024 (Initial/DIS)		36.00	28.00	DAYS	
TMW63102024MS (Initial/DIS)		36.00	28.00	DAYS	
TMW63102024MSD (Initial/DIS)		36.00	28.00	DAYS	

Trip Blank Outlier Report

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename: 280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: **6020B**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
QC02102024EB(Initial/DIS)	10/2/2024 2:00:00 PM	ALUMINUM CALCIUM MAGNESIUM POTASSIUM SODIUM ZINC	86 ug/L 60 ug/L 8.6 ug/L 59 ug/L 610 ug/L 5.9 ug/L	BGMW11102024 FDUP03-102024 MW02102024 MW29102024 SMW01102024 TMW26102024 TMW31S102024 TMW39D102024 TMW40D102024 TMW56102024 TMW63102024
QC02102024EB(Initial/TOT)	10/2/2024 2:00:00 PM	CALCIUM MAGNESIUM POTASSIUM SODIUM	50 ug/L 10 ug/L 61 ug/L 770 ug/L	BGMW11102024 FDUP03-102024 MW02102024 MW29102024 SMW01102024 TMW26102024 TMW31S102024 TMW39D102024 TMW40D102024 TMW56102024 TMW63102024

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
BGMW11102024(Initial/DIS)	ZINC	5.3 ug/L	10U ug/L
FDUP03-102024(Initial/DIS)	ALUMINUM	26 ug/L	200U ug/L
FDUP03-102024(Initial/DIS)	ZINC	3.3 ug/L	10U ug/L
MW02102024(Initial/DIS)	ZINC	22 ug/L	22U ug/L
SMW01102024(Initial/DIS)	ALUMINUM	13 ug/L	200U ug/L
SMW01102024(Initial/DIS)	POTASSIUM	180 ug/L	1000U ug/L
SMW01102024(Initial/TOT)	POTASSIUM	200 ug/L	1000U ug/L
TMW26102024(Initial/DIS)	POTASSIUM	290 ug/L	1000U ug/L
TMW31S102024(Initial/DIS)	ZINC	3.2 ug/L	10U ug/L
TMW39D102024(Initial/DIS)	ZINC	11 ug/L	11U ug/L
TMW40D102024(Initial/DIS)	ALUMINUM	22 ug/L	200U ug/L
TMW40D102024(Initial/DIS)	ZINC	2.4 ug/L	10U ug/L

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 6020B

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-669978/1-A	10/10/2024 9:35:05 AM	IRON	15.1 ug/L	MW02102024 SMW01102024
MB 280-670308/1-A	10/10/2024 5:10:12 PM	MANGANESE VANADIUM	0.744 ug/L 1.55 ug/L	BGMW11102024 FDUP03-102024 MW02102024 MW29102024 QC02102024EB SMW01102024 TMW26102024 TMW31S102024 TMW39D102024 TMW40D102024 TMW63102024
MB 280-670669/1-A	10/14/2024 6:18:00 PM	IRON	34.5 ug/L	BGMW11102024 FDUP03-102024 MW02102024 MW29102024 QC02102024EB SMW01102024 TMW26102024 TMW31S102024 TMW39D102024 TMW40D102024 TMW63102024

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
BGMW11102024(Initial/TOT)	VANADIUM	4.3 ug/L	5.0U ug/L
FDUP03-102024(Initial/TOT)	VANADIUM	1.8 ug/L	5.0U ug/L
SMW01102024(Initial/DIS)	IRON	11 ug/L	200U ug/L
SMW01102024(Initial/TOT)	VANADIUM	7.2 ug/L	7.2U ug/L
TMW26102024(Initial/TOT)	VANADIUM	5.3 ug/L	5.3U ug/L
TMW31S102024(Initial/TOT)	VANADIUM	5.4 ug/L	5.4U ug/L
TMW39D102024(Initial/TOT)	VANADIUM	2.2 ug/L	5.0U ug/L
TMW40D102024(Initial/TOT)	IRON	28 ug/L	200U ug/L
TMW40D102024(Initial/TOT)	VANADIUM	4.1 ug/L	5.0U ug/L
TMW63102024(Initial/TOT)	VANADIUM	2.0 ug/L	5.0U ug/L

Method: 9056A

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-670904/39	10/14/2024 10:29:00 PM	CHLORIDE	1130 ug/L	BGMW11102024 FDUP03-102024 QC02102024EB SMW01102024 TMW26102024 TMW39D102024 TMW40D102024 TMW63102024

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: **9056A**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-670904/6	10/14/2024 1:04:00 PM	CHLORIDE	1160 ug/L	BGMW11102024 FDUP03-102024 QC02102024EB SMW01102024 TMW26102024 TMW39D102024 TMW40D102024 TMW63102024
MB 280-670904/80	10/15/2024 6:11:00 AM	CHLORIDE	1150 ug/L	BGMW11102024 FDUP03-102024 QC02102024EB SMW01102024 TMW26102024 TMW39D102024 TMW40D102024 TMW63102024

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
QC02102024EB(Initial/TOT)	CHLORIDE	1300 ug/L	1300U ug/L

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename: 280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Surrogate Outlier Report

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev

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*
BGMW11102024 (Initial/TOT)	1,2-Dinitrobenzene [1,2-DNB]	82	83.00-119.00	All Target Analytes	J- (all detects) UJ (all non-detects)
TMW63102024 (Initial/TOT)	1,2-Dinitrobenzene [1,2-DNB]	77	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: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename: 280-197491-1_52_2a_ParsonsFtWingate_rev **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
TMW63102024MS (Dissolved) TMW63102024MS (Total) TMW63102024MSD (Dissolved) TMW63102024MSD (Total) (TMW63102024)	ALUMINUM MAGNESIUM SODIUM	- - 45	156 182 607	84.00-117.00 83.00-118.00 85.00-117.00	26 (20.00) 33 (20.00) -	ALUMINUM MAGNESIUM SODIUM	J (all detects) UJ (all non-detects)
TMW63102024MS (Total) TMW63102024MSD (Dissolved) TMW63102024MSD (Total) (TMW63102024)	CALCIUM IRON	- 85	80 85	87.00-118.00 87.00-118.00	- -	CALCIUM IRON	J-(all detects) UJ(all non-detects)
TMW63102024MSD (Total) (TMW63102024)	MANGANESE POTASSIUM	- -	120 132	87.00-115.00 87.00-115.00	- -	MANGANESE POTASSIUM	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: 6850

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW63102024MSD (TMW63102024)	PERCHLORATE	-	122	84.00-119.00	17 (15.00)	PERCHLORATE	J(all detects)

Method: 8270E

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW63102024MSD (TMW63102024)	HEXACHLOROBUTADIENE HEXACHLOROETHANE	- - -	- - -	22.00-124.00 10.00-120.00 21.00-115.00	36 (20.00) 42 (20.00) 35 (20.00)	HEXACHLOROBUTADIENE HEXACHLOROETHANE	J(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename: 280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Field Duplicate Outlier Report

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename: **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

280-197491-1_52_2a_ParsonsFtWingate_rev_rev

Method: 6020B

Matrix: Water

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	BGMW11102024 (Dissolved)	FDUP03-102024 (Dissolved)			
IRON	180	270	40	30.00	J (all detects) UJ (all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	BGMW11102024 (Total)	FDUP03-102024 (Total)			
ALUMINUM	1000	370	92	30.00	
ARSENIC	1.4	0.77	58	30.00	
CALCIUM	84000	130000	43	30.00	
CHROMIUM	1.3	5.5	124	30.00	
COBALT	0.50	0.85	52	30.00	J(all detects)
MAGNESIUM	35000	53000	41	30.00	UJ(all non-detects)
MANGANESE	220	380	53	30.00	
NICKEL	1.6	3.7	79	30.00	
VANADIUM	4.3	1.8	82	30.00	
ZINC	2.6	6.1	80	30.00	

Method: 9056A

Matrix: Water

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	BGMW11102024	FDUP03-102024			
BROMIDE	1100	1600	37	30.00	J(all detects) U(all non-detects)

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

Field QC Assignments and Associated Samples

EDD File Name: 280-197491-1
eQapp Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

	Associated Samples	Sample Collection Date
Field QC FDUP03-102024 **QC Type:** Field_Duplicate		
	BGMW11102024	10/2/2024 12:00:00 PM
	BGMW11102024	10/2/2024 12:00:00 PM
Field QC QC02102024EB **QC Type:** Equipment_Blank		
	TMW63102024	10/2/2024 12:45:00 PM
	FDUP03-102024	10/2/2024 12:10:00 PM
	MW02102024	10/1/2024 9:45:00 AM
	TMW40D102024	10/2/2024 1:55:00 PM
	SMW01102024	10/2/2024 8:50:00 AM
	TMW39D102024	10/2/2024 12:00:00 PM
	BGMW11102024	10/2/2024 12:00:00 PM
	MW29102024	10/2/2024 9:40:00 AM
	TMW31S102024	10/2/2024 8:05:00 AM
	TMW26102024	10/2/2024 10:30:00 AM
	TMW56102024	10/2/2024 8:45:00 AM
	TMW63102024	10/2/2024 12:45:00 PM
	FDUP03-102024	10/2/2024 12:10:00 PM
	MW02102024	10/1/2024 9:45:00 AM
	TMW40D102024	10/2/2024 1:55:00 PM
	SMW01102024	10/2/2024 8:50:00 AM
	TMW39D102024	10/2/2024 12:00:00 PM
	BGMW11102024	10/2/2024 12:00:00 PM
	MW29102024	10/2/2024 9:40:00 AM
	TMW31S102024	10/2/2024 8:05:00 AM
	TMW26102024	10/2/2024 10:30:00 AM
	TMW56102024	10/2/2024 8:45:00 AM
Field QC QC02102024TB **QC Type:** Trip_Blank		
	TMW63102024	10/2/2024 12:45:00 PM
	FDUP03-102024	10/2/2024 12:10:00 PM
	MW02102024	10/1/2024 9:45:00 AM

Associated Samples	Sample Collection Date
TMW40D102024	10/2/2024 1:55:00 PM
SMW01102024	10/2/2024 8:50:00 AM
TMW39D102024	10/2/2024 12:00:00 PM
BGMW11102024	10/2/2024 12:00:00 PM
MW29102024	10/2/2024 9:40:00 AM
TMW31S102024	10/2/2024 8:05:00 AM
TMW26102024	10/2/2024 10:30:00 AM
TMW56102024	10/2/2024 8:45:00 AM

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: 365.1

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW29102024	Orthophosphate as P	J	30	50	LOQ	ug/L	J (all detects)
SMW01102024	Orthophosphate as P	J	32	50	LOQ	ug/L	J (all detects)
TMW26102024	Orthophosphate as P	J	30	50	LOQ	ug/L	J (all detects)

Method: 6020B

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
BGMW11102024	ARSENIC	J	1.4	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.3	3.0	LOQ	ug/L	
	COBALT	J	0.50	1.0	LOQ	ug/L	
	IRON	J	180	200	LOQ	ug/L	
	LEAD	J	0.27	1.0	LOQ	ug/L	
	NICKEL	J	1.6	3.0	LOQ	ug/L	
	POTASSIUM	J	790	1000	LOQ	ug/L	
	VANADIUM	J	4.3	5.0	LOQ	ug/L	
	ZINC	J	5.3	10	LOQ	ug/L	
FDUP03-102024	ALUMINUM	J	26	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.77	5.0	LOQ	ug/L	
	CHROMIUM	J	0.50	3.0	LOQ	ug/L	
	COBALT	J	0.60	1.0	LOQ	ug/L	
	COPPER	J	1.6	2.0	LOQ	ug/L	
	NICKEL	J	1.5	3.0	LOQ	ug/L	
	POTASSIUM	J	610	1000	LOQ	ug/L	
	VANADIUM	J	1.3	5.0	LOQ	ug/L	
	ZINC	J	3.3	10	LOQ	ug/L	
MW02102024	ANTIMONY	J	0.80	2.0	LOQ	ug/L	J (all detects)
	ARSENIC	J	1.6	5.0	LOQ	ug/L	
	COPPER	J	1.1	2.0	LOQ	ug/L	
	POTASSIUM	J	380	1000	LOQ	ug/L	
	SELENIUM	J	3.3	5.0	LOQ	ug/L	
	VANADIUM	J	2.1	5.0	LOQ	ug/L	
MW29102024	ANTIMONY	J	1.0	2.0	LOQ	ug/L	J (all detects)
	ARSENIC	J	3.5	5.0	LOQ	ug/L	
	CADMIUM	J	0.49	1.0	LOQ	ug/L	
	CHROMIUM	J	0.60	3.0	LOQ	ug/L	
	NICKEL	J	1.5	3.0	LOQ	ug/L	
	POTASSIUM	J	500	1000	LOQ	ug/L	
	SILVER	J	0.14	1.0	LOQ	ug/L	
	THALLIUM	J	0.92	1.0	LOQ	ug/L	
	VANADIUM	J	4.1	5.0	LOQ	ug/L	
	ZINC	J	9.9	10	LOQ	ug/L	
QC02102024EB	ALUMINUM	J	86	200	LOQ	ug/L	J (all detects)
	CALCIUM	J	50	200	LOQ	ug/L	
	MAGNESIUM	J	10	200	LOQ	ug/L	
	POTASSIUM	J	61	1000	LOQ	ug/L	
	SODIUM	J	770	1000	LOQ	ug/L	
	ZINC	J	5.9	10	LOQ	ug/L	

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

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: **6020B**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
SMW01102024	ALUMINUM	J	13	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	2.7	5.0	LOQ	ug/L	
	CHROMIUM	J	0.50	3.0	LOQ	ug/L	
	COBALT	J	0.59	1.0	LOQ	ug/L	
	IRON	J	11	200	LOQ	ug/L	
	NICKEL	J	2.2	3.0	LOQ	ug/L	
	POTASSIUM	J	180	1000	LOQ	ug/L	
	SILVER	J	0.079	1.0	LOQ	ug/L	
	ZINC	J	2.0	10	LOQ	ug/L	
TMW26102024	ARSENIC	J	1.6	5.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.62	1.0	LOQ	ug/L	
	CHROMIUM	J	1.0	3.0	LOQ	ug/L	
	COBALT	J	0.61	1.0	LOQ	ug/L	
	COPPER	J	1.7	2.0	LOQ	ug/L	
	LEAD	J	0.26	1.0	LOQ	ug/L	
	NICKEL	J	1.9	3.0	LOQ	ug/L	
	POTASSIUM	J	290	1000	LOQ	ug/L	
	VANADIUM	J	3.6	5.0	LOQ	ug/L	
TMW31S102024	ARSENIC	J	0.62	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.0	3.0	LOQ	ug/L	
	COBALT	J	0.52	1.0	LOQ	ug/L	
	COPPER	J	0.91	2.0	LOQ	ug/L	
	IRON	J	19	200	LOQ	ug/L	
	LEAD	J	0.55	1.0	LOQ	ug/L	
	NICKEL	J	0.88	3.0	LOQ	ug/L	
	POTASSIUM	J	390	1000	LOQ	ug/L	
	VANADIUM	J	2.3	5.0	LOQ	ug/L	
	ZINC	J	3.2	10	LOQ	ug/L	
TMW39D102024	CHROMIUM	J	0.50	3.0	LOQ	ug/L	J (all detects)
	SELENIUM	J	1.6	5.0	LOQ	ug/L	
	VANADIUM	J	2.2	5.0	LOQ	ug/L	
	ZINC	J	4.1	10	LOQ	ug/L	
TMW40D102024	ALUMINUM	J	22	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.50	5.0	LOQ	ug/L	
	CADMIUM	J	0.33	1.0	LOQ	ug/L	
	CHROMIUM	J	0.55	3.0	LOQ	ug/L	
	IRON	J	28	200	LOQ	ug/L	
	POTASSIUM	J	970	1000	LOQ	ug/L	
	SELENIUM	J	2.2	5.0	LOQ	ug/L	
	SILVER	J	0.050	1.0	LOQ	ug/L	
	VANADIUM	J	3.1	5.0	LOQ	ug/L	
	ZINC	J	2.4	10	LOQ	ug/L	
TMW63102024	ARSENIC	J	0.51	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	3.0	LOQ	ug/L	
	IRON	J	12	200	LOQ	ug/L	
	NICKEL	J	0.90	3.0	LOQ	ug/L	
	POTASSIUM	J J1	750	1000	LOQ	ug/L	
	VANADIUM	J	2.0	5.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: 8015D-DRO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW02102024	Diesel Range Organics (DRO) C10-C28 Oil Range Organics (ORO) C20-C38	J J	65 140	270 540	LOQ LOQ	ug/L ug/L	J (all detects)
MW29102024	Oil Range Organics (ORO) C20-C38	J	300	2500	LOQ	ug/L	J (all detects)

Method: 8260D

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
BGMW11102024	CHLOROMETHANE	J	0.45	2.0	LOQ	ug/L	J (all detects)
QC02102024EB	BROMODICHLOROMETHANE DIBROMOCHLOROMETHANE	J J	0.86 0.66	1.0 1.0	LOQ LOQ	ug/L ug/L	J (all detects)

Method: 8330B

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW31S102024	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	J J1 M	0.17	0.23	LOQ	ug/L	J (all detects)

Method: 9056A

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW29102024	FLUORIDE	J	740	1000	LOQ	ug/L	J (all detects)
QC02102024EB	CHLORIDE	J	1300	3000	LOQ	ug/L	J (all detects)
TMW31S102024	FLUORIDE	J	390	1000	LOQ	ug/L	J (all detects)
TMW39D102024	FLUORIDE	J	680	1000	LOQ	ug/L	J (all detects)
TMW40D102024	FLUORIDE Nitrite as N	J J	490 120	1000 500	LOQ LOQ	ug/L ug/L	J (all detects)
TMW63102024	BROMIDE FLUORIDE	J J	340 600	500 1000	LOQ LOQ	ug/L ug/L	J (all detects)

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: GENCHEM

Sample ID: MW29102024 **Collected:** 10/2/2024 9:40:00 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	30	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: SMW01102024 **Collected:** 10/2/2024 8:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Orthophosphate as P	32	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: TMW26102024 **Collected:** 10/2/2024 10:30:00 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	30	J	40	LOD	50	LOQ	ug/L	J	TR

Method Category: GENCHEM

Sample ID: BGMW11102024 **Collected:** 10/2/2024 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMIDE	1100		500	LOD	500	LOQ	ug/L	J	DU1

Sample ID: FDUP03-102024 **Collected:** 10/2/2024 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMIDE	1600		500	LOD	500	LOQ	ug/L	J	DU1

Sample ID: MW29102024 **Collected:** 10/2/2024 9:40:00 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	740	J	500	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: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: GENCHEM

Sample ID: QC02102024EB **Collected:** 10/2/2024 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLORIDE	1300	J	2500	LOD	3000	LOQ	ug/L	J	TR

Sample ID: TMW31S102024 **Collected:** 10/2/2024 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
FLUORIDE	390	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: TMW39D102024 **Collected:** 10/2/2024 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	680	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: TMW40D102024 **Collected:** 10/2/2024 1:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	490	J	500	LOD	1000	LOQ	ug/L	J	TR
Nitrite as N	120	J	100	LOD	500	LOQ	ug/L	J	TR

Sample ID: TMW63102024 **Collected:** 10/2/2024 12:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMIDE	340	J	500	LOD	500	LOQ	ug/L	J	TR
FLUORIDE	600	J	500	LOD	1000	LOQ	ug/L	J	TR

Method Category: METALS

Sample ID: BGMW11102024 **Collected:** 10/2/2024 12:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.66	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.45	J	0.90	LOD	1.0	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: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: METALS

Sample ID: BGMW11102024 **Collected:** 10/2/2024 12:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	180	J	40	LOD	200	LOQ	ug/L	J	TR, DU1
NICKEL	1.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	580	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	1.8	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	5.3	J	8.0	LOD	10	LOQ	ug/L	U	BLL/BLM

Sample ID: BGMW11102024 **Collected:** 10/2/2024 12:00:00 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	1000		30	LOD	200	LOQ	ug/L	J	DU1
ARSENIC	1.4	J	2.0	LOD	5.0	LOQ	ug/L	J	TR, DU1
CALCIUM	84000		100	LOD	200	LOQ	ug/L	J	DU1
CHROMIUM	1.3	J	1.8	LOD	3.0	LOQ	ug/L	J	TR, DU1
COBALT	0.50	J	0.90	LOD	1.0	LOQ	ug/L	J	TR, DU1
LEAD	0.27	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
MAGNESIUM	35000		15	LOD	200	LOQ	ug/L	J	DU1
MANGANESE	220		1.8	LOD	3.0	LOQ	ug/L	J	DU1
NICKEL	1.6	J	1.9	LOD	3.0	LOQ	ug/L	J	TR, DU1
POTASSIUM	790	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	4.3	J	3.0	LOD	5.0	LOQ	ug/L	UJ	BLT/BLU, DU1
ZINC	2.6	J	8.0	LOD	10	LOQ	ug/L	J	TR, DU1

Sample ID: FDUP03-102024 **Collected:** 10/2/2024 12:10:00 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	26	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM, ICB/CCB
ARSENIC	0.77	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.50	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.60	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.6	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	270		40	LOD	200	LOQ	ug/L	J	DU1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: METALS

Sample ID: FDUP03-102024 **Collected:** 10/2/2024 12:10:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	610	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	1.3	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	3.3	J	8.0	LOD	10	LOQ	ug/L	U	BLL/BLM

Sample ID: FDUP03-102024 **Collected:** 10/2/2024 12:10:00 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	370		30	LOD	200	LOQ	ug/L	J	DU1
ARSENIC	0.77	J	2.0	LOD	5.0	LOQ	ug/L	J	TR, DU1
CALCIUM	130000		100	LOD	200	LOQ	ug/L	J	DU1
CHROMIUM	5.5		1.8	LOD	3.0	LOQ	ug/L	J	DU1
COBALT	0.85	J	0.90	LOD	1.0	LOQ	ug/L	J	TR, DU1
MAGNESIUM	53000		15	LOD	200	LOQ	ug/L	J	DU1
MANGANESE	380		1.8	LOD	3.0	LOQ	ug/L	J	DU1
NICKEL	3.7		1.9	LOD	3.0	LOQ	ug/L	J	DU1
POTASSIUM	660	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	1.8	J	3.0	LOD	5.0	LOQ	ug/L	UJ	BLT/BLU, DU1
ZINC	6.1	J	8.0	LOD	10	LOQ	ug/L	J	TR, DU1

Sample ID: MW02102024 **Collected:** 10/1/2024 9:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.1	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
POTASSIUM	380	J	76	LOD	1000	LOQ	ug/L	U	ICB/CCB
SELENIUM	3.2	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	2.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	22		8.0	LOD	10	LOQ	ug/L	J+	BLL/BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: **METALS**

Sample ID: **MW02102024** ***Collected:*** **10/1/2024 9:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.80	J	1.0	LOD	2.0	LOQ	ug/L	J	TR
ARSENIC	1.6	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
SELENIUM	3.3	J	4.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **MW29102024** ***Collected:*** **10/2/2024 9:40:00 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	1.9	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CADMIUM	0.19	J	0.75	LOD	1.0	LOQ	ug/L	J	TR
CHROMIUM	0.60	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
NICKEL	1.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	500	J	76	LOD	1000	LOQ	ug/L	J	TR
SILVER	0.068	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	4.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **MW29102024** ***Collected:*** **10/2/2024 9:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	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	0.49	J	0.75	LOD	1.0	LOQ	ug/L	J	TR
SILVER	0.14	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
THALLIUM	0.92	J	0.75	LOD	1.0	LOQ	ug/L	J	TR
ZINC	9.9	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **QC02102024EB** ***Collected:*** **10/2/2024 2:00:00 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	86	J	30	LOD	200	LOQ	ug/L	J	TR
CALCIUM	60	J	100	LOD	200	LOQ	ug/L	J	TR
MAGNESIUM	8.6	J	15	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	59	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: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: METALS

Sample ID: QC02102024EB **Collected:** 10/2/2024 2:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	610	J	150	LOD	1000	LOQ	ug/L	J	TR
ZINC	5.9	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: QC02102024EB **Collected:** 10/2/2024 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	50	J	100	LOD	200	LOQ	ug/L	J	TR
MAGNESIUM	10	J	15	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	61	J	76	LOD	1000	LOQ	ug/L	J	TR
SODIUM	770	J	150	LOD	1000	LOQ	ug/L	J	TR

Sample ID: SMW01102024 **Collected:** 10/2/2024 8:50:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	13	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM
ARSENIC	2.7	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	11	J	40	LOD	200	LOQ	ug/L	U	BLT/BLU
NICKEL	2.2	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	180	J	76	LOD	1000	LOQ	ug/L	U	BLL/BLM, ICB/CCB

Sample ID: SMW01102024 **Collected:** 10/2/2024 8:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.4	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.50	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.59	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
IRON	180	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	2.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	200	J	76	LOD	1000	LOQ	ug/L	U	BLL/BLM
SILVER	0.079	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	7.2		3.0	LOD	5.0	LOQ	ug/L	J+	BLT/BLU
ZINC	2.0	J	8.0	LOD	10	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW26102024** ***Collected:*** **10/2/2024 10:30:00 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	1.6	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.7	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
NICKEL	1.9	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	290	J	76	LOD	1000	LOQ	ug/L	U	BLL/BLM
VANADIUM	3.6	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW26102024** ***Collected:*** **10/2/2024 10:30:00 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	1.6	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
BERYLLIUM	0.62	J	0.60	LOD	1.0	LOQ	ug/L	J	TR
CHROMIUM	1.0	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.61	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
LEAD	0.26	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
NICKEL	2.3	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	360	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	5.3		3.0	LOD	5.0	LOQ	ug/L	J+	BLT/BLU

Sample ID: **TMW31S102024** ***Collected:*** **10/2/2024 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
ARSENIC	0.62	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
IRON	19	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	0.88	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	390	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	2.3	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	3.2	J	8.0	LOD	10	LOQ	ug/L	U	BLL/BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW31S102024** ***Collected:*** **10/2/2024 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*
ARSENIC	0.52	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.52	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	0.91	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
LEAD	0.55	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
POTASSIUM	580	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	5.4		3.0	LOD	5.0	LOQ	ug/L	J+	BLT/BLU
ZINC	5.7	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW39D102024** ***Collected:*** **10/2/2024 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ZINC	11		8.0	LOD	10	LOQ	ug/L	J+	BLL/BLM

Sample ID: **TMW39D102024** ***Collected:*** **10/2/2024 12:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHROMIUM	0.50	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
SELENIUM	1.6	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	2.2	J	3.0	LOD	5.0	LOQ	ug/L	U	BLT/BLU
ZINC	4.1	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW40D102024** ***Collected:*** **10/2/2024 1:55:00 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	22	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM, ICB/CCB
ARSENIC	0.50	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
POTASSIUM	970	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	2.2	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	3.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	2.4	J	8.0	LOD	10	LOQ	ug/L	U	BLL/BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW40D102024** ***Collected:*** **10/2/2024 1:55:00 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	110	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	0.69	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CADMIUM	0.33	J	0.75	LOD	1.0	LOQ	ug/L	J	TR
CHROMIUM	0.55	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
IRON	28	J	40	LOD	200	LOQ	ug/L	U	BLT/BLU
POTASSIUM	940	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	2.8	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
SILVER	0.050	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	4.1	J	3.0	LOD	5.0	LOQ	ug/L	U	BLT/BLU
ZINC	3.2	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW63102024** ***Collected:*** **10/2/2024 12:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ARSENIC	0.58	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	12	J	40	LOD	200	LOQ	ug/L	J	TR, MD2
MAGNESIUM	980		15	LOD	200	LOQ	ug/L	J	MD1, MD5
MANGANESE	25		1.8	LOD	3.0	LOQ	ug/L	J+	MD1
POTASSIUM	720	J	76	LOD	1000	LOQ	ug/L	J	TR, MD1

Sample ID: **TMW63102024** ***Collected:*** **10/2/2024 12:45:00 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	530	J1	30	LOD	200	LOQ	ug/L	J	MD1, MD5
ARSENIC	0.51	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	1.5	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
IRON	350	J1	40	LOD	200	LOQ	ug/L	J-	MD2
MAGNESIUM	1100	J1	15	LOD	200	LOQ	ug/L	J	MD1, MD5
MANGANESE	31	J1	1.8	LOD	3.0	LOQ	ug/L	J+	MD1
NICKEL	0.90	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	750	J J1	76	LOD	1000	LOQ	ug/L	J	TR, MD1
VANADIUM	2.0	J	3.0	LOD	5.0	LOQ	ug/L	U	BLT/BLU

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename: **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

280-197491-1_52_2a_ParsonsFtWingate_rev_rev

Method Category: **METALS**

Method Category: **METALS**

Sample ID: **BGMW11102024** ***Collected:*** **10/2/2024 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: **FDUP03-102024** ***Collected:*** **10/2/2024 12:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: **MW02102024** ***Collected:*** **10/1/2024 9:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: **MW29102024** ***Collected:*** **10/2/2024 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: **QC02102024EB** ***Collected:*** **10/2/2024 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: **SMW01102024** ***Collected:*** **10/2/2024 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: METALS

Sample ID: TMW26102024 **Collected:** 10/2/2024 10:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: TMW31S102024 **Collected:** 10/2/2024 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
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: TMW39D102024 **Collected:** 10/2/2024 12:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: TMW40D102024 **Collected:** 10/2/2024 1:55:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Sample ID: TMW63102024 **Collected:** 10/2/2024 12:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U H	0.080	LOD	0.20	LOQ	ug/L	UJ	SC1

Method Category: SVOA

Sample ID: MW02102024 **Collected:** 10/1/2024 9:45:00 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	65	J	130	LOD	270	LOQ	ug/L	J	TR
Oil Range Organics (ORO) C20-C38	140	J	140	LOD	540	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method Category: SVOA

Sample ID: MW29102024 **Collected:** 10/2/2024 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Oil Range Organics (ORO) C20-C38	300	J	630	LOD	2500	LOQ	ug/L	J	TR

Method Category: SVOA

Sample ID: QC02102024EB **Collected:** 10/2/2024 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.63	U Q	0.63	LOD	1.1	LOQ	ug/L	UJ	CV2
AROCLOR 1260	0.32	U Q	0.32	LOD	1.1	LOQ	ug/L	UJ	CV2

Method Category: SVOA

Sample ID: MW02102024 **Collected:** 10/1/2024 9:45:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	29	U M Q	29	LOD	49	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	47	U Q	47	LOD	49	LOQ	ug/L	UJ	CV2

Sample ID: MW02102024 **Collected:** 10/1/2024 9:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,2'-OXYBIS (1-CHLOROPROPANE)	7.8	U Q	7.8	LOD	9.8	LOQ	ug/L	UJ	CV2
3-NITROANILINE	7.8	U M Q	7.8	LOD	9.8	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename: **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

280-197491-1_52_2a_ParsonsFtWingate_rev_rev

Method Category: **SVOA**

Sample ID: **BGMW11102024** ***Collected:*** **10/2/2024 12:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,3,5-TRINITROBENZENE	0.21	U Q M	0.21	LOD	0.22	LOQ	ug/L	UJ	SU2
1,3-DINITROBENZENE	0.10	U Q M	0.10	LOD	0.12	LOQ	ug/L	UJ	SU2
2,4,6-TRINITROTOLUENE	0.10	U Q	0.10	LOD	0.12	LOQ	ug/L	UJ	SU2
2,4-DINITROTOLUENE	0.084	U Q	0.084	LOD	0.10	LOQ	ug/L	UJ	SU2
2,6-DINITROTOLUENE	0.084	U Q	0.084	LOD	0.10	LOQ	ug/L	UJ	SU2
2-AMINO-4,6-DINITROTOLUENE	0.10	U Q	0.10	LOD	0.12	LOQ	ug/L	UJ	SU2
4-AMINO-2,6-DINITROTOLUENE	0.13	U Q	0.13	LOD	0.16	LOQ	ug/L	UJ	SU2
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.21	U Q	0.21	LOD	0.22	LOQ	ug/L	UJ	SU2
m-Nitrotoluene	0.37	U Q	0.37	LOD	0.42	LOQ	ug/L	UJ	SU2
NITROBENZENE	0.21	U Q	0.21	LOD	0.22	LOQ	ug/L	UJ	SU2
Nitroglycerin	2.1	U Q	2.1	LOD	2.2	LOQ	ug/L	UJ	SU2
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.21	U Q	0.21	LOD	0.22	LOQ	ug/L	UJ	SU2
o-Nitrotoluene	0.21	U Q	0.21	LOD	0.22	LOQ	ug/L	UJ	SU2
Pentaerythritol tetranitrate (PETN)	1.0	U Q	1.0	LOD	1.2	LOQ	ug/L	UJ	SU2
p-Nitrotoluene	0.42	U Q	0.42	LOD	0.43	LOQ	ug/L	UJ	SU2
Trinitrophenylmethylnitramine (Tetryl)	0.10	U Q	0.10	LOD	0.12	LOQ	ug/L	UJ	SU2

Sample ID: **TMW31S102024** ***Collected:*** **10/2/2024 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*
1,3-DINITROBENZENE	0.11	U M	0.11	LOD	0.12	LOQ	ug/L	J	PJ
2,4-DINITROTOLUENE	0.088	U	0.088	LOD	0.11	LOQ	ug/L	J	PJ
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.17	J J1 M	0.22	LOD	0.23	LOQ	ug/L	J	TR, PJ

Sample ID: **TMW63102024** ***Collected:*** **10/2/2024 12:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,3-DINITROBENZENE	0.11	U Q	0.11	LOD	0.12	LOQ	ug/L	UJ	SU2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1 **Laboratory: TAL DEN**

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: VOA

Sample ID: BGMW11102024 **Collected:** 10/2/2024 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.45	J	1.0	LOD	2.0	LOQ	ug/L	J	TR

Sample ID: QC02102024EB **Collected:** 10/2/2024 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMODICHLOROMETHANE	0.86	J	0.50	LOD	1.0	LOQ	ug/L	J	TR
DIBROMOCHLOROMETHANE	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197491-1

Laboratory: TAL DEN

EDD Filename:
280-197491-1_52_2a_ParsonsFtWingate_rev_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Reason Code Legend

Reason Code	*Description*
BLL/BLM	Equipment Blank Contamination
BLT/BLU	Method Blank Contamination
CV2	Continuing Calibration Verification Percent Recovery Upper Estimation
DU1	Field Duplicate Precision
ICB/CCB	Calibration Blank Contamination
MD1	Matrix Spike Upper Estimation
MD2	Matrix Spike Lower Estimation
MD5	Matrix Spike Precision
PJ	Professional Judgment
SC1	Sampling to Analysis Estimation
SU2	Surrogate/Tracer Recovery Lower Estimation
TR	Reporting Limit Trace Value

* denotes a non-reportable result