DATA VALIDATION SUMMARY REPORT

for Samples Collected During

Groundwater Monitoring

Fort Wingate Depot Activity

McKinley County, New Mexico

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Parsons – Austin

INTRODUCTION

The following data validation summary report covers twenty-eight (28) water samples, and associated field quality control (QC) samples collected on September 30, 2024, and October 1, 2024, at Fort Wingate Depot Activity (FWDA), located in McKinley County, New Mexico. The samples were logged under Sample Delivery Group (SDG) 280-197419.

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 with the following exception: one VOA vial was received broken for sample BGMW07102024. The remaining VOA vials provided sufficient sample volume for analysis.

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(s)
BGMW07102024	280-197419-1	Water	V*, S*, M, P, Pest, PCB, E
QC01102024EB (Equipment Blank)	280-197419-2	Water	V*, S, M, P, Pest, PCB, E, TPH, H*
MW28102024	280-197419-3	Water	V, S*, M*, P, TPH*, E*
TMW37102024	280-197419-4	Water	V, M, P
FDUP02-102024 (Field Duplicate of MW24102024)	280-197419-5	Water	V, M
TMW34102024	280-197419-6	Water	V*, S*, M*, P*, TPH*
MW24102024	280-197419-7	Water	V, M
BGMW10102024	280-197419-8	Water	V*, S, M*, P, Pest*, PCB*, E*
TMW46102024	280-197419-9	Water	V, S*, M, P*, TPH*
BGMW01102024	280-197419-10	Water	V*, M*, P*
BGMW02102024	280-197419-11	Water	V, M, P*
TMW48102024	280-197419-12	Water	V*, M*, P*, E*
TMW58102024	280-197419-13	Water	V*, S*, M*, P, TPH*, E*
MW23102024	280-197419-14	Water	V, M, P
TMW16102024	280-197419-15	Water	V, M, P
TMW19102024	280-197419-16	Water	V, M
MW32102024	280-197419-17	Water	V*, S*, M*, P*, TPH*, E*
BGMW09102024	280-197419-18	Water	V*, S, M*, P*, Pest, PCB, E
TMW18102024	280-197419-19	Water	V, M
BGMW12102024	280-197419-20	Water	V*, S, M*, P*, TPH, E
TMW36102024	280-197419-21	Water	V, M, P, E*
TMW44102024	280-197419-22	Water	V*, S*, M*, P
MW01102024	280-197419-23	Water	V, S, M, TPH*
FDUP01-102024 (Field Duplicate of BGMW03102024)	280-197419-24	Water	V, M, P
BGMW03102024	280-197419-25	Water	V, M, P
BGMW10102024	280-197419-26	Water	A*, O*
MW28102024	280-197419-27	Water	A, O
TMW36102024	280-197419-28	Water	A*, O*
TMW46102024	280-197419-29	Water	A*, O*
TMW44102024	280-197419-30	Water	A, O

Client Sample ID	Laboratory Sample ID	Matrix	Parameter(s)
TMW37102024	280-197419-31	Water	A*, O*
MW02102024	280-197419-32	Water	A, O
MW01102024	280-197419-33	Water	A*, O*
BGMW03102024	280-197419-34	Water	A, O
FDUP01-102024 (Field Duplicate of BGMW03102024)	280-197419-35	Water	A*, O*
BGMW02102024	280-197419-36	Water	A, O
QC01102024EB (Equipment Blank)	280-197419-37	Water	A*, O*
TMW34102024	280-197419-38	Water	A, O
BGMW01102024	280-197419-39	Water	A*, O*
TMW48102024	280-197419-40	Water	A*, O*
QC01102024TB (Trip Blank)	280-197419-41	Water	V, TPH
QC30092024TB (Trip Blank)	280-197419-42	Water	V, TPH

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
*=Underwent Stage 4 review. See Attachment D for recalculations.

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. Additionally, this SDG was selected for Stage 4 validation to be performed on 10% of sample results for each parameter. 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, and a recalculation of QC (ICAL, LCS, MS/MSD, Surrogate) and 10% of sample results for each parameter. 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. Stage 4 recalculations are included in this report as Attachment D.

ANIONS

General

The anions portion of this SDG consisted of fifteen (15) water samples. The samples were collected on October 1, 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 prepared and analyzed within the holding time required by the method with the following exceptions: sample BGMW03102024 was analyzed outside the 48-hour holding time documented in the QAPP. As such, the nitrate and nitrite results were qualified "J" as estimated. Additionally, sample MW28102024 was re-analyzed outside the 48-hour holding time documented in the QAPP. As such, the nitrate result was qualified "J" as estimated.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the Laboratory Control Sample (LCS), Laboratory Control Sample Duplicate (LCSD), Matrix Spike (MS) and Matrix Spike Duplicate (MSD). Samples MW28102024, TMW37102024 and TMW48102024 were designated for MS/MSD analysis by the laboratory.

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

Precision

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

All LCS/LCSD, 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: FDUP01-102024 (parent sample - BGMW03102024). The RPD for nitrate 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.

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

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

Completeness

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

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

ORTHOPHOSPHATE AS P

General

The orthophosphate portion of this SDG consisted of fifteen (15) water samples. The samples were collected on October 1, 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 prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD, and MS/MSD. Samples MW28102024 and QC01102024EB 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: FDUP01-102024 (parent sample - BGMW03102024). The RPD for orthophosphate was within acceptance criteria.

Representativeness

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

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

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

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

Two laboratory method blanks were associated with the orthophosphate analyses in this SDG. Orthophosphate was detected in both laboratory method blanks. The associated samples with orthophosphate detections less than 5x the laboratory method blank detections were qualified “U” as non-detect. The associated samples with orthophosphate detections less than 5x the laboratory method blank detections and greater than the LOQ were qualified “J+” as estimated high bias.

One equipment blank was associated with the orthophosphate analyses in this SDG. Orthophosphate was detected in the equipment blank. The associated samples with orthophosphate detections less than 5x the equipment blank detections were qualified “U” as non-detect. The associated samples with orthophosphate detections less than 5x the

equipment blank detections and greater than the LOQ were qualified "J+" as estimated high bias.

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 twenty-seven (27) water samples. The samples were collected on September 30, 2024, and October 1, 2024, and were analyzed for VOCs as specified in the project-specific UFP-QAPP.

The VOC analyses were performed in accordance with U.S. EPA Method 8260D. All samples in this SDG were analyzed following the procedures outlined in the DoD QSM, version 5.4 and the project QAPP.

All samples were prepared and analyzed within the holding time required by the method. The method requirement for headspace was not met for sample BGMW02102024. As such, all VOCs were qualified "UJ" as estimated at the reporting limit.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD, MS/MSD and the surrogate spikes. Sample BGMW07102024 was designated for MS/MSD analysis by the laboratory.

All LCS/LCSD recoveries were within acceptance criteria.

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

Sample BGMW07102024			
Analyte	**MS %R**	**MSD %R**	**Criteria**
1,2,3-trichlorobenzene	65	(76)	69-129%

( ) indicates the recovery was within acceptance criteria.

The MS REC for 1,2,3-trichlorobenzene recovered low and outside criteria. 1,2,3-trichlorobenzene was non-detect in sample BGMW01012024, as such, the result was qualified "UJ" as estimated at the reporting limit.

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: FDUP01-102024 (parent sample - BGMW03102024) and FDUP02-102024 (parent sample – MW24102024). All VOCs were non-detect in the parent samples and field duplicates. 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 instrument tune criteria were met.
- All ICAL criteria were met.
- The ICV samples were prepared from a second source standard. All ICV criteria were met.
- All CCV criteria were met.
- All internal standard criteria were met.

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

One equipment blank and two trip blanks were 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 thirteen (13) water samples. The samples were collected on September 30, 2024, and October 1, 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 BGMW07102024 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. It should be noted that surrogate 2,4,6-tribromophenol recovery in the CCV associated with batch 670107 was outside control limits. The surrogate recovery in the associated samples was within control limits; therefore, corrective action was not necessary, and qualification of data was not warranted.

Precision

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

Several MS/MSD RPDs for SVOCs exceeded acceptance criteria for sample BGMW07102024. All SVOCs were non-detect in the noted sample, as such qualification was not warranted.

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 samples were non-detect for these analytes, as such, the results were qualified "UJ" as estimated at the reporting limit.
- All internal standard criteria were met.

One laboratory method blank was associated with the SVOC analyses in this SDG. The laboratory method blank was 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 samples 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 ten (10) water samples. The samples were collected on September 30, 2024, and October 1, 2024, and were analyzed for TPH GRO as specified in the project-specific UFP-QAPP.

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

Accuracy

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

All LCS/LCSD spike recoveries were within acceptance criteria.

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

Precision

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

All LCS/LCSD RPDs were within acceptance criteria.

Representativeness

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

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

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

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

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 two trip blanks were associated with the TPH GRO analyses in this SDG. The equipment blank and trip blanks 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 eight (8) water samples. The samples were collected on September 30, 2024, and October 1, 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 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 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. TPH ORO was detected in the laboratory method blank. The associated samples were non-detect for TPH ORO, as such qualification of data was not warranted.

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

Completeness

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

All results for TPH DRO/ORO for the 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 four (4) water samples. The samples were collected on September 30, 2024, and October 1, 2024, and were 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. Sample BGMW07102024 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 with the following exceptions: toxaphene spike compounds were inadvertently omitted during the extraction process for the MS/MSD in prep batch 669863. As such, the MS/MSD surrogate recoveries could not be evaluated for analytical batch 670005. All other 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 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 1, 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 four (4) water samples. The samples were collected on September 30, 2024, and October 1, 2024, and were 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, MS/MSD and the surrogate spikes. Sample BGMW07102024 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 the recovery for surrogate, tetrachloro-m-xylene, in batch 669957 was outside acceptance limits on the primary column and within acceptance limits on the secondary column. As such, the results were reported from the secondary column.

Precision

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

All MS/MSD RPDs were within acceptance criteria.

Representativeness

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

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

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

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

- All 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. The associated sample were 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 ten (10) water samples. The samples were collected on September 30, 2024, and October 1, 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 BGMW07102024 was designated for MS/MSD analysis by the laboratory.

All LCS spike recoveries were within acceptance criteria, except for the following:

Analyte	Batch	LCS %R	Criteria
m-nitrotoluene	669775	70	73-125%
o-nitrotoluene	669775	69	70-127%
p-nitrotoluene	669775	70	71-127%

The LCS RECs for the above noted analytes recovered low and outside criteria. The associated samples were non-detect for the above noted analytes, as such the results were qualified "UJ" as estimated at the reporting limit.

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

Sample BGMW07102024			
Analyte	**MS %R**	**MSD %R**	**Criteria**
m-nitrotoluene	64	(82)	73-125%
o-nitrotoluene	64	(80)	70-127%
p-nitrotoluene	66	(84)	71-127%

( ) indicates the recovery was within acceptance criteria.

The MS RECs for the above noted analytes recovered low and outside criteria. The above noted analytes were non-detect in sample BGMW07102024, as such, the results were qualified "UJ" as estimated at the reporting limit.

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 MS/MSD concentrations.

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

Sample BGMW07102024		
Analyte	**MS/MSD %RPD**	**Criteria**
m-nitrotoluene	29	RPD ≤ 20
nitrobenzene	21	RPD ≤ 20
o-nitrotoluene	28	RPD ≤ 20
p-nitrotoluene	28	RPD ≤ 20

The results for the above noted analytes for sample BGMW07102024 were non-detect. As such, data quality was not affected by the high RPDs, and qualification of data was not warranted.

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 RDX exceeded 40% for sample TMW48102024. As such, the result for RDX was 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 nineteen (19) water samples. The samples were collected on September 30, 2024, and October 1, 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 BGMW07102024 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 sample was submitted to the lab as a blind field duplicate sample: FDUP01-102024 (parent sample - BGMW03102024). 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 except for the following:
    - Perchlorate was detected in one or more CCBs associated with analysis batch 669711. The associated samples with perchlorate detections less than 5x the CCB detection were qualified "U" as non-detect.
- 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 twenty-five (25) water samples. The samples were collected on September 30, 2024, and October 1, 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 BGMW07102024 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 BGMW07102024			
Analyte	**MS %R**	**MSD %R**	**Criteria**
beryllium	125	136	83-121%
copper	(86)	83	85-118%
nickel	(85)	84	85-117%
silver	(86)	84	85-116%
zinc	62	65	83-118%

( ) indicates the recovery was within acceptance criteria.

The MS and/or MSD RECs for the above noted metals recovered outside criteria. Beryllium was non-detect in sample BGMW07102024, as such qualification was not warranted. Detections of copper, nickel, silver and zinc were qualified "J-" as estimated low bias. Non-detects of copper, nickel, silver and zinc were qualified "UJ" as estimated at the reporting limit. It should be noted that one or more MS/MSD RECs for calcium, manganese, magnesium, potassium 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.

Precision was further evaluated by comparing the field duplicate results. The following samples were submitted to the lab as blind field duplicate samples: FDUP01-102024 (parent sample - BGMW03102024) and FDUP02-102024 (parent sample – MW24102024). The RPDs for iron and zinc exceeded the acceptance criteria of 30% for FDUP02-102024 and (parent sample – MW24102024). As such, the results for iron and zinc 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 except for the following:
    - The CCV associated with batch 670775 recovered above criteria for dissolved zinc. Dissolved zinc was qualified "X" in associated samples BGMW10102024 and BGMW01102024.
- 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 670476 had detections of magnesium and silver. Magnesium was either non-detect or greater than 5x the ICB detection. As such, no qualification was warranted for magnesium. Silver was detected less than 5x the ICB detection in associated samples FDUP02-102024, TMW34102024, MW24102024, TMW48102024, TMW19102024, TMW18102024 and TMW37102024. As such, the results were qualified "U" as non-detect.
    - The ICB associated with batch 670512 had detections of magnesium and silver. Magnesium was either non-detect or greater than 5x the ICB detection. As such, no qualification was warranted for magnesium. Silver was detected less than 5x the ICB detection in associated sample TMW36102024. As such, the result was qualified "U" as non-detect.
- All CCB criteria were met except for the following:
    - The CCBs associated with batch 670367 had detections of aluminum, magnesium and silver. Aluminum and magnesium were either non-detect or greater than 5x the CCB detections. As such, no qualification was warranted for these analytes. Silver was detected less than 5x the CCB detection in associated sample TMW36102024. As such, the result was qualified "U" as non-detect.
    - The CCBs associated with batch 670476 had detections of antimony, magnesium, manganese, silver, sodium. Antimony, magnesium, manganese and sodium were either non-detect or greater than 5x the CCB detections. As such, no qualification was warranted for these analytes. Silver was detected less than 5x the CCB detection in associated samples TMW37102024, FDUP02-102024, TMW34102024, MW24102024, TMW48102024 and TMW19102024. As such, the results were qualified "U" as non-detect.
    - The CCBs associated with batch 670512 had detections of antimony, magnesium, manganese, silver, sodium. Antimony, magnesium, manganese and sodium were either non-detect or greater than 5x the CCB detections. As such, no qualification was warranted for these analytes. Silver was

detected less than 5x the CCB detection in associated sample TMW36102024. As such, the result was qualified "U" as non-detect.

- The CCBs associated with batch 670775 had detections of antimony, iron, magnesium, manganese, silver and sodium. Antimony, magnesium, silver and sodium were either non-detect or greater than 5x the CCB detections. As such, no qualification was warranted for these analytes. Iron and manganese were detected less than 5x the CCB 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, except for the following:

Sample BGMW07102024			
Analyte	**Total metals PDS %R**	**Dissolved metals PDS %R**	**Criteria**
beryllium	124	134	80-120%

The PDS RECs for beryllium recovered outside criteria. Beryllium was non-detect, as such qualification was not warranted. It should be noted that the PDS RECs for calcium, manganese, magnesium and sodium exceeded acceptance criteria, however; the sample concentrations were greater than 4 times the PDS spike concentrations. As such, the PDS RECs could not be evaluated, and qualification was not warranted.

Six laboratory method blanks were associated with the metals analyses in this SDG. Barium, calcium, copper, iron, silver, sodium and zinc were detected in one or more of the laboratory method blanks. The associated samples with detections less than 5x the laboratory method blank detections were qualified "U" as non-detect. The associated samples with detections less than 5x the laboratory method blank detections and greater than the LOQ were qualified "J+" as estimated high bias.

One equipment blank was associated with the metals analyses in this SDG. The following metals were detected in the equipment blank; dissolved aluminum, dissolved/total antimony, dissolved barium, dissolved/total calcium, dissolved copper, dissolved/total iron, dissolved/total magnesium, total manganese, dissolved/total sodium and dissolved zinc. The associated samples with detections less than 5x the equipment blank detections were qualified "U" as non-detect. The associated samples with detections less than 5x the laboratory method blank detections and greater than the LOQ were qualified "J+" as estimated high bias.

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 with the following exceptions: the results for dissolved zinc for samples BGMW10102024 and BGMW01102024 were qualified "X" due to the CCV recovering below acceptance limits. Therefore, the completeness for the metals portion of this SDG is 99%, which meets the minimum acceptance criteria of 90%.

MERCURY

General

The mercury portion of this SDG consisted of twenty-five (25) water samples. The samples were collected on September 30, 2024, and October 1, 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, the 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 BGMW07102024 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 BGMW07102024			
Analyte	**MS %R**	**MSD %R**	**Criteria**
Total mercury	72	70	82-119%
Dissolved mercury	79	(82)	82-119%

( ) indicates the recovery was within acceptance criteria.

The MS and/or MSD RECs for mercury recovered low and outside criteria. The mercury results were non-detect for sample BGMW07102024, as such the results 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: FDUP01-102024 (parent sample - BGMW03102024) and FDUP02-102024 (parent sample – MW24102024). Mercury was non-detect in the parent samples and field duplicates. 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 following mercury results were outside criteria in the PDS:

Sample BGMW07102024			
Analyte	**Total mercury PDS %R**	**Dissolved mercury PDS %R**	**Criteria**
mercury	72	79	80-120%

The PDS REC for total and dissolved mercury recovered outside criteria. Mercury was non-detect, as such the mercury results were qualified "UJ" as estimated at the reporting limit.

Four 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.

All data in this SDG are considered usable, as qualified, for the purposes of this project with the following exception: samples BGMW10102024 and BGMW01102024 were qualified "X" for dissolved zinc. The presence or absence of the analytes 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.

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
9056A	nitrate	TMW46102024
8270E	2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-nitrophenol, 4,6-dinitro-2-methylphenol, 3,3'-dichlorobenzidine, 4-chloroaniline, 4-chlorophenylphenylether, 4-nitrophenol, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, bis(2-chloroethyl)ether, bis(2-ethylhexyl)phthalate, dibenz(a,h)anthracene, hexachlorobenzene, hexachlorobutadiene, hexachloroethane, indeno[1,2,3-cd]pyrene, nitrobenzene, n-nitrosodi-n-propylamine, phenol and hexachlorocyclopentadiene.	BGMW07102024, BGMW10102024, TMW58102024, MW01102024, TMW44102024, TMW34102024 and QC01102024EB
8270E	4,6-dinitro-2-methylphenol, 3,3'-dichlorobenzidine, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene and hexachlorocyclopentadiene	MW28102024
8330B	nitroglycerin	TMW48102024, TMW58102024, MW32102024, BGMW09102024, QC01102024EB, BGMW12102024, TMW36102024, MW28102024 and BGMW10102024
8081B	4,4'-DDD, 4,4'-DDE, aldrin, and dieldrin	BGMW07102024 and BGMW10102024
6850	perchlorate	TMW48102024
8015D	DRO	TMW58102024 and TMW34102024
8082A	PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, PCB-1260, PCB-1262 and PCB-1268	BGMW07102024 and BGMW10102024

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]	BGMW01102024		BGMW02102024		BGMW03102024		FDUP01-102024*		BGMW07102024		BGMW09102024		BGMW10102024		BGMW12102024		MW01102024	
DATE SAMPLED:			10/01/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024		09/30/2024		10/01/2024		09/30/2024		10/01/2024	
LAB SAMPLE ID:			280-197419-10 280-197419-39		280-197419-11 280-197419-36		280-197419-25 280-197419-34		280-197419-24 280-197419-35		280-197419-1 280-197341-2		280-197419-18 280-197341-3		280-197419-8 280-197419-26		280-197419-20 280-197341-5		280-197419-23 280-197419-33	
	Unit																			
Volatile Organics - SW8260D																				
1,1,1,2-Tetrachloroethane	µg/L	5.7	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	µg/L	200	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	µg/L	10	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	µg/L	25	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	µg/L	7	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	µg/L	4.7	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	µg/L	7	4.0	U	4.0	UJ	4.0	U	4.0	U	4.0	UJ	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	UJ	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	µg/L	70	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	µg/L	56	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	µg/L	5	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane (EDB)	µg/L	1	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	µg/L	600	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	µg/L	60	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	µg/L	75	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	µg/L	370	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	µg/L	75	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	µg/L	5,600	10	U	10	UJ	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Chlorotoluene	µg/L	240	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Hexanone	µg/L	38	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chlorotoluene	µg/L	250	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
4-Isopropyltoluene	µg/L	450	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
4-Methyl-2-pentanone (MIBK)	µg/L	6,300	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	µg/L	18,000	15	U	15	UJ	15	U	15	U	15	U	15	U	15	U	15	U	15	U
Benzene	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromobenzene	µg/L	62	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	µg/L	83	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	µg/L	80	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	µg/L	80	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Bromomethane	µg/L	7.5	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

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DATE SAMPLED:			10/01/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024		09/30/2024		10/01/2024		09/30/2024		10/01/2024	
LAB SAMPLE ID:			280-197419-10 280-197419-39		280-197419-11 280-197419-36		280-197419-25 280-197419-34		280-197419-24 280-197419-35		280-197419-1 280-197341-2		280-197419-18 280-197341-3		280-197419-8 280-197419-26		280-197419-20 280-197341-5		280-197419-23 280-197419-33	
Carbon disulfide	µg/L	810	2.0	U	2.0	UJ	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	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	µg/L	100	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	µg/L	8,300	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Chloroform	µg/L	80	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	µg/L	190	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
cis-1,2-Dichloroethene	µg/L	70	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	µg/L	4.7	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	µg/L	80	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	µg/L	8.3	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	µg/L	200	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Ethylbenzene	µg/L	700	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	µg/L	2	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Isopropylbenzene	µg/L	450	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl acetate	µg/L	20,000	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether (MTBE)	µg/L	100	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methylene chloride	µg/L	5	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
m-Xylene & p-Xylene	µg/L	620	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Naphthalene	µg/L	30	3.0	U	3.0	UJ	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
n-Butylbenzene	µg/L	1,000	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
n-Propylbenzene	µg/L	660	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	µg/L	620	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	µg/L	2,000	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	µg/L	100	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	µg/L	690	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	µg/L	1,000	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	µg/L	100	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	µg/L	4.7	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethene	µg/L	5	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	µg/L	5,200	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Vinyl chloride	µg/L	2	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

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DATE SAMPLED:			10/01/2024	10/01/2024	10/01/2024	10/01/2024	09/30/2024		09/30/2024		10/01/2024		09/30/2024		10/01/2024	
LAB SAMPLE ID:			280-197419-10 280-197419-39	280-197419-11 280-197419-36	280-197419-25 280-197419-34	280-197419-24 280-197419-35	280-197419-1 280-197341-2		280-197419-18 280-197341-3		280-197419-8 280-197419-26		280-197419-20 280-197341-5		280-197419-23 280-197419-33	
Semivolatile Organics - SW8270E																
2,2'-Oxybis (1-chloropropane)	µg/L	710	--	--	--	--	11	UJ	10	UJ	11	UJ	9.2	UJ	11	UJ
2,4,5-Trichlorophenol	µg/L	1,200	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2,4,6-Trichlorophenol	µg/L	12	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2,4-Dichlorophenol	µg/L	46	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2,4-Dimethylphenol	µg/L	360	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2,4-Dinitrophenol	µg/L	39	--	--	--	--	34	U	30	U	32	U	28	U	32	U
2,4-Dinitrotoluene	µg/L	10	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2,6-Dinitrotoluene	µg/L	10	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2-Chloronaphthalene	µg/L	750	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
2-Chlorophenol	µg/L	91	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2-Methylnaphthalene	µg/L	30	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
2-Methylphenol	µg/L	930	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2-Nitroaniline	µg/L	190	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
2-Nitrophenol	µg/L	na	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
3 & 4 Methylphenol	µg/L	370	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
3,3'-Dichlorobenzidine	µg/L	50	--	--	--	--	56	U	50	U	53	U	46	U	54	U
3-Nitroaniline	µg/L	38	--	--	--	--	11	UJ	10	UJ	11	UJ	9.2	UJ	11	UJ
4,6-Dinitro-2-methylphenol	µg/L	50	--	--	--	--	56	UJ	50	UJ	53	UJ	46	UJ	54	UJ
4-Bromophenyl phenyl ether	µg/L	na	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
4-Chloro-3-methylphenol	µg/L	1,400	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
4-Chloroaniline	µg/L	20	--	--	--	--	22	U	20	U	21	U	18	U	21	U
4-Chlorophenyl phenyl ether	µg/L	na	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
4-Nitroaniline	µg/L	38	--	--	--	--	11	U	10	U	11	U	9.2	U	11	U
4-Nitrophenol	µg/L	na	--	--	--	--	28	U	25	U	26	U	23	U	27	U
Acenaphthene	µg/L	530	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
Acenaphthylene	µg/L	120	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
Anthracene	µg/L	1,800	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
Benzaldehyde	µg/L	190	--	--	--	--	5.6	U	5.0	U	5.3	U	4.6	U	5.4	U
Benz(a)anthracene	µg/L	4	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
Benzo(a)pyrene	µg/L	4	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
Benzo(b)fluoranthene	µg/L	4	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U
Benzo(g,h,i)perylene	µg/L	120	--	--	--	--	4.5	U	4.0	U	4.2	U	3.7	U	4.3	U

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Benzo(k)fluoranthene	µg/L	25	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
bis(2-Chloroethoxy)methane	µg/L	59	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
bis(2-Chloroethyl)ether	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
bis(2-Ethylhexyl)phthalate	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Butyl benzyl phthalate	µg/L	160	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Caprolactam	µg/L	9,900	--	--	--	--	17 U	15 U	16 U	14 U	16 U
Carbazole	µg/L	290	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Chrysene	µg/L	250	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Dibenz(a,h)anthracene	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Dibenzofuran	µg/L	7.9	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Diethyl phthalate	µg/L	15,000	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Dimethyl phthalate	µg/L	na	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Di-n-butyl phthalate	µg/L	900	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Di-n-octyl phthalate	µg/L	200	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Fluoranthene	µg/L	800	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Fluorene	µg/L	290	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Hexachlorobenzene	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Hexachlorobutadiene	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Hexachlorocyclopentadiene	µg/L	50	--	--	--	--	56 U	50 U	53 U	46 U	54 U
Hexachloroethane	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Indeno(1,2,3-cd)pyrene	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Isophorone	µg/L	780	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Naphthalene	µg/L	30	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Nitrobenzene	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
n-Nitrosodi-n-propylamine	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
N-Nitrosodiphenylamine	µg/L	120	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Pentachlorophenol	µg/L	50	--	--	--	--	56 UJ	50 UJ	53 UJ	46 UJ	54 UJ
Phenanthrene	µg/L	170	--	--	--	--	4.5 U	4.0 U	4.2 U	3.7 U	4.3 U
Phenol	µg/L	10	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Pyrene	µg/L	120	--	--	--	--	11 U	10 U	11 U	9.2 U	11 U
Petroleum Hydrocarbons - SW8015D											
Gasoline Range Organics (GRO) C6-C10	µg/L	25	--	--	--	--	--	--	--	25 U	25 U
Diesel Range Organics (DRO) C10-C28	µg/L	250	--	--	--	--	--	--	--	250 U	250 U
Oil Range Organics (ORO) C20-C38	µg/L	60,200	--	--	--	--	--	--	--	500 U	500 U

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DATE SAMPLED:			10/01/2024	10/01/2024	10/01/2024	10/01/2024	09/30/2024	09/30/2024	10/01/2024	09/30/2024	10/01/2024
LAB SAMPLE ID:			280-197419-10 280-197419-39	280-197419-11 280-197419-36	280-197419-25 280-197419-34	280-197419-24 280-197419-35	280-197419-1 280-197341-2	280-197419-18 280-197341-3	280-197419-8 280-197419-26	280-197419-20 280-197341-5	280-197419-23 280-197419-33
Organochlorine Pesticides - SW8081B											
4,4'-DDD	µg/L	0.32	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
4,4'-DDE	µg/L	0.46	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
4,4'-DDT	µg/L	2.3	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Aldrin	µg/L	0.05	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
alpha-BHC	µg/L	0.072	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
alpha-Chlordane	µg/L	2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
beta-BHC	µg/L	0.25	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
delta-BHC	µg/L	0.25	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Dieldrin	µg/L	0.05	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Endosulfan I	µg/L	100	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Endosulfan II	µg/L	100	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Endosulfan sulfate	µg/L	110	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Endrin	µg/L	2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Endrin aldehyde	µg/L	2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Endrin ketone	µg/L	2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
gamma-BHC (Lindane)	µg/L	0.2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
gamma-Chlordane	µg/L	2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Heptachlor	µg/L	0.4	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Heptachlor epoxide	µg/L	0.2	--	--	--	--	0.059 U	0.050 U	0.057 U	--	--
Methoxychlor	µg/L	40	--	--	--	--	0.12 U	0.099 U	0.11 U	--	--
Toxaphene	µg/L	3	--	--	--	--	3.5 U	3.0 U	3.4 U	--	--
PCBs - SW8082											
Aroclor 1016	µg/L	1.4	--	--	--	--	1.2 UJ	0.99 UJ	1.1 UJ	--	--
Aroclor 1221	µg/L	1	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Aroclor 1232	µg/L	1	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Aroclor 1242	µg/L	1	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Aroclor 1248	µg/L	1	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Aroclor 1254	µg/L	1	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Aroclor 1260	µg/L	1	--	--	--	--	1.2 UJ	0.99 UJ	1.1 UJ	--	--
Aroclor 1262	µg/L	1	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Aroclor 1268	µg/L	na	--	--	--	--	1.2 U	0.99 U	1.1 U	--	--
Explosives - SW8330B											
1,3,5-Trinitrobenzene	µg/L	590	--	--	--	--	0.21 U	0.23 U	0.22 U	0.24 U	--
1,3-Dinitrobenzene	µg/L	2	--	--	--	--	0.11 U	0.12 U	0.11 U	0.13 U	--
2,4,6-Trinitrotoluene (TNT)	µg/L	9.8	--	--	--	--	0.11 U	0.12 U	0.11 U	0.13 U	--
2,4-Dinitrotoluene	µg/L	2.4	--	--	--	--	0.10 U	0.11 U	0.10 U	0.12 U	--
2,6-Dinitrotoluene	µg/L	0.49	--	--	--	--	0.10 U	0.11 U	0.10 U	0.12 U	--
2-Amino-4,6-dinitrotoluene	µg/L	1.9	--	--	--	--	0.11 U	0.12 U	0.11 U	0.13 U	--
4-Amino-2,6-dinitrotoluene	µg/L	1.9	--	--	--	--	0.15 U	0.16 U	0.16 U	0.17 U	--
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	9.7	--	--	--	--	0.21 U	0.23 U	0.22 U	0.24 U	--
m-Nitrotoluene	µg/L	1.7	--	--	--	--	0.41 UJ	0.44 UJ	0.42 UJ	0.47 UJ	--
Nitrobenzene	µg/L	1.4	--	--	--	--	0.21 U	0.23 U	0.22 U	0.24 U	--
Nitroglycerin	µg/L	2.1	--	--	--	--	2.1 U	2.3 U	2.2 U	2.4 U	--
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	1,000	--	--	--	--	0.21 U	0.23 U	0.22 U	0.24 U	--
o-Nitrotoluene	µg/L	3.1	--	--	--	--	0.21 UJ	0.23 UJ	0.22 UJ	0.24 UJ	--
Pentaerythritol Tetranitrate (PETN)	µg/L	170	--	--	--	--	1.1 U	1.2 U	1.1 U	1.3 U	--
p-Nitrotoluene	µg/L	43	--	--	--	--	0.42 UJ	0.45 UJ	0.43 UJ	0.48 UJ	--
Trinitrophenylmethylnitramine (Tetryl)	µg/L	39	--	--	--	--	0.11 U	0.12 U	0.11 U	0.13 U	--

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Perchlorate - SW6850																				
Perchlorate	µg/L	14	**1.1**		**0.30**		0.20	U	0.20	U	2.0	U	0.20	U	0.20	U	0.20	U	--	
Metals, Total - SW6020B/SW7470A																				
Aluminum	µg/L	200	**220**		**99**	**J**	**550**		**640**		**260**		**3,000**		**17**	**J**	**5,800**		**3,200**	
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
Arsenic	µg/L	10	**0.91**	**J**	**0.82**	**J**	**1.8**	**J**	**2.3**	**J**	5.0	U	**1.4**	**J**	5.0	U	**1.6**	**J**	**1.2**	**J**
Barium	µg/L	2,000	**18**		**14**		**23**		**23**		**25**		**38**		**7.8**		**77**		**36**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**0.35**	**J**	1.0	U	**0.45**	**J**	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**69,000**		**50,000**		**49,000**		**40,000**		**740,000**		**34,000**		**8,300**		**42,000**		**35,000**	
Chromium	µg/L	50	3.0	U	3.0	U	**0.77**	**J**	**0.60**	**J**	**1.9**	**J**	**4.9**		3.0	U	**16**		**3.6**	
Cobalt	µg/L	50	1.0	U	1.0	U	1.0	U	1.0	U	**0.91**	**J**	**0.66**	**J**	1.0	U	**2.0**		**0.84**	**J**
Copper	µg/L	1,000	**1.4**	**J**	2.0	U	**2.0**		**2.2**		**0.77**	**J**	**1.1**	**J**	2.0	U	**2.6**		**2.2**	
Iron	µg/L	300	**130**	**J**	**63**	**J**	**330**		**360**		**190**	**J**	**1,700**		**83**	**J**	**5,000**		**2,000**	
Lead	µg/L	15	1.0	U	1.0	U	**0.32**	**J**	**0.34**	**J**	1.0	U	**2.3**		1.0	U	**2.1**		**1.2**	
Magnesium	µg/L	na	**39,000**		**65,000**		**10,000**		**8,500**		**94,000**		**4,300**		**880**		**19,000**		**7,300**	
Manganese	µg/L	50	**290**		**51**		**11**	**J+**	**11**	**J+**	**1,800**		**63**		**18**		**210**		**72**	
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U	0.20	U	0.20	UJ	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	**0.90**	**J**	3.0	U	**1.0**	**J**	3.0	U	**1.8**	**J**	**3.6**		**1.9**	**J**	**11**		**2.1**	**J**
Potassium	µg/L	na	**360**	**J**	**300**	**J**	**1,400**		**1,300**		**7,800**		**1,600**		**690**	**J**	**1,600**		**1,000**	
Selenium	µg/L	50	**8.5**		**23**		**9.7**		**13**		5.0	U	5.0	U	5.0	U	5.0	U	**3.2**	**J**
Silver	µg/L	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	µg/L	na	**1,000,000**		**810,000**		**640,000**		**670,000**		**6,200,000**		**1,300,000**		**660,000**		**530,000**		**810,000**	
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
Vanadium	µg/L	86	**6.3**		**7.0**		**13**		**15**		**2.1**	**J**	**7.2**		5.0	U	**14**		**5.9**	
Zinc	µg/L	5,000	10	U	10	U	**3.2**	**J**	**4.3**	**J**	**12**	**J-**	**8.1**	**J**	**73**		**12**		**18**	
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
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
Arsenic	µg/L	10	**0.59**	**J**	**0.88**	**J**	**1.9**	**J**	**1.5**	**J**	5.0	U	**0.70**	**J**	5.0	U	5.0	U	**0.65**	**J**
Barium	µg/L	2,000	**16**		**13**		**19**		**21**		**27**		**6.7**		**6.2**		**25**		**14**	
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
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**67,000**		**48,000**		**45,000**		**51,000**		**740,000**		**28,000**		**8,000**		**35,000**		**31,000**	
Chromium	µg/L	50	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	**0.62**	**J**
Cobalt	µg/L	50	1.0	U	1.0	U	1.0	U	1.0	U	**0.82**	**J**	1.0	U	1.0	U	1.0	U	1.0	U
Copper	µg/L	1,000	**2.6**	**J+**	2.0	U	**2.2**	**J+**	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U
Iron	µg/L	300	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U
Lead	µg/L	15	1.0	U	1.0	U	1.0	U	1.0	U	**0.28**	**J**	1.0	U	1.0	U	1.0	U	1.0	U
Magnesium	µg/L	na	**40,000**		**68,000**		**9,900**		**11,000**		**93,000**		**3,200**		**920**		**17,000**		**6,600**	
Manganese	µg/L	50	**280**		**40**		**1.6**	**J**	**0.71**	**J**	**1,700**		**15**		**17**		**25**		**1.6**	**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
Nickel	µg/L	200	**1.1**	**J**	3.0	U	3.0	U	3.0	U	3.0	UJ	3.0	U	3.0	U	**1.4**	**J**	3.0	U
Potassium	µg/L	na	**280**	**J**	**280**	**J**	**1,100**		**1,200**		**8,200**		**1,200**		**690**	**J**	**350**	**J**	**310**	**J**
Selenium	µg/L	50	**8.4**		**23**		**10**	**J**	**6.9**	**J**	5.0	U	5.0	U	5.0	U	5.0	U	**3.4**	**J**
Silver	µg/L	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	µg/L	na	**1,000,000**		**780,000**		**610,000**		**560,000**		**6,400,000**		**1,200,000**		**700,000**		**540,000**		**830,000**	
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
Vanadium	µg/L	86	**3.6**	**J**	**6.4**		**11**		**9.6**		5.0	U	**2.4**	**J**	5.0	U	**1.1**	**J**	**2.0**	**J**
Zinc	µg/L	5,000	8.0	X	10	U	10	U	10	U	10	UJ	10	U	8.0	X	10	U	10	U

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General Chemistry																				
Orthophosphate as P - EPA 365.1																				
Orthophosphate as P	µg/L	20,000	50	U	50	U	**90**	**J+**	**80**	**J+**	50	UJ	50	UJ	50	U	50	UJ	**83**	**J+**
Anions - SW9056A																				
Bromide	µg/L	na	**1,400**		**1,200**		**1,000**		**940**		5,000	UJ	500	U	**280**	**J**	**570**		**300**	**J**
Chloride	µg/L	250,000	**410,000**		**300,000**		**180,000**		**180,000**		**11,000,000**	**J+**	**530,000**		**80,000**		**130,000**		**57,000**	
Fluoride	µg/L	1,600	**1,200**		**350**	**J**	**3,100**		**3,800**		10,000	UJ	**960**	**J**	**640**	**J**	**1,700**		**810**	**J**
Nitrate as N	µg/L	10,000	**8,300**		**10,000**		**200**	**J**	**380**	**J**	5,000	UJ	**330**	**J**	**93**	**J**	500	U	**3,200**	
Nitrite as N	µg/L	1,000	500	U	500	U	**130**	**J**	500	U	5,000	UJ	500	U	500	U	500	U	500	U
Sulfate	µg/L	250,000	**1,200,000**		**860,000**		**520,000**		**550,000**		**1,300,000**		**1,800,000**		**1,000,000**		**550,000**		**880,000**	

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 Samples Collected September and October 2024

SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	MW02102024		MW23102024		MW24102024		FDUP02-102024*		MW28102024		MW32102024		TMW16102024		TMW18102024	
DATE SAMPLED:			10/01/2024		09/30/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024		09/30/2024		09/30/2024	
LAB SAMPLE ID:			280-197491-12 280-197419-32		280-197419-14		280-197419-7		280-197419-5		280-197419-3 280-197419-27		280-197419-17 280-197341-4		280-197419-15		280-197419-19 280-197341-6	
	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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,1-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
1,2,3-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
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
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
1,2,4-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
1,2-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
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
1,2-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
1,2-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
1,2-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
1,3,5-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
1,3-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
1,3-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
1,4-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
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
2-Butanone (MEK)	µg/L	5,600	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
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
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
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
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
Acetone	µg/L	18,000	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
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
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
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
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
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

Fort Wingate Depot Activity Northern Area
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DATE SAMPLED:			10/01/2024		09/30/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024		09/30/2024		09/30/2024	
LAB SAMPLE ID:			280-197491-12 280-197419-32		280-197419-14		280-197419-7		280-197419-5		280-197419-3 280-197419-27		280-197419-17 280-197341-4		280-197419-15		280-197419-19 280-197341-6	
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
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
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
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
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
Chloromethane	µg/L	190	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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LAB SAMPLE ID:			280-197491-12 280-197419-32		280-197419-14	280-197419-7	280-197419-5	280-197419-3 280-197419-27		280-197419-17 280-197341-4		280-197419-15		280-197419-19 280-197341-6
Semivolatile Organics - SW8270E														
2,2'-Oxybis (1-chloropropane)	µg/L	710	9.8	UJ	--	--	--	10	UJ	9.3	UJ	10	UJ	--
2,4,5-Trichlorophenol	µg/L	1,200	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2,4,6-Trichlorophenol	µg/L	12	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2,4-Dichlorophenol	µg/L	46	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2,4-Dimethylphenol	µg/L	360	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2,4-Dinitrophenol	µg/L	39	29	U	--	--	--	30	U	28	U	30	U	--
2,4-Dinitrotoluene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2,6-Dinitrotoluene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2-Chloronaphthalene	µg/L	750	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
2-Chlorophenol	µg/L	91	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2-Methylnaphthalene	µg/L	30	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
2-Methylphenol	µg/L	930	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2-Nitroaniline	µg/L	190	9.8	U	--	--	--	10	U	9.3	U	10	U	--
2-Nitrophenol	µg/L	na	9.8	U	--	--	--	10	U	9.3	U	10	U	--
3 & 4 Methylphenol	µg/L	370	9.8	U	--	--	--	10	U	9.3	U	10	U	--
3,3'-Dichlorobenzidine	µg/L	50	49	U	--	--	--	51	U	46	U	50	U	--
3-Nitroaniline	µg/L	38	9.8	UJ	--	--	--	10	UJ	9.3	UJ	10	UJ	--
4,6-Dinitro-2-methylphenol	µg/L	50	49	UJ	--	--	--	51	UJ	46	UJ	50	UJ	--
4-Bromophenyl phenyl ether	µg/L	na	9.8	U	--	--	--	10	U	9.3	U	10	U	--
4-Chloro-3-methylphenol	µg/L	1,400	9.8	U	--	--	--	10	U	9.3	U	10	U	--
4-Chloroaniline	µg/L	20	20	U	--	--	--	20	U	19	U	20	U	--
4-Chlorophenyl phenyl ether	µg/L	na	9.8	U	--	--	--	10	U	9.3	U	10	U	--
4-Nitroaniline	µg/L	38	9.8	U	--	--	--	10	U	9.3	U	10	U	--
4-Nitrophenol	µg/L	na	24	U	--	--	--	25	U	23	U	25	U	--
Acenaphthene	µg/L	530	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Acenaphthylene	µg/L	120	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Anthracene	µg/L	1,800	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Benzaldehyde	µg/L	190	4.9	U	--	--	--	5.1	U	4.6	U	5.0	U	--
Benz(a)anthracene	µg/L	4	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Benzo(a)pyrene	µg/L	4	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Benzo(b)fluoranthene	µg/L	4	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Benzo(g,h,i)perylene	µg/L	120	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--

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Benzo(k)fluoranthene	µg/L	25	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
bis(2-Chloroethoxy)methane	µg/L	59	9.8	U	--	--	--	10	U	9.3	U	10	U	--
bis(2-Chloroethyl)ether	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
bis(2-Ethylhexyl)phthalate	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Butyl benzyl phthalate	µg/L	160	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Caprolactam	µg/L	9,900	15	U	--	--	--	15	U	14	U	15	U	--
Carbazole	µg/L	290	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Chrysene	µg/L	250	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Dibenz(a,h)anthracene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Dibenzofuran	µg/L	7.9	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Diethyl phthalate	µg/L	15,000	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Dimethyl phthalate	µg/L	na	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Di-n-butyl phthalate	µg/L	900	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Di-n-octyl phthalate	µg/L	200	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Fluoranthene	µg/L	800	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Fluorene	µg/L	290	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Hexachlorobenzene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Hexachlorobutadiene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Hexachlorocyclopentadiene	µg/L	50	49	U	--	--	--	51	U	46	U	50	U	--
Hexachloroethane	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Indeno(1,2,3-cd)pyrene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Isophorone	µg/L	780	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Naphthalene	µg/L	30	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Nitrobenzene	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
n-Nitrosodi-n-propylamine	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
N-Nitrosodiphenylamine	µg/L	120	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Pentachlorophenol	µg/L	50	49	UJ	--	--	--	51	UJ	46	UJ	50	UJ	--
Phenanthrene	µg/L	170	3.9	U	--	--	--	4.1	U	3.7	U	4.0	U	--
Phenol	µg/L	10	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Pyrene	µg/L	120	9.8	U	--	--	--	10	U	9.3	U	10	U	--
Petroleum Hydrocarbons - SW8015D														
Gasoline Range Organics (GRO) C6-C10	µg/L	25	25	U	--	--	--	25	U	25	U	--		--
Diesel Range Organics (DRO) C10-C28	µg/L	250	**65**	**J**	--	--	--	250	U	250	U	--		--
Oil Range Organics (ORO) C20-C38	µg/L	60,200	**140**	**J**	--	--	--	500	U	500	U	--		--

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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	MW02102024	MW23102024	MW24102024	FDUP02-102024*	MW28102024	MW32102024	TMW16102024	TMW18102024
DATE SAMPLED:			10/01/2024	09/30/2024	10/01/2024	10/01/2024	10/01/2024	09/30/2024	09/30/2024	09/30/2024
LAB SAMPLE ID:			280-197491-12 280-197419-32	280-197419-14	280-197419-7	280-197419-5	280-197419-3 280-197419-27	280-197419-17 280-197341-4	280-197419-15	280-197419-19 280-197341-6
Organochlorine Pesticides - SW8081B										
4,4'-DDD	µg/L	0.32	--	--	--	--	--	--	--	--
4,4'-DDE	µg/L	0.46	--	--	--	--	--	--	--	--
4,4'-DDT	µg/L	2.3	--	--	--	--	--	--	--	--
Aldrin	µg/L	0.05	--	--	--	--	--	--	--	--
alpha-BHC	µg/L	0.072	--	--	--	--	--	--	--	--
alpha-Chlordane	µg/L	2	--	--	--	--	--	--	--	--
beta-BHC	µg/L	0.25	--	--	--	--	--	--	--	--
delta-BHC	µg/L	0.25	--	--	--	--	--	--	--	--
Dieldrin	µg/L	0.05	--	--	--	--	--	--	--	--
Endosulfan I	µg/L	100	--	--	--	--	--	--	--	--
Endosulfan II	µg/L	100	--	--	--	--	--	--	--	--
Endosulfan sulfate	µg/L	110	--	--	--	--	--	--	--	--
Endrin	µg/L	2	--	--	--	--	--	--	--	--
Endrin aldehyde	µg/L	2	--	--	--	--	--	--	--	--
Endrin ketone	µg/L	2	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	µg/L	0.2	--	--	--	--	--	--	--	--
gamma-Chlordane	µg/L	2	--	--	--	--	--	--	--	--
Heptachlor	µg/L	0.4	--	--	--	--	--	--	--	--
Heptachlor epoxide	µg/L	0.2	--	--	--	--	--	--	--	--
Methoxychlor	µg/L	40	--	--	--	--	--	--	--	--
Toxaphene	µg/L	3	--	--	--	--	--	--	--	--
PCBs - SW8082										
Aroclor 1016	µg/L	1.4	--	--	--	--	--	--	--	--
Aroclor 1221	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1232	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1242	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1248	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1254	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1260	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1262	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1268	µg/L	na	--	--	--	--	--	--	--	--
Explosives - SW8330B										
1,3,5-Trinitrobenzene	µg/L	590	--	--	--	--	0.24 U	0.23 U	--	--
1,3-Dinitrobenzene	µg/L	2	--	--	--	--	0.12 U	0.12 U	--	--
2,4,6-Trinitrotoluene (TNT)	µg/L	9.8	--	--	--	--	0.12 U	0.12 U	--	--
2,4-Dinitrotoluene	µg/L	2.4	--	--	--	--	0.11 U	0.11 U	--	--
2,6-Dinitrotoluene	µg/L	0.49	--	--	--	--	0.11 U	0.11 U	--	--
2-Amino-4,6-dinitrotoluene	µg/L	1.9	--	--	--	--	0.12 U	0.12 U	--	--
4-Amino-2,6-dinitrotoluene	µg/L	1.9	--	--	--	--	0.17 U	0.17 U	--	--
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	9.7	--	--	--	--	0.24 U	0.23 U	--	--
m-Nitrotoluene	µg/L	1.7	--	--	--	--	0.45 UJ	0.45 UJ	--	--
Nitrobenzene	µg/L	1.4	--	--	--	--	0.24 U	0.23 U	--	--
Nitroglycerin	µg/L	2.1	--	--	--	--	2.4 U	2.3 U	--	--
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	1,000	--	--	--	--	0.24 U	0.23 U	--	--
o-Nitrotoluene	µg/L	3.1	--	--	--	--	0.24 UJ	0.23 UJ	--	--
Pentaerythritol Tetranitrate (PETN)	µg/L	170	--	--	--	--	1.2 U	1.2 U	--	--
p-Nitrotoluene	µg/L	43	--	--	--	--	0.46 UJ	0.46 UJ	--	--
Trinitrophenylmethylnitramine (Tetryl)	µg/L	39	--	--	--	--	0.12 U	0.12 U	--	--

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DATE SAMPLED:			10/01/2024		09/30/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024		09/30/2024		09/30/2024	
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Perchlorate - SW6850																		
Perchlorate	µg/L	14	--		0.20	U	--		--		0.20	U	**0.25**		--		--	
Metals, Total - SW6020B/SW7470A																		
Aluminum	µg/L	200	**5,600**		**77**	**J**	**1,100**		**1,000**		**1,100**		**4,400**		**7,600**		**79**	**J**
Antimony	µg/L	6	**0.80**	**J**	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	**1.6**	**J**	**2.1**	**J**	**4.6**	**J**	**3.6**	**J**	**1.2**	**J**	**1.5**	**J**	**0.52**	**J**	5.0	U
Barium	µg/L	2,000	**83**		**220**		**1,700**		**1,300**		**41**		**66**		**57**		**11**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**94,000**		**13,000**		**40,000**		**38,000**		**76,000**		**140,000**		**7,200**		**8,100**	
Chromium	µg/L	50	**4.9**		3.0	U	**20**		**19**		**1.9**	**J**	**7.0**		**17**		**0.92**	**J**
Cobalt	µg/L	50	**1.8**		1.0	U	**1.3**		**1.3**		**0.54**	**J**	**1.7**		**2.0**		1.0	U
Copper	µg/L	1,000	**3.4**		2.0	U	**1.6**	**J**	**1.5**	**J**	**12**		**14**		**9.8**		2.0	U
Iron	µg/L	300	**4,200**		**160**	**J**	**30,000**	**J**	**22,000**	**J**	**1,300**		**3,500**		**3,900**		200	U
Lead	µg/L	15	**3.7**		1.0	U	**0.58**	**J**	**0.56**	**J**	**0.62**	**J**	**1.8**		**2.2**		1.0	U
Magnesium	µg/L	na	**20,000**		**5,900**		**11,000**		**11,000**		**18,000**		**28,000**		**2,700**		**1,200**	
Manganese	µg/L	50	**340**		**41**		**770**		**670**		**46**		**210**		**45**		3.0	U
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	**4.3**		**1.5**	**J**	**12**		**12**		**3.0**		**5.1**		**37**		3.0	U
Potassium	µg/L	na	**1,600**		**1,000**		**1,000**		**1,000**		**690**	**J**	**1,400**		**1,800**		**1,900**	
Selenium	µg/L	50	**3.3**	**J**	5.0	U	5.0	U	5.0	U	**9.9**		**110**		5.0	U	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	**0.61**	**J**	1.0	U
Sodium	µg/L	na	**590,000**		**540,000**		**260,000**		**260,000**		**1,100,000**		**1,400,000**		**550,000**		**740,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**11**		**3.5**	**J**	**3.6**	**J**	**3.1**	**J**	**4.7**	**J**	**8.1**		**15**		**3.2**	**J**
Zinc	µg/L	5,000	**75**		**2.6**	**J**	**11**		**10**		**4.1**	**J**	**11**		**52**		**5.4**	**J**
Metals, Dissolved - SW6020B/SW7470A																		
Aluminum	µg/L	200	200	U	200	U	200	U	200	U	200	U	200	U	200	U	**51**	**J**
Antimony	µg/L	6	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Arsenic	µg/L	10	5.0	U	**1.4**	**J**	5.0	U	**0.51**	**J**	**0.76**	**J**	5.0	U	5.0	U	5.0	U
Barium	µg/L	2,000	**28**		**230**		**270**		**290**		**29**		**15**		**12**		**10**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**84,000**		**11,000**		**33,000**		**33,000**		**77,000**		**130,000**		**4,600**		**7,900**	
Chromium	µg/L	50	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
Cobalt	µg/L	50	1.0	U	1.0	U	**0.47**	**J**	**0.44**	**J**	1.0	U	1.0	U	1.0	U	1.0	U
Copper	µg/L	1,000	**1.1**	**J**	2.0	U	2.0	U	2.0	U	**6.8**	**J+**	**2.9**	**J+**	2.0	U	2.0	U
Iron	µg/L	300	200	U	200	U	**1,700**		**1,700**		200	U	200	U	200	U	200	U
Lead	µg/L	15	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Magnesium	µg/L	na	**17,000**		**6,200**		**11,000**		**10,000**		**17,000**		**26,000**		**460**		**1,200**	
Manganese	µg/L	50	**34**		**35**		**420**		**420**		**5.3**	**J+**	**29**		**3.2**	**J+**	3.0	U
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
Nickel	µg/L	200	3.0	U	**1.6**	**J**	**1.9**	**J**	3.0	U	3.0	U	3.0	U	**7.8**		3.0	U
Potassium	µg/L	na	1,000	U	**920**	**J**	**730**	**J**	**760**	**J**	**440**	**J**	**540**	**J**	**530**	**J**	**1,900**	
Selenium	µg/L	50	**3.2**	**J**	5.0	U	5.0	U	5.0	U	**11**		**110**		5.0	U	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
Sodium	µg/L	na	**590,000**		**500,000**		**270,000**		**270,000**		**1,100,000**		**1,400,000**		**500,000**		**760,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**2.1**	**J**	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	**5.9**		5.0	U
Zinc	µg/L	5,000	**22**	**J+**	10	U	10	UJ	10	UJ	10	U	10	U	10	U	10	U

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DATE SAMPLED:			10/01/2024		09/30/2024	10/01/2024	10/01/2024	10/01/2024		09/30/2024		09/30/2024	09/30/2024	
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General Chemistry														
Orthophosphate as P - EPA 365.1														
Orthophosphate as P	µg/L	20,000	50	U	--	--	--	50	U	50	UJ	--	50	UJ
Anions - SW9056A														
Bromide	µg/L	na	**260**	**J**	--	--	--	**420**	**J**	**1,000**		--	500	U
Chloride	µg/L	250,000	**43,000**		--	--	--	**170,000**		**290,000**		--	**100,000**	
Fluoride	µg/L	1,600	**440**	**J**	--	--	--	**550**	**J**	**400**	**J**	--	**2,000**	
Nitrate as N	µg/L	10,000	**540**		--	--	--	**9,000**	**J-**	**68,000**		--	500	U
Nitrite as N	µg/L	1,000	500	U	--	--	--	500	U	500	U	--	500	U
Sulfate	µg/L	250,000	**750,000**		--	--	--	**1,400,000**		**1,800,000**		--	**1,200,000**	

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.

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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	TMW19102024		TMW34102024		TMW36102024		TMW37102024		TMW44102024		TMW46102024		TMW48102024		TMW58102024	
DATE SAMPLED:			09/30/2024		10/01/2024		10/01/2024		10/01/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024	
LAB SAMPLE ID:			280-197419-16		280-197419-6 280-197419-38		280-197419-21 280-197419-28		280-197419-4 280-197419-31		280-197419-22 280-197419-30		280-197419-9 280-197419-29		280-197419-12 280-197419-40		280-197419-13 280-197341-1	
	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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,1-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
1,2,3-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
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
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
1,2,4-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
1,2-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
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
1,2-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
1,2-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
1,2-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
1,3,5-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
1,3-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
1,3-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
1,4-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
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
2-Butanone (MEK)	µg/L	5,600	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
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
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
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
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
Acetone	µg/L	18,000	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
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
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
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
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
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

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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
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
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
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
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
Chloromethane	µg/L	190	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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Semivolatile Organics - SW8270E														
2,2'-Oxybis (1-chloropropane)	µg/L	710	--	11	UJ	--	--	11	UJ	9.8	UJ	--	11	UJ
2,4,5-Trichlorophenol	µg/L	1,200	--	11	U	--	--	11	U	9.8	U	--	11	U
2,4,6-Trichlorophenol	µg/L	12	--	11	U	--	--	11	U	9.8	U	--	11	U
2,4-Dichlorophenol	µg/L	46	--	11	U	--	--	11	U	9.8	U	--	11	U
2,4-Dimethylphenol	µg/L	360	--	11	U	--	--	11	U	9.8	U	--	11	U
2,4-Dinitrophenol	µg/L	39	--	33	U	--	--	33	U	29	U	--	33	U
2,4-Dinitrotoluene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
2,6-Dinitrotoluene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
2-Chloronaphthalene	µg/L	750	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
2-Chlorophenol	µg/L	91	--	11	U	--	--	11	U	9.8	U	--	11	U
2-Methylnaphthalene	µg/L	30	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
2-Methylphenol	µg/L	930	--	11	U	--	--	11	U	9.8	U	--	11	U
2-Nitroaniline	µg/L	190	--	11	U	--	--	11	U	9.8	U	--	11	U
2-Nitrophenol	µg/L	na	--	11	U	--	--	11	U	9.8	U	--	11	U
3 & 4 Methylphenol	µg/L	370	--	11	U	--	--	11	U	9.8	U	--	11	U
3,3'-Dichlorobenzidine	µg/L	50	--	54	U	--	--	55	U	49	U	--	55	U
3-Nitroaniline	µg/L	38	--	11	UJ	--	--	11	UJ	9.8	UJ	--	11	UJ
4,6-Dinitro-2-methylphenol	µg/L	50	--	54	UJ	--	--	55	UJ	49	UJ	--	55	UJ
4-Bromophenyl phenyl ether	µg/L	na	--	11	U	--	--	11	U	9.8	U	--	11	U
4-Chloro-3-methylphenol	µg/L	1,400	--	11	U	--	--	11	U	9.8	U	--	11	U
4-Chloroaniline	µg/L	20	--	22	U	--	--	22	U	20	U	--	22	U
4-Chlorophenyl phenyl ether	µg/L	na	--	11	U	--	--	11	U	9.8	U	--	11	U
4-Nitroaniline	µg/L	38	--	11	U	--	--	11	U	9.8	U	--	11	U
4-Nitrophenol	µg/L	na	--	27	U	--	--	28	U	24	U	--	27	U
Acenaphthene	µg/L	530	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Acenaphthylene	µg/L	120	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Anthracene	µg/L	1,800	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Benzaldehyde	µg/L	190	--	5.4	U	--	--	5.5	U	4.9	U	--	5.5	U
Benz(a)anthracene	µg/L	4	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Benzo(a)pyrene	µg/L	4	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Benzo(b)fluoranthene	µg/L	4	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Benzo(g,h,i)perylene	µg/L	120	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U

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Benzo(k)fluoranthene	µg/L	25	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
bis(2-Chloroethoxy)methane	µg/L	59	--	11	U	--	--	11	U	9.8	U	--	11	U
bis(2-Chloroethyl)ether	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
bis(2-Ethylhexyl)phthalate	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Butyl benzyl phthalate	µg/L	160	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Caprolactam	µg/L	9,900	--	16	U	--	--	17	U	15	U	--	16	U
Carbazole	µg/L	290	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Chrysene	µg/L	250	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Dibenz(a,h)anthracene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Dibenzofuran	µg/L	7.9	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Diethyl phthalate	µg/L	15,000	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Dimethyl phthalate	µg/L	na	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Di-n-butyl phthalate	µg/L	900	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Di-n-octyl phthalate	µg/L	200	--	11	U	--	--	11	U	9.8	U	--	11	U
Fluoranthene	µg/L	800	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Fluorene	µg/L	290	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Hexachlorobenzene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Hexachlorobutadiene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Hexachlorocyclopentadiene	µg/L	50	--	54	U	--	--	55	U	49	U	--	55	U
Hexachloroethane	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Indeno(1,2,3-cd)pyrene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Isophorone	µg/L	780	--	11	U	--	--	11	U	9.8	U	--	11	U
Naphthalene	µg/L	30	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Nitrobenzene	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
n-Nitrosodi-n-propylamine	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
N-Nitrosodiphenylamine	µg/L	120	--	11	U	--	--	11	U	**3.4**	**J**	--	11	U
Pentachlorophenol	µg/L	50	--	54	UJ	--	--	55	UJ	49	UJ	--	55	UJ
Phenanthrene	µg/L	170	--	4.3	U	--	--	4.4	U	3.9	U	--	4.4	U
Phenol	µg/L	10	--	11	U	--	--	11	U	9.8	U	--	11	U
Pyrene	µg/L	120	--	11	U	--	--	11	U	9.8	U	--	11	U
Petroleum Hydrocarbons - SW8015D														
Gasoline Range Organics (GRO) C6-C10	µg/L	25	--	25	U	--	--	--		25	U	--	25	U
Diesel Range Organics (DRO) C10-C28	µg/L	250	--	260	U	--	--	--		240	U	--	260	U
Oil Range Organics (ORO) C20-C38	µg/L	60,200	--	520	U	--	--	--		480	U	--	520	U

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Organochlorine Pesticides - SW8081B										
4,4'-DDD	µg/L	0.32	--	--	--	--	--	--	--	--
4,4'-DDE	µg/L	0.46	--	--	--	--	--	--	--	--
4,4'-DDT	µg/L	2.3	--	--	--	--	--	--	--	--
Aldrin	µg/L	0.05	--	--	--	--	--	--	--	--
alpha-BHC	µg/L	0.072	--	--	--	--	--	--	--	--
alpha-Chlordane	µg/L	2	--	--	--	--	--	--	--	--
beta-BHC	µg/L	0.25	--	--	--	--	--	--	--	--
delta-BHC	µg/L	0.25	--	--	--	--	--	--	--	--
Dieldrin	µg/L	0.05	--	--	--	--	--	--	--	--
Endosulfan I	µg/L	100	--	--	--	--	--	--	--	--
Endosulfan II	µg/L	100	--	--	--	--	--	--	--	--
Endosulfan sulfate	µg/L	110	--	--	--	--	--	--	--	--
Endrin	µg/L	2	--	--	--	--	--	--	--	--
Endrin aldehyde	µg/L	2	--	--	--	--	--	--	--	--
Endrin ketone	µg/L	2	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	µg/L	0.2	--	--	--	--	--	--	--	--
gamma-Chlordane	µg/L	2	--	--	--	--	--	--	--	--
Heptachlor	µg/L	0.4	--	--	--	--	--	--	--	--
Heptachlor epoxide	µg/L	0.2	--	--	--	--	--	--	--	--
Methoxychlor	µg/L	40	--	--	--	--	--	--	--	--
Toxaphene	µg/L	3	--	--	--	--	--	--	--	--
PCBs - SW8082										
Aroclor 1016	µg/L	1.4	--	--	--	--	--	--	--	--
Aroclor 1221	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1232	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1242	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1248	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1254	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1260	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1262	µg/L	1	--	--	--	--	--	--	--	--
Aroclor 1268	µg/L	na	--	--	--	--	--	--	--	--
Explosives - SW8330B										
1,3,5-Trinitrobenzene	µg/L	590	--	--	0.23 U	--	--	--	0.23 U	0.22 U
1,3-Dinitrobenzene	µg/L	2	--	--	0.12 U	--	--	--	0.12 U	0.12 U
2,4,6-Trinitrotoluene (TNT)	µg/L	9.8	--	--	0.12 U	--	--	--	0.12 U	0.12 U
2,4-Dinitrotoluene	µg/L	2.4	--	--	0.11 U	--	--	--	0.11 U	0.11 U
2,6-Dinitrotoluene	µg/L	0.49	--	--	0.11 U	--	--	--	0.11 U	0.11 U
2-Amino-4,6-dinitrotoluene	µg/L	1.9	--	--	0.12 U	--	--	--	0.12 U	0.12 U
4-Amino-2,6-dinitrotoluene	µg/L	1.9	--	--	0.17 U	--	--	--	0.16 U	0.16 U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	9.7	--	--	**0.29**	--	--	--	**2.3 J**	0.22 U
m-Nitrotoluene	µg/L	1.7	--	--	0.44 UJ	--	--	--	0.43 UJ	0.42 UJ
Nitrobenzene	µg/L	1.4	--	--	0.23 U	--	--	--	0.23 U	0.22 U
Nitroglycerin	µg/L	2.1	--	--	2.3 U	--	--	--	2.3 U	2.2 U
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	µg/L	1,000	--	--	0.23 U	--	--	--	0.23 U	0.22 U
o-Nitrotoluene	µg/L	3.1	--	--	0.23 UJ	--	--	--	0.23 UJ	0.22 UJ
Pentaerythritol Tetranitrate (PETN)	µg/L	170	--	--	1.2 U	--	--	--	1.2 U	1.2 U
p-Nitrotoluene	µg/L	43	--	--	0.45 UJ	--	--	--	0.44 UJ	0.43 UJ
Trinitrophenylmethylnitramine (Tetryl)	µg/L	39	--	--	0.12 U	--	--	--	0.12 U	0.12 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]	TMW19102024		TMW34102024		TMW36102024		TMW37102024		TMW44102024		TMW46102024		TMW48102024		TMW58102024	
DATE SAMPLED:			09/30/2024		10/01/2024		10/01/2024		10/01/2024		10/01/2024		10/01/2024		10/01/2024		09/30/2024	
LAB SAMPLE ID:			280-197419-16		280-197419-6 280-197419-38		280-197419-21 280-197419-28		280-197419-4 280-197419-31		280-197419-22 280-197419-30		280-197419-9 280-197419-29		280-197419-12 280-197419-40		280-197419-13 280-197341-1	
Perchlorate - SW6850																		
Perchlorate	µg/L	14	--		**0.29**		0.20	U	0.20	U	0.20	U	0.20	U	**710**		0.20	U
Metals, Total - SW6020B/SW7470A																		
Aluminum	µg/L	200	**630**		**69**	**J**	**1,500**		**1,800**		**2,300**		**2,500**		**16**	**J**	**320**	
Antimony	µg/L	6	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Arsenic	µg/L	10	5.0	U	5.0	U	5.0	U	5.0	U	**1.2**	**J**	**0.83**	**J**	**0.70**	**J**	**1.2**	**J**
Barium	µg/L	2,000	**8.4**		**13**		**13**		**25**		**35**		**45**		**10**		**16**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**11,000**		**130,000**		**13,000**		**12,000**		**41,000**		**100,000**		**94,000**		**8,300**	
Chromium	µg/L	50	**3.5**		3.0	U	**67**		**340**		**2.8**	**J**	**2.9**	**J**	3.0	U	**0.88**	**J**
Cobalt	µg/L	50	**0.41**	**J**	1.0	U	**5.2**		**7.7**		**0.64**	**J**	**0.78**	**J**	1.0	U	1.0	U
Copper	µg/L	1,000	**0.96**	**J**	**0.88**	**J**	**19**		**7.8**		**1.2**	**J**	**1.5**	**J**	2.0	U	**1.1**	**J**
Iron	µg/L	300	**420**		**56**	**J**	**1,800**		**5,100**		**1,600**		**1,800**		200	U	**230**	
Lead	µg/L	15	**0.27**	**J**	1.0	U	**1.5**		**3.7**		**1.1**		**1.4**		1.0	U	1.0	U
Magnesium	µg/L	na	**1,200**		**27,000**		**1,400**		**1,500**		**12,000**		**23,000**		**19,000**		**980**	
Manganese	µg/L	50	**19**		**200**		**210**		**160**		**65**		**49**		**51**		**27**	
Mercury	µg/L	2	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	µg/L	200	**21**		3.0	U	**230**		**380**		**2.0**	**J**	**1.9**	**J**	3.0	U	3.0	U
Potassium	µg/L	na	**880**	**J**	**550**	**J**	**990**	**J**	**1,200**		**790**	**J**	**810**	**J**	**1,200**		**780**	**J**
Selenium	µg/L	50	5.0	U	**110**		5.0	U	5.0	U	**3.0**	**J**	**110**		**6.0**		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
Sodium	µg/L	na	**740,000**		**1,300,000**		**740,000**		**830,000**		**820,000**		**1,300,000**		**670,000**		**670,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**6.1**		**1.9**	**J**	**3.4**	**J**	**4.8**	**J**	**6.8**		**6.9**		**5.0**		**2.8**	**J**
Zinc	µg/L	5,000	**9.2**	**J**	10	U	**92**		**150**		**5.7**	**J**	**9.0**	**J**	**7.1**	**J**	**2.9**	**J**
Metals, Dissolved - SW6020B/SW7470A																		
Aluminum	µg/L	200	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U
Antimony	µg/L	6	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Arsenic	µg/L	10	5.0	U	5.0	U	5.0	U	5.0	U	**0.91**	**J**	5.0	U	5.0	U	**0.86**	**J**
Barium	µg/L	2,000	**6.8**		**12**		**7.4**		**7.8**		**15**		**8.9**		**9.3**		**13**	
Beryllium	µg/L	4	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	µg/L	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	µg/L	na	**1,400**	**J+**	**120,000**		**15,000**		**8,000**		**36,000**		**97,000**		**85,000**		**8,000**	
Chromium	µg/L	50	**1.8**	**J**	3.0	U	**2.0**	**J**	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
Cobalt	µg/L	50	1.0	U	1.0	U	**9.9**		**1.2**		1.0	U	1.0	U	1.0	U	1.0	U
Copper	µg/L	1,000	2.0	U	2.0	U	**3.4**	**J+**	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Iron	µg/L	300	200	U	200	U	**1,400**		**630**	**J+**	200	U	200	U	200	U	200	U
Lead	µg/L	15	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Magnesium	µg/L	na	**1,100**		**25,000**		**1,300**		**820**		**12,000**		**24,000**		**16,000**		**860**	
Manganese	µg/L	50	**8.3**		**130**		**400**		**43**		**1.7**	**J**	3.0	U	**53**		**21**	
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
Nickel	µg/L	200	**16**		**0.95**	**J**	**450**		**2.2**	**J**	3.0	U	3.0	U	**1.4**	**J**	3.0	U
Potassium	µg/L	na	**790**	**J**	**510**	**J**	**750**	**J**	**680**	**J**	**250**	**J**	**250**	**J**	**1,100**		**720**	**J**
Selenium	µg/L	50	5.0	U	**120**		5.0	U	5.0	U	**2.4**	**J**	**110**		**5.9**		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
Sodium	µg/L	na	**730,000**		**1,300,000**		**700,000**		**680,000**		**770,000**		**1,400,000**		**670,000**		**660,000**	
Thallium	µg/L	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vanadium	µg/L	86	**5.6**		5.0	U	5.0	U	5.0	U	**3.7**	**J**	5.0	U	**2.3**	**J**	5.0	U
Zinc	µg/L	5,000	10	U	10	U	**73**		10	U	10	U	10	U	10	U	10	U

Fort Wingate Depot Activity Northern Area
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SAMPLE ID:		PROJECT QUANTITATION LIMIT GOAL (PQLG)[1]	TMW19102024	TMW34102024	TMW36102024	TMW37102024	TMW44102024	TMW46102024	TMW48102024	TMW58102024
DATE SAMPLED:			09/30/2024	10/01/2024	10/01/2024	10/01/2024	10/01/2024	10/01/2024	10/01/2024	09/30/2024
LAB SAMPLE ID:			280-197419-16	280-197419-6 280-197419-38	280-197419-21 280-197419-28	280-197419-4 280-197419-31	280-197419-22 280-197419-30	280-197419-9 280-197419-29	280-197419-12 280-197419-40	280-197419-13 280-197341-1
General Chemistry										
Orthophosphate as P - EPA 365.1										
Orthophosphate as P	µg/L	20,000	--	50 U	50 U	50 U	**84 J+**	50 U	50 U	50 UJ
Anions - SW9056A										
Bromide	µg/L	na	--	**890**	**300 J**	**450 J**	**570**	500 U	**1,100**	**290 J**
Chloride	µg/L	250,000	--	**220,000**	**140,000**	**300,000**	**120,000**	**230,000**	**140,000**	**120,000**
Fluoride	µg/L	1,600	--	**350 J**	**730 J**	**1,400**	**1,000**	**350 J**	**340 J**	**1,400**
Nitrate as N	µg/L	10,000	--	**54,000**	500 U	**290 J**	**53,000**	**65,000**	**9,100**	**110 J**
Nitrite as N	µg/L	1,000	--	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Sulfate	µg/L	250,000	--	**1,300,000**	**1,000,000**	**760,000**	**860,000**	**1,700,000**	**940,000**	**960,000**

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:		QC01102024EB		QC30092024TB		QC01102024TB	
DATE SAMPLED:		10/01/2024		09/30/2024		10/01/2024	
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42		280-197419-41	
Volatile Organics - SW8260D	**Unit**						
1,1,1,2-Tetrachloroethane	µg/L	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	µg/L	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	µg/L	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	µg/L	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	µg/L	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	µg/L	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	µg/L	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	µg/L	4.0	U	4.0	U	4.0	U
1,2,3-Trichloropropane	µg/L	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	µg/L	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	µg/L	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	µg/L	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane (EDB)	µg/L	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	µg/L	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	µg/L	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	µg/L	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	µg/L	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	µg/L	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	µg/L	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	µg/L	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	µg/L	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	µg/L	10	U	10	U	10	U
2-Chlorotoluene	µg/L	1.0	U	1.0	U	1.0	U
2-Hexanone	µg/L	5.0	U	5.0	U	5.0	U
4-Chlorotoluene	µg/L	1.0	U	1.0	U	1.0	U
4-Isopropyltoluene	µg/L	1.0	U	1.0	U	1.0	U
4-Methyl-2-pentanone (MIBK)	µg/L	5.0	U	5.0	U	5.0	U
Acetone	µg/L	15	U	15	U	15	U
Benzene	µg/L	1.0	U	1.0	U	1.0	U
Bromobenzene	µg/L	1.0	U	1.0	U	1.0	U
Bromochloromethane	µg/L	1.0	U	1.0	U	1.0	U
Bromodichloromethane	µg/L	**0.96**	**J**	1.0	U	1.0	U
Bromoform	µg/L	2.0	U	2.0	U	2.0	U
Bromomethane	µg/L	5.0	U	5.0	U	5.0	U

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SAMPLE ID:		QC01102024EB		QC30092024TB		QC01102024TB	
DATE SAMPLED:		10/01/2024		09/30/2024		10/01/2024	
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42		280-197419-41	
Carbon disulfide	µg/L	2.0	U	2.0	U	2.0	U
Carbon tetrachloride	µg/L	1.0	U	1.0	U	1.0	U
Chlorobenzene	µg/L	1.0	U	1.0	U	1.0	U
Chloroethane	µg/L	2.0	U	2.0	U	2.0	U
Chloroform	µg/L	**7.4**		1.0	U	1.0	U
Chloromethane	µg/L	2.0	U	2.0	U	2.0	U
cis-1,2-Dichloroethene	µg/L	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	µg/L	1.0	U	1.0	U	1.0	U
Dibromochloromethane	µg/L	**0.77**	**J**	1.0	U	1.0	U
Dibromomethane	µg/L	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	µg/L	2.0	U	2.0	U	2.0	U
Ethylbenzene	µg/L	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	µg/L	2.0	U	2.0	U	2.0	U
Isopropylbenzene	µg/L	1.0	U	1.0	U	1.0	U
Methyl acetate	µg/L	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether (MTBE)	µg/L	5.0	U	5.0	U	5.0	U
Methylene chloride	µg/L	2.0	U	2.0	U	2.0	U
m-Xylene & p-Xylene	µg/L	2.0	U	2.0	U	2.0	U
Naphthalene	µg/L	3.0	U	3.0	U	3.0	U
n-Butylbenzene	µg/L	1.0	U	1.0	U	1.0	U
n-Propylbenzene	µg/L	1.0	U	1.0	U	1.0	U
o-Xylene	µg/L	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	µg/L	1.0	U	1.0	U	1.0	U
Styrene	µg/L	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	µg/L	1.0	U	1.0	U	1.0	U
Tetrachloroethene	µg/L	1.0	U	1.0	U	1.0	U
Toluene	µg/L	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	µg/L	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	µg/L	1.0	U	1.0	U	1.0	U
Trichloroethene	µg/L	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	µg/L	2.0	U	2.0	U	2.0	U
Vinyl chloride	µg/L	1.0	U	1.0	U	1.0	U

Fort Wingate Depot Activity Northern Area
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SAMPLE ID:		QC01102024EB		QC30092024TB	QC01102024TB
DATE SAMPLED:		10/01/2024		09/30/2024	10/01/2024
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42	280-197419-41
Semivolatile Organics - SW8270E					
2,2'-Oxybis (1-chloropropane)	µg/L	11	UJ	--	--
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	4.2	U	--	--
2-Chlorophenol	µg/L	11	U	--	--
2-Methylnaphthalene	µg/L	4.2	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	53	U	--	--
3-Nitroaniline	µg/L	11	UJ	--	--
4,6-Dinitro-2-methylphenol	µg/L	53	UJ	--	--
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	4.2	U	--	--
Acenaphthylene	µg/L	4.2	U	--	--
Anthracene	µg/L	4.2	U	--	--
Benz(a)anthracene	µg/L	4.2	U	--	--
Benzaldehyde	µg/L	5.3	U	--	--
Benzo(a)pyrene	µg/L	4.2	U	--	--
Benzo(b)fluoranthene	µg/L	4.2	U	--	--
Benzo(g,h,i)perylene	µg/L	4.2	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:		QC01102024EB		QC30092024TB		QC01102024TB	
DATE SAMPLED:		10/01/2024		09/30/2024		10/01/2024	
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42		280-197419-41	
Benzo(k)fluoranthene	µg/L	4.2	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	4.2	U	--		--	
Caprolactam	µg/L	16	U	--		--	
Carbazole	µg/L	4.2	U	--		--	
Chrysene	µg/L	4.2	U	--		--	
Dibenz(a,h)anthracene	µg/L	11	U	--		--	
Dibenzofuran	µg/L	4.2	U	--		--	
Diethyl phthalate	µg/L	4.2	U	--		--	
Dimethyl phthalate	µg/L	4.2	U	--		--	
Di-n-butyl phthalate	µg/L	4.2	U	--		--	
Di-n-octyl phthalate	µg/L	11	U	--		--	
Fluoranthene	µg/L	4.2	U	--		--	
Fluorene	µg/L	4.2	U	--		--	
Hexachlorobenzene	µg/L	11	U	--		--	
Hexachlorobutadiene	µg/L	11	U	--		--	
Hexachlorocyclopentadiene	µg/L	53	U	--		--	
Hexachloroethane	µg/L	11	U	--		--	
Indeno(1,2,3-cd)pyrene	µg/L	11	U	--		--	
Isophorone	µg/L	11	U	--		--	
Naphthalene	µg/L	4.2	U	--		--	
Nitrobenzene	µg/L	11	U	--		--	
n-Nitrosodi-n-propylamine	µg/L	11	U	--		--	
N-Nitrosodiphenylamine	µg/L	11	U	--		--	
Pentachlorophenol	µg/L	53	UJ	--		--	
Phenanthrene	µg/L	4.2	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	25	U
Diesel Range Organics (DRO) C10-C28	µg/L	**37**	**J**	--		--	
Oil Range Organics (ORO) C20-C38	µg/L	510	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:		QC01102024EB		QC30092024TB	QC01102024TB
DATE SAMPLED:		10/01/2024		09/30/2024	10/01/2024
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42	280-197419-41
Organochlorine Pesticides - SW8081B					
4,4'-DDD	µg/L	0.048	U	--	--
4,4'-DDE	µg/L	0.048	U	--	--
4,4'-DDT	µg/L	0.048	U	--	--
Aldrin	µg/L	0.048	U	--	--
alpha-BHC	µg/L	0.048	U	--	--
alpha-Chlordane	µg/L	0.048	U	--	--
beta-BHC	µg/L	0.048	U	--	--
delta-BHC	µg/L	0.048	U	--	--
Dieldrin	µg/L	0.048	U	--	--
Endosulfan I	µg/L	0.048	U	--	--
Endosulfan II	µg/L	0.048	U	--	--
Endosulfan sulfate	µg/L	0.048	U	--	--
Endrin	µg/L	0.048	U	--	--
Endrin aldehyde	µg/L	0.048	U	--	--
Endrin ketone	µg/L	0.048	U	--	--
gamma-BHC (Lindane)	µg/L	0.048	U	--	--
gamma-Chlordane	µg/L	0.048	U	--	--
Heptachlor	µg/L	0.048	U	--	--
Heptachlor epoxide	µg/L	0.048	U	--	--
Methoxychlor	µg/L	0.096	U	--	--
Toxaphene	µg/L	2.9	U	--	--
PCBs - SW8082					
Aroclor 1016	µg/L	0.96	UJ	--	--
Aroclor 1221	µg/L	0.96	U	--	--
Aroclor 1232	µg/L	0.96	U	--	--
Aroclor 1242	µg/L	0.96	U	--	--
Aroclor 1248	µg/L	0.96	U	--	--
Aroclor 1254	µg/L	0.96	U	--	--
Aroclor 1260	µg/L	0.96	UJ	--	--
Aroclor 1262	µg/L	0.96	U	--	--
Aroclor 1268	µg/L	0.96	U	--	--
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	0.16	U	--	--
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	µg/L	0.23	U	--	--
m-Nitrotoluene	µg/L	0.43	UJ	--	--
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	UJ	--	--
Pentaerythritol Tetranitrate (PETN)	µg/L	1.2	U	--	--
p-Nitrotoluene	µg/L	0.44	UJ	--	--
Trinitrophenylmethylnitramine (Tetryl)	µg/L	0.12	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:		QC01102024EB		QC30092024TB	QC01102024TB
DATE SAMPLED:		10/01/2024		09/30/2024	10/01/2024
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42	280-197419-41
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	--	--
Metals, Total - SW6020B/SW7470A					
Aluminum	µg/L	200	U	--	--
Antimony	µg/L	**0.56**	**J**	--	--
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	**320**		--	--
Chromium	µg/L	3.0	U	--	--
Cobalt	µg/L	1.0	U	--	--
Copper	µg/L	2.0	U	--	--
Iron	µg/L	**9.7**	**J**	--	--
Lead	µg/L	1.0	U	--	--
Magnesium	µg/L	**15**	**J**	--	--
Manganese	µg/L	**2.2**	**J**	--	--
Mercury	µg/L	0.20	U	--	--
Nickel	µg/L	3.0	U	--	--
Potassium	µg/L	1,000	U	--	--
Selenium	µg/L	5.0	U	--	--
Silver	µg/L	1.0	U	--	--
Sodium	µg/L	**3,600**		--	--
Thallium	µg/L	1.0	U	--	--
Vanadium	µg/L	5.0	U	--	--
Zinc	µg/L	10	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:		QC01102024EB		QC30092024TB	QC01102024TB
DATE SAMPLED:		10/01/2024		09/30/2024	10/01/2024
LAB SAMPLE ID:		280-197419-2 280-197419-37		280-197419-42	280-197419-41
Metals, Dissolved - SW6020B/SW7470A					
Aluminum	µg/L	**8.8**	**J**	--	--
Antimony	µg/L	**0.78**	**J**	--	--
Arsenic	µg/L	5.0	U	--	--
Barium	µg/L	**0.38**	**J**	--	--
Beryllium	µg/L	1.0	U	--	--
Cadmium	µg/L	1.0	U	--	--
Calcium	µg/L	**330**		--	--
Chromium	µg/L	3.0	U	--	--
Cobalt	µg/L	1.0	U	--	--
Copper	µg/L	**1.6**	**J**	--	--
Iron	µg/L	**14**	**J**	--	--
Lead	µg/L	1.0	U	--	--
Magnesium	µg/L	**15**	**J**	--	--
Manganese	µg/L	3.0	U	--	--
Mercury	µg/L	0.20	UJ	--	--
Nickel	µg/L	3.0	U	--	--
Potassium	µg/L	1,000	U	--	--
Selenium	µg/L	5.0	U	--	--
Silver	µg/L	1.0	U	--	--
Sodium	µg/L	**4,500**		--	--
Thallium	µg/L	1.0	U	--	--
Vanadium	µg/L	5.0	U	--	--
Zinc	µg/L	**2.0**	**J**	--	--
General Chemistry					
Orthophosphate as P - EPA 365.1					
Orthophosphate as P	µg/L	**22**	**J**	--	--
Anions - SW9056A					
Bromide	µg/L	500	U	--	--
Chloride	µg/L	3,000	U	--	--
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#: 280-197419 **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	N	See DVR
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	N	See DVR
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197419 **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	N	See DVR
VI.	Field blanks	Y	
VII.	Surrogate spikes	NA	
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#: 280-197419 **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	Y	
X.	Laboratory control samples	Y	
XI.	Lab duplicates	NA	
XII.	Internal standards	Y	
XIII.	Column Confirmation	NA	
XIV.	Compound quantitation LOQ/LOD/DL	Y	
XV	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197419 **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	Y	
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#: 280-197419 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 8260

	Validation Area	Acceptable? Y/N/NA	Comments
I.	Case narrative	Y	
II.	Sample receipt/Technical holding times	N	See DVR
III.	Instrument performance check/Tune	Y	
IV.	Initial calibration/ICV	Y	
V.	Continuing Calibration	Y	
VI.	Laboratory Blanks- MB	Y	
VI.	Field blanks	Y	
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	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#: 280-197419 **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#: 280-197419 **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	N	See DVR
VI.	Laboratory Blanks- MB	Y	
VI.	Field blanks	Y	
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	Y	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	Y	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

VALIDATION CHECKLIST

SDG#: 280-197419 **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	Y	
VIII.	Field Blanks	Y	
IX.	Matrix spike/Matrix spike duplicate	N	See DVR
X.	Laboratory control samples	N	See DVR
XI.	Lab duplicates	NA	
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#: 280-197419 **Date**: 2/14/25

Laboratory: EETA **Reviewer:** Kortney Curry

Method: 9056A & 365.1

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

VALIDATION CHECKLIST

SDG#: 280-197419 **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	N	See DVR
VII.	Surrogate spikes	Y	
VIII.	Matrix spike/Matrix spike duplicate	NA	
IX.	Laboratory control samples	Y	
X.	Field duplicates/Field triplicates	NA	
XI.	Internal standards	NA	
XII.	Compound quantitation LOQ/LOD/DL	Y	
XIII.	Target compound identification	Y	

Attachment C

ADR Summary Report

Data Review Sample Summary Report by Analysis Method

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

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Lab Reporting Batch: 280-197419-1						
Method: 365.1						
TMW36102024	280-197419-28	Water	Field_Sample	Gen Prep	10/1/2024 8:20:00 AM	S2AVE
QC01102024EB	280-197419-37	Water	Equipment_Blank	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
MW28102024MSD	280-197419-27MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
MW01102024	280-197419-33	Water	Field_Sample	Gen Prep	10/1/2024 10:30:00 AM	S2AVE
MW28102024MS	280-197419-27MS	Water	Matrix_Spike	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
FDUP01-102024	280-197419-35	Water	Field_Duplicate	Gen Prep	10/1/2024 9:30:00 AM	S2AVE
TMW44102024	280-197419-30	Water	Field_Sample	Gen Prep	10/1/2024 7:40:00 AM	S2AVE
BGMW03102024	280-197419-34	Water	Field_Sample	Gen Prep	10/1/2024 9:20:00 AM	S2AVE
TMW37102024	280-197419-31	Water	Field_Sample	Gen Prep	10/1/2024 9:40:00 AM	S2AVE
QC01102024EBMSD	280-197419-37MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
MW28102024	280-197419-27	Water	Field_Sample	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
QC01102024EBMS	280-197419-37MS	Water	Matrix_Spike	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
TMW48102024	280-197419-40	Water	Field_Sample	Gen Prep	10/1/2024 1:25:00 PM	S2AVE
TMW34102024	280-197419-38	Water	Field_Sample	Gen Prep	10/1/2024 2:25:00 PM	S2AVE
BGMW01102024	280-197419-39	Water	Field_Sample	Gen Prep	10/1/2024 12:10:00 PM	S2AVE
MW02102024	280-197419-32	Water	Field_Sample	Gen Prep	10/1/2024 9:45:00 AM	S2AVE
BGMW02102024	280-197419-36	Water	Field_Sample	Gen Prep	10/1/2024 11:30:00 AM	S2AVE
TMW46102024	280-197419-29	Water	Field_Sample	Gen Prep	10/1/2024 8:30:00 AM	S2AVE
BGMW10102024	280-197419-26	Water	Field_Sample	Gen Prep	10/1/2024 7:35:00 AM	S2AVE
Method: 6020B						
FDUP02-102024	280-197419-5	Water	Field_Duplicate	3005A	10/1/2024 2:00:00 PM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	3005A	9/30/2024 8:45:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	3005A	9/30/2024 8:10:00 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						
MW23102024	280-197419-14	Water	Field_Sample	3005A	9/30/2024 8:00:00 AM	S2AVE
TMW19102024	280-197419-16	Water	Field_Sample	3005A	9/30/2024 9:30:00 AM	S2AVE
TMW37102024	280-197419-4	Water	Field_Sample	3005A	10/1/2024 9:40:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	3020A	9/30/2024 10:20:00 AM	S2AVE
MW24102024	280-197419-7	Water	Field_Sample	3005A	10/1/2024 1:50:00 PM	S2AVE
BGMW02102024	280-197419-11	Water	Field_Sample	3020A	10/1/2024 11:30:00 AM	S2AVE
TMW36102024	280-197419-21	Water	Field_Sample	3005A	10/1/2024 8:20:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	3005A	10/1/2024 7:35:00 AM	S2AVE
MW01102024	280-197419-23	Water	Field_Sample	3005A	10/1/2024 10:30:00 AM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	3005A	9/30/2024 8:10:00 AM	S2AVE
BGMW02102024	280-197419-11	Water	Field_Sample	3005A	10/1/2024 11:30:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	3005A	10/1/2024 8:30:00 AM	S2AVE
TMW16102024	280-197419-15	Water	Field_Sample	3005A	9/30/2024 8:05:00 AM	S2AVE
TMW48102024	280-197419-12	Water	Field_Sample	3020A	10/1/2024 1:25:00 PM	S2AVE
TMW36102024	280-197419-21	Water	Field_Sample	3020A	10/1/2024 8:20:00 AM	S2AVE
MW23102024	280-197419-14	Water	Field_Sample	3020A	9/30/2024 8:00:00 AM	S2AVE
FDUP01-102024	280-197419-24	Water	Field_Duplicate	3005A	10/1/2024 9:30:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	3020A	9/30/2024 8:45:00 AM	S2AVE
MW24102024	280-197419-7	Water	Field_Sample	3020A	10/1/2024 1:50:00 PM	S2AVE
TMW44102024	280-197419-22	Water	Field_Sample	3020A	10/1/2024 7:40:00 AM	S2AVE
TMW18102024	280-197419-19	Water	Field_Sample	3005A	9/30/2024 8:55:00 AM	S2AVE
BGMW01102024	280-197419-10	Water	Field_Sample	3005A	10/1/2024 12:10:00 PM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	3020A	9/30/2024 8:10:00 AM	S2AVE
TMW19102024	280-197419-16	Water	Field_Sample	3020A	9/30/2024 9:30:00 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						
BGMW07102024	280-197419-1	Water	Field_Sample	3020A	9/30/2024 8:10:00 AM	S2AVE
TMW44102024	280-197419-22	Water	Field_Sample	3005A	10/1/2024 7:40:00 AM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	3020A	10/1/2024 8:40:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	3005A	10/1/2024 2:00:00 PM	S2AVE
FDUP01-102024	280-197419-24	Water	Field_Duplicate	3020A	10/1/2024 9:30:00 AM	S2AVE
BGMW01102024	280-197419-10	Water	Field_Sample	3020A	10/1/2024 12:10:00 PM	S2AVE
TMW34102024	280-197419-6	Water	Field_Sample	3005A	10/1/2024 2:25:00 PM	S2AVE
MW01102024	280-197419-23	Water	Field_Sample	3020A	10/1/2024 10:30:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	3005A	9/30/2024 10:20:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	3020A	10/1/2024 8:30:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	3020A	9/30/2024 10:45:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	3005A	9/30/2024 10:45:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	3020A	9/30/2024 9:50:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	3005A	9/30/2024 9:50:00 AM	S2AVE
TMW48102024	280-197419-12	Water	Field_Sample	3005A	10/1/2024 1:25:00 PM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	3020A	9/30/2024 8:10:00 AM	S2AVE
TMW16102024	280-197419-15	Water	Field_Sample	3020A	9/30/2024 8:05:00 AM	S2AVE
BGMW03102024	280-197419-25	Water	Field_Sample	3005A	10/1/2024 9:20:00 AM	S2AVE
BGMW03102024	280-197419-25	Water	Field_Sample	3020A	10/1/2024 9:20:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	3020A	10/1/2024 2:00:00 PM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	3005A	10/1/2024 8:40:00 AM	S2AVE
BGMW09102024MSD	280-197419-18MSD	Water	Matrix_Spike_Duplicate	3005A	9/30/2024 9:50:00 AM	S2AVE
TMW34102024	280-197419-6	Water	Field_Sample	3020A	10/1/2024 2:25:00 PM	S2AVE
FDUP02-102024	280-197419-5	Water	Field_Duplicate	3020A	10/1/2024 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: 6020B						
TMW18102024	280-197419-19	Water	Field_Sample	3020A	9/30/2024 8:55:00 AM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	3005A	9/30/2024 8:10:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	3020A	10/1/2024 7:35:00 AM	S2AVE
TMW37102024	280-197419-4	Water	Field_Sample	3020A	10/1/2024 9:40:00 AM	S2AVE
BGMW09102024MS	280-197419-18MS	Water	Matrix_Spike	3005A	9/30/2024 9:50:00 AM	S2AVE
Method: 6850						
TMW34102024	280-197419-6	Water	Field_Sample	Gen Prep	10/1/2024 2:25:00 PM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	Gen Prep	9/30/2024 10:20:00 AM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	Gen Prep	9/30/2024 8:10:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	Gen Prep	9/30/2024 9:50:00 AM	S2AVE
TMW36102024	280-197419-21	Water	Field_Sample	Gen Prep	10/1/2024 8:20:00 AM	S2AVE
TMW48102024	280-197419-12	Water	Field_Sample	Gen Prep	10/1/2024 1:25:00 PM	S2AVE
BGMW01102024	280-197419-10	Water	Field_Sample	Gen Prep	10/1/2024 12:10:00 PM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	Gen Prep	9/30/2024 8:45:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	Gen Prep	10/1/2024 7:35:00 AM	S2AVE
BGMW03102024	280-197419-25	Water	Field_Sample	Gen Prep	10/1/2024 9:20:00 AM	S2AVE
TMW44102024	280-197419-22	Water	Field_Sample	Gen Prep	10/1/2024 7:40:00 AM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	Gen Prep	9/30/2024 8:10:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	Gen Prep	9/30/2024 8:10:00 AM	S2AVE
TMW37102024	280-197419-4	Water	Field_Sample	Gen Prep	10/1/2024 9:40:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	Gen Prep	9/30/2024 10:45:00 AM	S2AVE
MW23102024	280-197419-14	Water	Field_Sample	Gen Prep	9/30/2024 8:00:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	Gen Prep	10/1/2024 8:30:00 AM	S2AVE
FDUP01-102024	280-197419-24	Water	Field_Duplicate	Gen Prep	10/1/2024 9:30:00 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						
QC01102024EB	280-197419-2	Water	Equipment_Blank	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
BGMW02102024	280-197419-11	Water	Field_Sample	Gen Prep	10/1/2024 11:30:00 AM	S2AVE
Method: 7470A						
TMW18102024	280-197419-19	Water	Field_Sample	7470A	9/30/2024 8:55:00 AM	S2AVE
TMW48102024	280-197419-12	Water	Field_Sample	7470A	10/1/2024 1:25:00 PM	S2AVE
MW24102024	280-197419-7	Water	Field_Sample	7470A	10/1/2024 1:50:00 PM	S2AVE
FDUP01-102024	280-197419-24	Water	Field_Duplicate	7470A	10/1/2024 9:30:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	7470A	10/1/2024 7:35:00 AM	S2AVE
TMW44102024	280-197419-22	Water	Field_Sample	7470A	10/1/2024 7:40:00 AM	S2AVE
BGMW03102024	280-197419-25	Water	Field_Sample	7470A	10/1/2024 9:20:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	7470A	9/30/2024 10:20:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	7470A	9/30/2024 8:45:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	7470A	10/1/2024 2:00:00 PM	S2AVE
MW01102024	280-197419-23	Water	Field_Sample	7470A	10/1/2024 10:30:00 AM	S2AVE
FDUP02-102024	280-197419-5	Water	Field_Duplicate	7470A	10/1/2024 2:00:00 PM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	7470A	9/30/2024 8:10:00 AM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	7470A	9/30/2024 8:10:00 AM	S2AVE
TMW34102024	280-197419-6	Water	Field_Sample	7470A	10/1/2024 2:25:00 PM	S2AVE
BGMW01102024	280-197419-10	Water	Field_Sample	7470A	10/1/2024 12:10:00 PM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	7470A	10/1/2024 8:40:00 AM	S2AVE
MW23102024	280-197419-14	Water	Field_Sample	7470A	9/30/2024 8:00:00 AM	S2AVE
TMW16102024	280-197419-15	Water	Field_Sample	7470A	9/30/2024 8:05:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	7470A	9/30/2024 10:45:00 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: 7470A						
TMW46102024	280-197419-9	Water	Field_Sample	7470A	10/1/2024 8:30:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	7470A	9/30/2024 9:50:00 AM	S2AVE
TMW19102024	280-197419-16	Water	Field_Sample	7470A	9/30/2024 9:30:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	7470A	9/30/2024 8:10:00 AM	S2AVE
BGMW02102024	280-197419-11	Water	Field_Sample	7470A	10/1/2024 11:30:00 AM	S2AVE
TMW37102024	280-197419-4	Water	Field_Sample	7470A	10/1/2024 9:40:00 AM	S2AVE
TMW36102024	280-197419-21	Water	Field_Sample	7470A	10/1/2024 8:20:00 AM	S2AVE
Method: 8015D-DRO						
TMW58102024	280-197419-13	Water	Field_Sample	3510C	9/30/2024 10:20:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	3510C	10/1/2024 8:30:00 AM	S2AVE
MW01102024	280-197419-23	Water	Field_Sample	3510C	10/1/2024 10:30:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	3510C	9/30/2024 10:45:00 AM	S2AVE
TMW34102024	280-197419-6	Water	Field_Sample	3510C	10/1/2024 2:25:00 PM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	3510C	10/1/2024 2:00:00 PM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	3510C	10/1/2024 8:40:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	3510C	9/30/2024 8:45:00 AM	S2AVE
Method: 8015D-GRO						
MW01102024	280-197419-23	Water	Field_Sample	Gen Prep	10/1/2024 10:30:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	Gen Prep	9/30/2024 8:45:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	Gen Prep	9/30/2024 10:45:00 AM	S2AVE
QC01102024TB	280-197419-41	Water	Trip_Blank	Gen Prep	10/1/2024 8:00:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	Gen Prep	10/1/2024 8:30:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	Gen Prep	9/30/2024 10:20:00 AM	S2AVE
TMW34102024	280-197419-6	Water	Field_Sample	Gen Prep	10/1/2024 2:25:00 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-GRO						
QC01102024EB	280-197419-2	Water	Equipment_Blank	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
QC30092024TB	280-197419-42	Water	Trip_Blank	Gen Prep	9/30/2024 8:00:00 AM	S2AVE
Method: 8081B						
QC01102024EB	280-197419-2	Water	Equipment_Blank	3510C	10/1/2024 2:00:00 PM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	3510C	9/30/2024 8:10:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	3510C	9/30/2024 9:50:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	3510C	9/30/2024 8:10:00 AM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	3510C	9/30/2024 8:10:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	3510C	10/1/2024 7:35:00 AM	S2AVE
Method: 8082A						
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	3510C	9/30/2024 8:10:00 AM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	3510C	9/30/2024 8:10:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	3510C	9/30/2024 8:10:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	3510C	10/1/2024 2:00:00 PM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	3510C	10/1/2024 7:35:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	3510C	9/30/2024 9:50:00 AM	S2AVE
Method: 8260D						
MW28102024	280-197419-3	Water	Field_Sample	5030B	10/1/2024 8:40:00 AM	S2AVE
FDUP01-102024	280-197419-24	Water	Field_Duplicate	5030B	10/1/2024 9:30:00 AM	S2AVE
TMW36102024	280-197419-21	Water	Field_Sample	5030B	10/1/2024 8:20:00 AM	S2AVE
BGMW01102024	280-197419-10	Water	Field_Sample	5030B	10/1/2024 12:10:00 PM	S2AVE
MW23102024	280-197419-14	Water	Field_Sample	5030B	9/30/2024 8:00:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	5030B	9/30/2024 8:45:00 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						
TMW44102024	280-197419-22	Water	Field_Sample	5030B	10/1/2024 7:40:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	5030B	9/30/2024 8:10:00 AM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	5030B	9/30/2024 8:10:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	5030B	9/30/2024 10:20:00 AM	S2AVE
BGMW03102024	280-197419-25	Water	Field_Sample	5030B	10/1/2024 9:20:00 AM	S2AVE
MW24102024	280-197419-7	Water	Field_Sample	5030B	10/1/2024 1:50:00 PM	S2AVE
TMW37102024	280-197419-4	Water	Field_Sample	5030B	10/1/2024 9:40:00 AM	S2AVE
QC01102024TB	280-197419-41	Water	Trip_Blank	5030B	10/1/2024 8:00:00 AM	S2AVE
TMW48102024	280-197419-12	Water	Field_Sample	5030B	10/1/2024 1:25:00 PM	S2AVE
MW01102024	280-197419-23	Water	Field_Sample	5030B	10/1/2024 10:30:00 AM	S2AVE
FDUP02-102024	280-197419-5	Water	Field_Duplicate	5030B	10/1/2024 2:00:00 PM	S2AVE
TMW18102024	280-197419-19	Water	Field_Sample	5030B	9/30/2024 8:55:00 AM	S2AVE
TMW19102024	280-197419-16	Water	Field_Sample	5030B	9/30/2024 9:30:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	5030B	9/30/2024 9:50:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	5030B	10/1/2024 2:00:00 PM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	5030B	9/30/2024 10:45:00 AM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	5030B	9/30/2024 8:10:00 AM	S2AVE
TMW34102024	280-197419-6	Water	Field_Sample	5030B	10/1/2024 2:25:00 PM	S2AVE
BGMW02102024	280-197419-11	Water	Field_Sample	5030B	10/1/2024 11:30:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	5030B	10/1/2024 7:35:00 AM	S2AVE
TMW16102024	280-197419-15	Water	Field_Sample	5030B	9/30/2024 8:05:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	5030B	10/1/2024 8:30:00 AM	S2AVE
QC30092024TB	280-197419-42	Water	Trip_Blank	5030B	9/30/2024 8:00:00 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: 8270E						
TMW34102024	280-197419-6	Water	Field_Sample	3510C	10/1/2024 2:25:00 PM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	3510C	9/30/2024 8:10:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	3510C	9/30/2024 8:45:00 AM	S2AVE
TMW16102024	280-197419-15	Water	Field_Sample	3510C	9/30/2024 8:05:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	3510C	9/30/2024 10:20:00 AM	S2AVE
MW01102024	280-197419-23	Water	Field_Sample	3510C	10/1/2024 10:30:00 AM	S2AVE
TMW46102024	280-197419-9	Water	Field_Sample	3510C	10/1/2024 8:30:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	3510C	9/30/2024 8:10:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	3510C	9/30/2024 9:50:00 AM	S2AVE
TMW44102024	280-197419-22	Water	Field_Sample	3510C	10/1/2024 7:40:00 AM	S2AVE
BGMW10102024	280-197419-8	Water	Field_Sample	3510C	10/1/2024 7:35:00 AM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	3510C	9/30/2024 8:10:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	3510C	10/1/2024 2:00:00 PM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	3510C	9/30/2024 10:45:00 AM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	3510C	10/1/2024 8:40:00 AM	S2AVE
Method: 8321B						
QC01102024EBMSD	280-197419-2MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
QC01102024EBMS	280-197419-2MS	Water	Matrix_Spike	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
Method: 8330B						
TMW36102024	280-197419-21	Water	Field_Sample	3535	10/1/2024 8:20:00 AM	S2AVE
BGMW07102024MS	280-197419-1MS	Water	Matrix_Spike	3535	9/30/2024 8:10:00 AM	S2AVE
MW28102024	280-197419-3	Water	Field_Sample	3535	10/1/2024 8:40:00 AM	S2AVE
QC01102024EB	280-197419-2	Water	Equipment_Blank	3535	10/1/2024 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						
BGMW10102024	280-197419-8	Water	Field_Sample	3535	10/1/2024 7:35:00 AM	S2AVE
TMW58102024	280-197419-13	Water	Field_Sample	3535	9/30/2024 10:20:00 AM	S2AVE
MW32102024	280-197419-17	Water	Field_Sample	3535	9/30/2024 8:45:00 AM	S2AVE
BGMW07102024	280-197419-1	Water	Field_Sample	3535	9/30/2024 8:10:00 AM	S2AVE
BGMW09102024	280-197419-18	Water	Field_Sample	3535	9/30/2024 9:50:00 AM	S2AVE
TMW48102024	280-197419-12	Water	Field_Sample	3535	10/1/2024 1:25:00 PM	S2AVE
BGMW07102024MSD	280-197419-1MSD	Water	Matrix_Spike_Duplicate	3535	9/30/2024 8:10:00 AM	S2AVE
BGMW12102024	280-197419-20	Water	Field_Sample	3535	9/30/2024 10:45:00 AM	S2AVE
Method: 9056A						
TMW46102024	280-197419-29	Water	Field_Sample	Gen Prep	10/1/2024 8:30:00 AM	S2AVE
BGMW01102024	280-197419-39	Water	Field_Sample	Gen Prep	10/1/2024 12:10:00 PM	S2AVE
TMW36102024	280-197419-28	Water	Field_Sample	Gen Prep	10/1/2024 8:20:00 AM	S2AVE
TMW48102024MS	280-197419-40MS	Water	Matrix_Spike	Gen Prep	10/1/2024 1:25:00 PM	S2AVE
BGMW03102024	280-197419-34	Water	Field_Sample	Gen Prep	10/1/2024 9:20:00 AM	S2AVE
TMW48102024	280-197419-40	Water	Field_Sample	Gen Prep	10/1/2024 1:25:00 PM	S2AVE
FDUP01-102024	280-197419-35	Water	Field_Duplicate	Gen Prep	10/1/2024 9:30:00 AM	S2AVE
TMW37102024	280-197419-31	Water	Field_Sample	Gen Prep	10/1/2024 9:40:00 AM	S2AVE
TMW44102024	280-197419-30	Water	Field_Sample	Gen Prep	10/1/2024 7:40:00 AM	S2AVE
MW02102024	280-197419-32	Water	Field_Sample	Gen Prep	10/1/2024 9:45:00 AM	S2AVE
BGMW02102024	280-197419-36	Water	Field_Sample	Gen Prep	10/1/2024 11:30:00 AM	S2AVE
MW28102024	280-197419-27	Water	Field_Sample	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
TMW37102024DUP	280-197419-31DUP	Water	Duplicate	Gen Prep	10/1/2024 9:40:00 AM	S2AVE
MW28102024DUP	280-197419-27DUP	Water	Duplicate	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
MW01102024	280-197419-33	Water	Field_Sample	Gen Prep	10/1/2024 10:30:00 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: 9056A						
QC01102024EB	280-197419-37	Water	Equipment_Blank	Gen Prep	10/1/2024 2:00:00 PM	S2AVE
BGMW10102024	280-197419-26	Water	Field_Sample	Gen Prep	10/1/2024 7:35:00 AM	S2AVE
TMW37102024MS	280-197419-31MS	Water	Matrix_Spike	Gen Prep	10/1/2024 9:40:00 AM	S2AVE
TMW34102024	280-197419-38	Water	Field_Sample	Gen Prep	10/1/2024 2:25:00 PM	S2AVE
TMW48102024MSD	280-197419-40MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/1/2024 1:25:00 PM	S2AVE
MW28102024MSD	280-197419-27MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
TMW48102024DUP	280-197419-40DUP	Water	Duplicate	Gen Prep	10/1/2024 1:25:00 PM	S2AVE
MW28102024MS	280-197419-27MS	Water	Matrix_Spike	Gen Prep	10/1/2024 8:40:00 AM	S2AVE
TMW37102024MSD	280-197419-31MSD	Water	Matrix_Spike_Duplicate	Gen Prep	10/1/2024 9:40:00 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

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: 280-197419-1

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate

Laboratory: TAL DEN

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	A
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: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

No Data Review Qualifiers Applie

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 7470A Preparation Method: 7470A

Matrix: Water

Sample ID	Type	Actual	Criteria	Units	Flag
BGMW01102024 (Initial/DIS)	Sampling To Analysis	37.00	28.00	DAYS	J- (all detects)
BGMW02102024 (Initial/DIS)		37.00	28.00	DAYS	UJ (all non-detects)
BGMW03102024 (Initial/DIS)		37.00	28.00	DAYS	
BGMW07102024 (Initial/DIS)		38.00	28.00	DAYS	
BGMW07102024MS (Initial/DIS)		38.00	28.00	DAYS	
BGMW07102024MSD (Initial/DIS)		38.00	28.00	DAYS	
BGMW09102024 (Initial/DIS)		38.00	28.00	DAYS	
BGMW10102024 (Initial/DIS)		37.00	28.00	DAYS	
BGMW12102024 (Initial/DIS)		38.00	28.00	DAYS	
FDUP01-102024 (Initial/DIS)		37.00	28.00	DAYS	
FDUP02-102024 (Initial/DIS)		37.00	28.00	DAYS	
MW01102024 (Initial/DIS)		37.00	28.00	DAYS	
MW23102024 (Initial/DIS)		38.00	28.00	DAYS	
MW24102024 (Initial/DIS)		37.00	28.00	DAYS	
MW28102024 (Initial/DIS)		37.00	28.00	DAYS	
MW32102024 (Initial/DIS)		38.00	28.00	DAYS	
QC01102024EB (Initial/DIS)		37.00	28.00	DAYS	
TMW16102024 (Initial/DIS)		38.00	28.00	DAYS	
TMW18102024 (Initial/DIS)		38.00	28.00	DAYS	
TMW19102024 (Initial/DIS)		38.00	28.00	DAYS	
TMW34102024 (Initial/DIS)		37.00	28.00	DAYS	
TMW36102024 (Initial/DIS)		37.00	28.00	DAYS	
TMW37102024 (Initial/DIS)		37.00	28.00	DAYS	
TMW44102024 (Initial/DIS)		37.00	28.00	DAYS	
TMW46102024 (Initial/DIS)		37.00	28.00	DAYS	
TMW48102024 (Initial/DIS)		37.00	28.00	DAYS	
TMW58102024 (Initial/DIS)		38.00	28.00	DAYS	

Method: 9056A Preparation Method: 7470A

Matrix: Water

Sample ID	Type	Actual	Criteria	Units	Flag
BGMW03102024 (Initial/TOT)	Sampling To Analysis	61.75	48.00	HOURS	J-(all detects)
MW28102024 (Initial/TOT)		77.25	48.00	HOURS	UJ(all non-detects)

Project Name and Number: Fort Wingate Depot

Trip Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1

Laboratory: TAL DEN

EDD Filename: 280-197419-1_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: 280-197419-1

Laboratory: TAL DEN

EDD Filename:
280-197419-1_52_2a_ParsonsFtWingate_rev7_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: **365.1**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
QC01102024EB(Initial/TOT)	10/1/2024 2:00:00 PM	Orthophosphate as P	22 ug/L	BGMW01102024 BGMW02102024 BGMW03102024 BGMW07102024 BGMW09102024 BGMW10102024 BGMW12102024 FDUP01-102024 FDUP02-102024 MW01102024 MW02102024 MW23102024 MW24102024 MW28102024 MW32102024 TMW16102024 TMW18102024 TMW19102024 TMW34102024 TMW36102024 TMW37102024 TMW44102024 TMW46102024 TMW48102024 TMW58102024

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
BGMW01102024(Initial/TOT)	Orthophosphate as P	37 ug/L	50U ug/L
BGMW02102024(Initial/TOT)	Orthophosphate as P	39 ug/L	50U ug/L
BGMW03102024(Initial/TOT)	Orthophosphate as P	90 ug/L	90U ug/L
BGMW10102024(Initial/TOT)	Orthophosphate as P	25 ug/L	50U ug/L
FDUP01-102024(Initial/TOT)	Orthophosphate as P	80 ug/L	80U ug/L
MW01102024(Initial/TOT)	Orthophosphate as P	83 ug/L	83U ug/L
MW02102024(Initial/TOT)	Orthophosphate as P	37 ug/L	50U ug/L
MW28102024(Initial/TOT)	Orthophosphate as P	49 ug/L	50U ug/L
TMW34102024(Initial/TOT)	Orthophosphate as P	35 ug/L	50U ug/L
TMW36102024(Initial/TOT)	Orthophosphate as P	24 ug/L	50U ug/L
TMW37102024(Initial/TOT)	Orthophosphate as P	23 ug/L	50U ug/L
TMW44102024(Initial/TOT)	Orthophosphate as P	84 ug/L	84U ug/L
TMW46102024(Initial/TOT)	Orthophosphate as P	26 ug/L	50U ug/L
TMW48102024(Initial/TOT)	Orthophosphate as P	45 ug/L	50U ug/L

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1

Laboratory: TAL DEN

EDD Filename:
280-197419-1_52_2a_ParsonsFtWingate_rev7_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: **6020B**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
QC01102024EB(Initial/DIS)	10/1/2024 2:00:00 PM	ALUMINUM ANTIMONY BARIUM CALCIUM COPPER IRON MAGNESIUM SODIUM ZINC	8.8 ug/L 0.78 ug/L 0.38 ug/L 330 ug/L 1.6 ug/L 14 ug/L 15 ug/L 4500 ug/L 2 ug/L	BGMW01102024 BGMW02102024 BGMW03102024 BGMW07102024 BGMW09102024 BGMW10102024 BGMW12102024 FDUP01-102024 FDUP02-102024 MW01102024 MW02102024 MW23102024 MW24102024 MW28102024 MW32102024 TMW16102024 TMW18102024 TMW19102024 TMW34102024 TMW36102024 TMW37102024 TMW44102024 TMW46102024 TMW48102024 TMW58102024
QC01102024EB(Initial/TOT)	10/1/2024 2:00:00 PM	ANTIMONY CALCIUM IRON MAGNESIUM MANGANESE SODIUM	0.56 ug/L 320 ug/L 9.7 ug/L 15 ug/L 2.2 ug/L 3600 ug/L	BGMW01102024 BGMW02102024 BGMW03102024 BGMW07102024 BGMW09102024 BGMW10102024 BGMW12102024 FDUP01-102024 FDUP02-102024 MW01102024 MW02102024 MW23102024 MW24102024 MW28102024 MW32102024 TMW16102024 TMW18102024 TMW19102024 TMW34102024 TMW36102024 TMW37102024 TMW44102024 TMW46102024 TMW48102024 TMW58102024

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
BGMW01102024(Initial/DIS)	ALUMINUM	9.7 ug/L	200U ug/L
BGMW01102024(Initial/DIS)	COPPER	2.6 ug/L	2.6U ug/L
BGMW01102024(Initial/DIS)	IRON	12 ug/L	200U ug/L
BGMW02102024(Initial/DIS)	COPPER	0.80 ug/L	2.0U ug/L
BGMW02102024(Initial/DIS)	IRON	9.4 ug/L	200U ug/L

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

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename:
280-197419-1_52_2a_ParsonsFtWingate_rev7_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **6020B**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples

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
BGMW02102024(Initial/DIS)	ZINC	3.5 ug/L	10U ug/L
BGMW03102024(Initial/DIS)	COPPER	2.2 ug/L	2.2U ug/L
BGMW03102024(Initial/TOT)	MANGANESE	11 ug/L	11U ug/L
BGMW07102024(Initial/DIS)	IRON	28 ug/L	200U ug/L
BGMW07102024(Initial/DIS)	ZINC	2.9 ug/L	10U ug/L
BGMW09102024(Initial/DIS)	IRON	23 ug/L	200U ug/L
BGMW09102024(Initial/DIS)	ZINC	2.1 ug/L	10U ug/L
BGMW10102024(Initial/DIS)	IRON	30 ug/L	200U ug/L
BGMW12102024(Initial/DIS)	IRON	34 ug/L	200U ug/L
FDUP01-102024(Initial/DIS)	COPPER	1.9 ug/L	2.0U ug/L
FDUP01-102024(Initial/TOT)	MANGANESE	11 ug/L	11U ug/L
FDUP02-102024(Initial/DIS)	ZINC	5.1 ug/L	10U ug/L
MW01102024(Initial/DIS)	COPPER	1.6 ug/L	2.0U ug/L
MW01102024(Initial/DIS)	ZINC	6.5 ug/L	10U ug/L
MW23102024(Initial/DIS)	IRON	47 ug/L	200U ug/L
MW23102024(Initial/DIS)	ZINC	2.8 ug/L	10U ug/L
MW24102024(Initial/DIS)	ZINC	2.5 ug/L	10U ug/L
MW28102024(Initial/DIS)	ALUMINUM	13 ug/L	200U ug/L
MW28102024(Initial/DIS)	ANTIMONY	0.47 ug/L	2.0U ug/L
MW28102024(Initial/DIS)	COPPER	6.8 ug/L	6.8U ug/L
MW28102024(Initial/DIS)	IRON	67 ug/L	200U ug/L
MW28102024(Initial/DIS)	ZINC	9.1 ug/L	10U ug/L
MW32102024(Initial/DIS)	ALUMINUM	17 ug/L	200U ug/L
MW32102024(Initial/DIS)	COPPER	2.9 ug/L	2.9U ug/L
MW32102024(Initial/DIS)	IRON	18 ug/L	200U ug/L
MW32102024(Initial/DIS)	ZINC	2.1 ug/L	10U ug/L
TMW16102024(Initial/DIS)	ALUMINUM	9.5 ug/L	200U ug/L
TMW16102024(Initial/DIS)	COPPER	1.5 ug/L	2.0U ug/L
TMW16102024(Initial/DIS)	IRON	14 ug/L	200U ug/L
TMW16102024(Initial/DIS)	ZINC	10 ug/L	10U ug/L
TMW18102024(Initial/DIS)	IRON	40 ug/L	200U ug/L
TMW18102024(Initial/DIS)	ZINC	3.0 ug/L	10U ug/L
TMW18102024(Initial/TOT)	IRON	35 ug/L	200U ug/L
TMW18102024(Initial/TOT)	MANGANESE	3.0 ug/L	3.0U ug/L
TMW19102024(Initial/DIS)	CALCIUM	1400 ug/L	1400U ug/L
TMW19102024(Initial/DIS)	COPPER	0.83 ug/L	2.0U ug/L

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename:
280-197419-1_52_2a_ParsonsFtWingate_rev7_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 6020B

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples

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
TMW19102024(Initial/DIS)	IRON	8.9 ug/L	200U ug/L
TMW19102024(Initial/DIS)	ZINC	5.0 ug/L	10U ug/L
TMW34102024(Initial/DIS)	IRON	26 ug/L	200U ug/L
TMW36102024(Initial/DIS)	COPPER	3.4 ug/L	3.4U ug/L
TMW37102024(Initial/DIS)	ALUMINUM	15 ug/L	200U ug/L
TMW37102024(Initial/DIS)	ZINC	3.4 ug/L	10U ug/L
TMW46102024(Initial/DIS)	COPPER	0.78 ug/L	2.0U ug/L
TMW46102024(Initial/DIS)	IRON	12 ug/L	200U ug/L
TMW46102024(Initial/DIS)	ZINC	2.5 ug/L	10U ug/L
TMW48102024(Initial/DIS)	COPPER	0.73 ug/L	2.0U ug/L
TMW48102024(Initial/DIS)	IRON	63 ug/L	200U ug/L
TMW48102024(Initial/DIS)	ZINC	7.7 ug/L	10U ug/L
TMW48102024(Initial/TOT)	IRON	12 ug/L	200U ug/L
TMW58102024(Initial/DIS)	IRON	34 ug/L	200U ug/L
TMW58102024(Initial/DIS)	ZINC	2.5 ug/L	10U ug/L

Method: 8015D-DRO

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
QC01102024EB(Initial/TOT)	10/1/2024 2:00:00 PM	Diesel Range Organics (DRO) C10-C28	37 ug/L	BGMW01102024 BGMW02102024 BGMW03102024 BGMW07102024 BGMW09102024 BGMW10102024 BGMW12102024 FDUP01-102024 FDUP02-102024 MW01102024 MW02102024 MW23102024 MW24102024 MW28102024 MW32102024 TMW16102024 TMW18102024 TMW19102024 TMW34102024 TMW36102024 TMW37102024 TMW44102024 TMW46102024 TMW48102024 TMW58102024

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1

Laboratory: TAL DEN

EDD Filename:
280-197419-1_52_2a_ParsonsFtWingate_rev7_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

Method: **8015D-DRO**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples

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
MW01102024(Initial/TOT)	Diesel Range Organics (DRO) C10-C28	34 ug/L	34U ug/L
MW32102024(Initial/TOT)	Diesel Range Organics (DRO) C10-C28	39 ug/L	39U ug/L

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **365.1**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-669574/12	10/2/2024 6:40:55 PM	Orthophosphate as P	19.2 ug/L	BGMW01102024 BGMW02102024 BGMW03102024 BGMW10102024 FDUP01-102024 MW01102024 MW02102024 MW28102024 QC01102024EB TMW34102024 TMW36102024 TMW37102024 TMW44102024 TMW46102024 TMW48102024
MB 280-669574/43	10/2/2024 6:54:24 PM	Orthophosphate as P	20.3 ug/L	BGMW01102024 BGMW02102024 BGMW03102024 BGMW10102024 FDUP01-102024 MW01102024 MW02102024 MW28102024 QC01102024EB TMW34102024 TMW36102024 TMW37102024 TMW44102024 TMW46102024 TMW48102024

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
BGMW01102024(Initial/TOT)	Orthophosphate as P	37 ug/L	50U ug/L
BGMW02102024(Initial/TOT)	Orthophosphate as P	39 ug/L	50U ug/L
BGMW03102024(Initial/TOT)	Orthophosphate as P	90 ug/L	90U ug/L
BGMW10102024(Initial/TOT)	Orthophosphate as P	25 ug/L	50U ug/L
FDUP01-102024(Initial/TOT)	Orthophosphate as P	80 ug/L	80U ug/L
MW01102024(Initial/TOT)	Orthophosphate as P	83 ug/L	83U ug/L
MW02102024(Initial/TOT)	Orthophosphate as P	37 ug/L	50U ug/L
MW28102024(Initial/TOT)	Orthophosphate as P	49 ug/L	50U ug/L
QC01102024EB(Initial/TOT)	Orthophosphate as P	22 ug/L	50U ug/L
TMW34102024(Initial/TOT)	Orthophosphate as P	35 ug/L	50U ug/L
TMW36102024(Initial/TOT)	Orthophosphate as P	24 ug/L	50U ug/L
TMW37102024(Initial/TOT)	Orthophosphate as P	23 ug/L	50U ug/L
TMW44102024(Initial/TOT)	Orthophosphate as P	84 ug/L	84U ug/L
TMW46102024(Initial/TOT)	Orthophosphate as P	26 ug/L	50U ug/L
TMW48102024(Initial/TOT)	Orthophosphate as P	45 ug/L	50U ug/L

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **6020B**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-669617/1-A	10/9/2024 11:47:21 AM	SILVER	0.127 ug/L	BGMW03102024 BGMW12102024 FDUP01-102024 MW01102024 TMW36102024 TMW44102024
MB 280-669619/1-A	10/12/2024 1:07:29 AM	BARIUM CALCIUM COPPER IRON SODIUM ZINC	2.22 ug/L 32.2 ug/L 0.811 ug/L 146 ug/L 176 ug/L 2.38 ug/L	BGMW01102024 BGMW02102024 BGMW07102024 BGMW09102024 BGMW10102024 BGMW12102024 FDUP02-102024 MW23102024 MW24102024 MW28102024 MW32102024 QC01102024EB TMW16102024 TMW18102024 TMW19102024 TMW34102024 TMW37102024 TMW46102024 TMW48102024 TMW58102024
MB 280-672044/1-A	10/23/2024 6:01:04 PM	BARIUM	0.684 ug/L	TMW18102024 TMW34102024

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
BGMW01102024(Initial/DIS)	COPPER	2.6 ug/L	2.6U ug/L
BGMW01102024(Initial/DIS)	IRON	12 ug/L	200U ug/L
BGMW02102024(Initial/DIS)	COPPER	0.80 ug/L	2.0U ug/L
BGMW02102024(Initial/DIS)	IRON	9.4 ug/L	200U ug/L
BGMW02102024(Initial/DIS)	ZINC	3.5 ug/L	10U ug/L
BGMW07102024(Initial/DIS)	IRON	28 ug/L	200U ug/L
BGMW07102024(Initial/DIS)	ZINC	2.9 ug/L	10U ug/L
BGMW09102024(Initial/DIS)	IRON	23 ug/L	200U ug/L
BGMW09102024(Initial/DIS)	ZINC	2.1 ug/L	10U ug/L
BGMW10102024(Initial/DIS)	IRON	30 ug/L	200U ug/L
BGMW12102024(Initial/DIS)	IRON	34 ug/L	200U ug/L
FDUP02-102024(Initial/DIS)	ZINC	5.1 ug/L	10U ug/L
MW23102024(Initial/DIS)	IRON	47 ug/L	200U ug/L
MW23102024(Initial/DIS)	ZINC	2.8 ug/L	10U ug/L
MW24102024(Initial/DIS)	ZINC	2.5 ug/L	10U ug/L
MW28102024(Initial/DIS)	IRON	67 ug/L	200U ug/L
MW28102024(Initial/DIS)	ZINC	9.1 ug/L	10U ug/L
MW32102024(Initial/DIS)	COPPER	2.9 ug/L	2.9U ug/L
MW32102024(Initial/DIS)	IRON	18 ug/L	200U ug/L

Method Blank Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 6020B

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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
MW32102024(Initial/DIS)	ZINC	2.1 ug/L	10U ug/L
QC01102024EB(Initial/DIS)	COPPER	1.6 ug/L	2.0U ug/L
QC01102024EB(Initial/DIS)	IRON	14 ug/L	200U ug/L
QC01102024EB(Initial/DIS)	ZINC	2.0 ug/L	10U ug/L
TMW16102024(Initial/DIS)	COPPER	1.5 ug/L	2.0U ug/L
TMW16102024(Initial/DIS)	IRON	14 ug/L	200U ug/L
TMW16102024(Initial/DIS)	ZINC	10 ug/L	10U ug/L
TMW18102024(Initial/DIS)	IRON	40 ug/L	200U ug/L
TMW18102024(Initial/DIS)	ZINC	3.0 ug/L	10U ug/L
TMW19102024(Initial/DIS)	COPPER	0.83 ug/L	2.0U ug/L
TMW19102024(Initial/DIS)	IRON	8.9 ug/L	200U ug/L
TMW19102024(Initial/DIS)	ZINC	5.0 ug/L	10U ug/L
TMW34102024(Initial/DIS)	IRON	26 ug/L	200U ug/L
TMW36102024(Initial/TOT)	SILVER	0.20 ug/L	1.0U ug/L
TMW37102024(Initial/DIS)	IRON	630 ug/L	630U ug/L
TMW37102024(Initial/DIS)	ZINC	3.4 ug/L	10U ug/L
TMW46102024(Initial/DIS)	COPPER	0.78 ug/L	2.0U ug/L
TMW46102024(Initial/DIS)	IRON	12 ug/L	200U ug/L
TMW46102024(Initial/DIS)	ZINC	2.5 ug/L	10U ug/L
TMW48102024(Initial/DIS)	COPPER	0.73 ug/L	2.0U ug/L
TMW48102024(Initial/DIS)	IRON	63 ug/L	200U ug/L
TMW48102024(Initial/DIS)	ZINC	7.7 ug/L	10U ug/L
TMW58102024(Initial/DIS)	IRON	34 ug/L	200U ug/L
TMW58102024(Initial/DIS)	ZINC	2.5 ug/L	10U ug/L

Method: 8015D-DRO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-669683/1-A	10/5/2024 5:49:00 AM	Oil Range Organics (ORO) C20-C38	71.4 ug/L	BGMW12102024 MW01102024 MW28102024 MW32102024 QC01102024EB TMW34102024 TMW46102024 TMW58102024

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

Method: **8330B**

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
LCS 280-669775/2-A (BGMW07102024 BGMW09102024 BGMW10102024 BGMW12102024 MW28102024 MW32102024 QC01102024EB TMW36102024 TMW48102024 TMW58102024)	m-Nitrotoluene o-Nitrotoluene p-Nitrotoluene	70 69 70	- - -	73.00-125.00 70.00-127.00 71.00-127.00	- - -	m-Nitrotoluene o-Nitrotoluene p-Nitrotoluene	J- (all detects) UJ (all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: 280-197419-1

Laboratory: TAL DEN

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_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
BGMW07102024MS (Dissolved) BGMW07102024MS (Total) BGMW07102024MSD (Dissolved) BGMW07102024MSD (Total) (BGMW07102024)	CALCIUM MAGNESIUM MANGANESE SODIUM	-1023 0.3 64 -3233	-327 135 196 505	87.00-118.00 83.00-118.00 87.00-115.00 85.00-117.00	- - - -	CALCIUM MAGNESIUM MANGANESE SODIUM	J (all detects) UJ (all non-detects)
BGMW07102024MS (Total) BGMW07102024MSD (Total) (BGMW07102024)	COPPER NICKEL SILVER ZINC	- - - 62	83 84 84 65	85.00-118.00 85.00-117.00 85.00-116.00 83.00-119.00	- - - -	COPPER NICKEL SILVER ZINC	J-(all detects) UJ(all non-detects)
BGMW07102024MS (Dissolved) BGMW07102024MSD (Dissolved) (BGMW07102024)	BERYLLIUM POTASSIUM	125 -	136 119	83.00-121.00 87.00-115.00	- -	BERYLLIUM POTASSIUM	J+(all detects)

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

Method: 7470A

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
BGMW07102024MS (Dissolved) BGMW07102024MS (Total) BGMW07102024MSD (Total) (BGMW07102024)	MERCURY	72 79	70 -	82.00-119.00 82.00-119.00	- -	MERCURY	J-(all detects) UJ(all non-detects)

Method: 8260D

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
BGMW07102024MS (BGMW07102024)	1,2,3-TRICHLOROBENZENE	65	-	69.00-129.00	-	1,2,3-TRICHLOROBENZENE	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

Method: 8270E

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
BGMW07102024MSD (BGMW07102024)	4,6-DINITRO-2-METHYLPHENOL	-	-	44.00-137.00	22 (20.00)	4,6-DINITRO-2-METHYLPHENOL	
	4-NITROPHENOL	-	-	31.00-120.00	22 (20.00)	4-NITROPHENOL	
	BENZO(A)PYRENE	-	-	54.00-128.00	22 (20.00)	BENZO(A)PYRENE	
	BENZO(G,H,I)PERYLENE	-	-	50.00-134.00	23 (20.00)	BENZO(G,H,I)PERYLENE	
	BIS(2-ETHYLHEXYL)PHTHALATE	-	-	55.00-135.00	22 (20.00)	BIS(2-ETHYLHEXYL)PHTHALATE	
	Butyl benzyl phthalate	-	-	53.00-134.00	21 (20.00)	Butyl benzyl phthalate	J(all detects)
	CHRYSENE	-	-	59.00-123.00	21 (20.00)	CHRYSENE	
	DI-N-BUTYL PHTHALATE	-	-	59.00-127.00	23 (20.00)	DI-N-BUTYL PHTHALATE	
	FLUORANTHENE	-	-	57.00-128.00	23 (20.00)	FLUORANTHENE	
	HEXACHLOROBUTADIENE	-	-	22.00-124.00	24 (20.00)	HEXACHLOROBUTADIENE	
	HEXACHLOROETHANE	-	-	21.00-115.00	21 (20.00)	HEXACHLOROETHANE	
	INDENO(1,2,3-CD)PYRENE	-	-	52.00-134.00	23 (20.00)	INDENO(1,2,3-CD)PYRENE	

Method: 8330B

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
BGMW07102024MS BGMW07102024MSD (BGMW07102024)	m-Nitrotoluene	64	-	73.00-125.00	29 (20.00)	m-Nitrotoluene	
	NITROBENZENE	-	-	65.00-134.00	21 (20.00)	NITROBENZENE	J(all detects)
	o-Nitrotoluene	64	-	70.00-127.00	28 (20.00)	o-Nitrotoluene	
	p-Nitrotoluene	66	-	71.00-127.00	28 (20.00)	p-Nitrotoluene	

Lab Duplicate Outlier Report

Lab Reporting Batch ID: 280-197419-1

Laboratory: TAL DEN

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev

eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ

No Data Review Qualifiers Applie

Field Duplicate Outlier Report

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ**

280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev

Method: 6020B

Matrix: Water

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	BGMW03102024 (Dissolved)	FDUP01-102024 (Dissolved)			
MANGANESE	1.6	0.71	77	30.00	J (all detects)
SELENIUM	10	6.9	37	30.00	UJ (all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW24102024 (Dissolved)	FDUP02-102024 (Dissolved)			
ZINC	2.5	5.1	68	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW24102024 (Total)	FDUP02-102024 (Total)			
IRON	30000	22000	31	30.00	J(all detects) UJ(all non-detects)

Method: 9056A

Matrix: Water

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	BGMW03102024	FDUP01-102024			
Nitrate as N	200	380	62	30.00	J(all detects) U(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 365.1

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
BGMW01102024	Orthophosphate as P	J	37	50	LOQ	ug/L	J (all detects)
BGMW02102024	Orthophosphate as P	J	39	50	LOQ	ug/L	J (all detects)
BGMW10102024	Orthophosphate as P	J	25	50	LOQ	ug/L	J (all detects)
MW02102024	Orthophosphate as P	J	37	50	LOQ	ug/L	J (all detects)
MW28102024	Orthophosphate as P	J	49	50	LOQ	ug/L	J (all detects)
QC01102024EB	Orthophosphate as P	J	22	50	LOQ	ug/L	J (all detects)
TMW34102024	Orthophosphate as P	J	35	50	LOQ	ug/L	J (all detects)
TMW36102024	Orthophosphate as P	J	24	50	LOQ	ug/L	J (all detects)
TMW37102024	Orthophosphate as P	J	23	50	LOQ	ug/L	J (all detects)
TMW46102024	Orthophosphate as P	J	26	50	LOQ	ug/L	J (all detects)
TMW48102024	Orthophosphate as P	J	45	50	LOQ	ug/L	J (all detects)

Method: 6020B

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
BGMW01102024	ALUMINUM	J	9.7	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.91	5.0	LOQ	ug/L	
	COPPER	J	1.4	2.0	LOQ	ug/L	
	IRON	J	130	200	LOQ	ug/L	
	NICKEL	J	1.1	3.0	LOQ	ug/L	
	POTASSIUM	J	360	1000	LOQ	ug/L	
	VANADIUM	J	3.6	5.0	LOQ	ug/L	
BGMW02102024	ALUMINUM	J	99	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.88	5.0	LOQ	ug/L	
	COPPER	J	0.80	2.0	LOQ	ug/L	
	IRON	J B	9.4	200	LOQ	ug/L	
	POTASSIUM	J	280	1000	LOQ	ug/L	
	ZINC	J	3.5	10	LOQ	ug/L	
BGMW03102024	ARSENIC	J	1.9	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.77	3.0	LOQ	ug/L	
	LEAD	J	0.32	1.0	LOQ	ug/L	
	MANGANESE	J	1.6	3.0	LOQ	ug/L	
	NICKEL	J	1.0	3.0	LOQ	ug/L	
	ZINC	J	3.2	10	LOQ	ug/L	
BGMW07102024	CHROMIUM	J	1.9	3.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.91	1.0	LOQ	ug/L	
	COPPER	J J1	0.77	2.0	LOQ	ug/L	
	IRON	J	190	200	LOQ	ug/L	
	LEAD	J	0.28	1.0	LOQ	ug/L	
	NICKEL	J J1	1.8	3.0	LOQ	ug/L	
	VANADIUM	J	2.1	5.0	LOQ	ug/L	
	ZINC	J	2.9	10	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **6020B**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
BGMW09102024	ARSENIC	J	0.70	5.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.35	1.0	LOQ	ug/L	
	COBALT	J	0.66	1.0	LOQ	ug/L	
	COPPER	J	1.1	2.0	LOQ	ug/L	
	IRON	J B	23	200	LOQ	ug/L	
	VANADIUM	J	2.4	5.0	LOQ	ug/L	
	ZINC	J	2.1	10	LOQ	ug/L	
BGMW10102024	ALUMINUM	J	17	200	LOQ	ug/L	J (all detects)
	IRON	J B	30	200	LOQ	ug/L	
	NICKEL	J	1.9	3.0	LOQ	ug/L	
	POTASSIUM	J	690	1000	LOQ	ug/L	
BGMW12102024	ARSENIC	J	1.6	5.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.45	1.0	LOQ	ug/L	
	IRON	J B	34	200	LOQ	ug/L	
	NICKEL	J	1.4	3.0	LOQ	ug/L	
	POTASSIUM	J	350	1000	LOQ	ug/L	
	VANADIUM	J	1.1	5.0	LOQ	ug/L	
FDUP01-102024	ARSENIC	J	2.3	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.60	3.0	LOQ	ug/L	
	COPPER	J	1.9	2.0	LOQ	ug/L	
	LEAD	J	0.34	1.0	LOQ	ug/L	
	MANGANESE	J	0.71	3.0	LOQ	ug/L	
	ZINC	J	4.3	10	LOQ	ug/L	
FDUP02-102024	ARSENIC	J	0.51	5.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.44	1.0	LOQ	ug/L	
	COPPER	J	1.5	2.0	LOQ	ug/L	
	LEAD	J	0.56	1.0	LOQ	ug/L	
	POTASSIUM	J	760	1000	LOQ	ug/L	
	SILVER	J	0.11	1.0	LOQ	ug/L	
	VANADIUM	J	3.1	5.0	LOQ	ug/L	
	ZINC	J	5.1	10	LOQ	ug/L	
MW01102024	ARSENIC	J	0.65	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.62	3.0	LOQ	ug/L	
	COBALT	J	0.84	1.0	LOQ	ug/L	
	COPPER	J	1.6	2.0	LOQ	ug/L	
	MANGANESE	J	1.6	3.0	LOQ	ug/L	
	NICKEL	J	2.1	3.0	LOQ	ug/L	
	POTASSIUM	J	310	1000	LOQ	ug/L	
	SELENIUM	J	3.4	5.0	LOQ	ug/L	
	VANADIUM	J	2.0	5.0	LOQ	ug/L	
	ZINC	J	6.5	10	LOQ	ug/L	
MW23102024	ALUMINUM	J	77	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	1.4	5.0	LOQ	ug/L	
	IRON	J B	47	200	LOQ	ug/L	
	NICKEL	J	1.6	3.0	LOQ	ug/L	
	POTASSIUM	J	920	1000	LOQ	ug/L	
	VANADIUM	J	3.5	5.0	LOQ	ug/L	
	ZINC	J	2.8	10	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **6020B**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
MW24102024	ARSENIC	J	4.6	5.0	LOQ	ug/L	
	COBALT	J	0.47	1.0	LOQ	ug/L	
	COPPER	J	1.6	2.0	LOQ	ug/L	
	LEAD	J	0.58	1.0	LOQ	ug/L	
	NICKEL	J	1.9	3.0	LOQ	ug/L	J (all detects)
	POTASSIUM	J	730	1000	LOQ	ug/L	
	SILVER	J	0.089	1.0	LOQ	ug/L	
	VANADIUM	J	3.6	5.0	LOQ	ug/L	
	ZINC	J	2.5	10	LOQ	ug/L	
MW28102024	ALUMINUM	J	13	200	LOQ	ug/L	
	ANTIMONY	J	0.47	2.0	LOQ	ug/L	
	ARSENIC	J	1.2	5.0	LOQ	ug/L	
	CHROMIUM	J	1.9	3.0	LOQ	ug/L	
	COBALT	J	0.54	1.0	LOQ	ug/L	
	IRON	J B	67	200	LOQ	ug/L	J (all detects)
	LEAD	J	0.62	1.0	LOQ	ug/L	
	POTASSIUM	J	690	1000	LOQ	ug/L	
	VANADIUM	J	4.7	5.0	LOQ	ug/L	
	ZINC	J	4.1	10	LOQ	ug/L	
MW32102024	ALUMINUM	J	17	200	LOQ	ug/L	
	ARSENIC	J	1.5	5.0	LOQ	ug/L	
	IRON	J B	18	200	LOQ	ug/L	J (all detects)
	POTASSIUM	J	540	1000	LOQ	ug/L	
	ZINC	J	2.1	10	LOQ	ug/L	
QC01102024EB	ALUMINUM	J	8.8	200	LOQ	ug/L	
	ANTIMONY	J	0.56	2.0	LOQ	ug/L	
	BARIUM	J	0.38	3.0	LOQ	ug/L	
	COPPER	J	1.6	2.0	LOQ	ug/L	J (all detects)
	IRON	J	9.7	200	LOQ	ug/L	
	MAGNESIUM	J	15	200	LOQ	ug/L	
	MANGANESE	J	2.2	3.0	LOQ	ug/L	
	ZINC	J	2.0	10	LOQ	ug/L	
TMW16102024	ALUMINUM	J	9.5	200	LOQ	ug/L	
	ARSENIC	J	0.52	5.0	LOQ	ug/L	
	COPPER	J	1.5	2.0	LOQ	ug/L	J (all detects)
	IRON	J B	14	200	LOQ	ug/L	
	POTASSIUM	J	530	1000	LOQ	ug/L	
	SILVER	J	0.61	1.0	LOQ	ug/L	
TMW18102024	ALUMINUM	J	51	200	LOQ	ug/L	
	CHROMIUM	J	0.92	3.0	LOQ	ug/L	
	IRON	J B	40	200	LOQ	ug/L	
	MANGANESE	J	1.2	3.0	LOQ	ug/L	J (all detects)
	SILVER	J	0.054	1.0	LOQ	ug/L	
	VANADIUM	J	3.2	5.0	LOQ	ug/L	
	ZINC	J	3.0	10	LOQ	ug/L	
TMW19102024	CHROMIUM	J	1.8	3.0	LOQ	ug/L	
	COBALT	J	0.41	1.0	LOQ	ug/L	
	COPPER	J	0.96	2.0	LOQ	ug/L	
	IRON	J B	8.9	200	LOQ	ug/L	J (all detects)
	LEAD	J	0.27	1.0	LOQ	ug/L	
	POTASSIUM	J	880	1000	LOQ	ug/L	
	SILVER	J	0.12	1.0	LOQ	ug/L	
	ZINC	J	9.2	10	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **6020B**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
TMW34102024	ALUMINUM	J	69	200	LOQ	ug/L	
	COPPER	J	0.88	2.0	LOQ	ug/L	
	IRON	J	56	200	LOQ	ug/L	
	NICKEL	J B	0.95	3.0	LOQ	ug/L	J (all detects)
	POTASSIUM	J	550	1000	LOQ	ug/L	
	SILVER	J	0.15	1.0	LOQ	ug/L	
	VANADIUM	J	1.9	5.0	LOQ	ug/L	
TMW36102024	CHROMIUM	J	2.0	3.0	LOQ	ug/L	
	POTASSIUM	J	750	1000	LOQ	ug/L	J (all detects)
	SILVER	J	0.20	1.0	LOQ	ug/L	
	VANADIUM	J	3.4	5.0	LOQ	ug/L	
TMW37102024	ALUMINUM	J	15	200	LOQ	ug/L	
	NICKEL	J	2.2	3.0	LOQ	ug/L	
	POTASSIUM	J	680	1000	LOQ	ug/L	J (all detects)
	SILVER	J	0.084	1.0	LOQ	ug/L	
	VANADIUM	J	4.8	5.0	LOQ	ug/L	
	ZINC	J	3.4	10	LOQ	ug/L	
TMW44102024	ARSENIC	J	1.2	5.0	LOQ	ug/L	
	CHROMIUM	J	2.8	3.0	LOQ	ug/L	
	COBALT	J	0.64	1.0	LOQ	ug/L	
	COPPER	J	1.2	2.0	LOQ	ug/L	
	MANGANESE	J	1.7	3.0	LOQ	ug/L	
	NICKEL	J	2.0	3.0	LOQ	ug/L	J (all detects)
	POTASSIUM	J	790	1000	LOQ	ug/L	
	SELENIUM	J	3.0	5.0	LOQ	ug/L	
	VANADIUM	J	3.7	5.0	LOQ	ug/L	
	ZINC	J	5.7	10	LOQ	ug/L	
TMW46102024	ARSENIC	J	0.83	5.0	LOQ	ug/L	
	CHROMIUM	J	2.9	3.0	LOQ	ug/L	
	COBALT	J	0.78	1.0	LOQ	ug/L	
	COPPER	J	1.5	2.0	LOQ	ug/L	
	IRON	J B	12	200	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.6	3.0	LOQ	ug/L	
	NICKEL	J	1.9	3.0	LOQ	ug/L	
	POTASSIUM	J	810	1000	LOQ	ug/L	
	ZINC	J	2.5	10	LOQ	ug/L	
TMW48102024	ALUMINUM	J	16	200	LOQ	ug/L	
	ARSENIC	J	0.70	5.0	LOQ	ug/L	
	COPPER	J	0.73	2.0	LOQ	ug/L	
	IRON	J	12	200	LOQ	ug/L	
	NICKEL	J	1.4	3.0	LOQ	ug/L	J (all detects)
	SILVER	J	0.052	1.0	LOQ	ug/L	
	VANADIUM	J	2.3	5.0	LOQ	ug/L	
	ZINC	J	7.1	10	LOQ	ug/L	
TMW58102024	ARSENIC	J	1.2	5.0	LOQ	ug/L	
	CHROMIUM	J	0.88	3.0	LOQ	ug/L	
	COPPER	J	1.1	2.0	LOQ	ug/L	
	IRON	J B	34	200	LOQ	ug/L	J (all detects)
	POTASSIUM	J	780	1000	LOQ	ug/L	
	VANADIUM	J	2.8	5.0	LOQ	ug/L	
	ZINC	J	2.9	10	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: 6850

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW46102024	PERCHLORATE	J M	0.11	0.20	LOQ	ug/L	J (all detects)

Method: 8015D-DRO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW01102024	Diesel Range Organics (DRO) C10-C28	J	34	250	LOQ	ug/L	J (all detects)
MW32102024	Diesel Range Organics (DRO) C10-C28	J	39	250	LOQ	ug/L	J (all detects)
QC01102024EB	Diesel Range Organics (DRO) C10-C28	J	37	250	LOQ	ug/L	J (all detects)

Method: 8260D

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
QC01102024EB	BROMODICHLOROMETHANE DIBROMOCHLOROMETHANE	J J	0.96 0.77	1.0 1.0	LOQ LOQ	ug/L ug/L	J (all detects)

Method: 8270E

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW46102024	N-NITROSODIPHENYLAMINE	J	3.4	9.8	LOQ	ug/L	J (all detects)

Method: 9056A

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
BGMW02102024	FLUORIDE	J	350	1000	LOQ	ug/L	J (all detects)
BGMW03102024	Nitrate as N Nitrite as N	J H J H	200 130	500 500	LOQ LOQ	ug/L ug/L	J (all detects)
BGMW10102024	BROMIDE FLUORIDE Nitrate as N	J J J	280 640 93	500 1000 500	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
FDUP01-102024	Nitrate as N	J	380	500	LOQ	ug/L	J (all detects)
MW01102024	BROMIDE FLUORIDE	J J	300 810	500 1000	LOQ LOQ	ug/L ug/L	J (all detects)
MW02102024	BROMIDE FLUORIDE	J J	260 440	500 1000	LOQ LOQ	ug/L ug/L	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method: **9056A**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
MW28102024	BROMIDE FLUORIDE	J J	420 550	500 1000	LOQ LOQ	ug/L ug/L	J (all detects)
TMW34102024	FLUORIDE	J	350	1000	LOQ	ug/L	J (all detects)
TMW36102024	BROMIDE FLUORIDE	J J	300 730	500 1000	LOQ LOQ	ug/L ug/L	J (all detects)
TMW37102024	BROMIDE Nitrate as N	J J	450 290	500 500	LOQ LOQ	ug/L ug/L	J (all detects)
TMW46102024	FLUORIDE	J	350	1000	LOQ	ug/L	J (all detects)
TMW48102024	FLUORIDE	J	340	1000	LOQ	ug/L	J (all detects)

Field QC Assignments and Associated Samples

EDD File Name: 280-197419-1
eQapp Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr

	Associated Samples	Sample Collection Date
Field QC FDUP01-102024 **QC Type:** Field_Duplicate		
	BGMW03102024	10/1/2024 9:20:00 AM
	BGMW03102024	10/1/2024 9:20:00 AM
Field QC FDUP02-102024 **QC Type:** Field_Duplicate		
	MW24102024	10/1/2024 1:50:00 PM
Field QC QC01102024EB **QC Type:** Equipment_Blank		
	BGMW10102024	10/1/2024 7:35:00 AM
	TMW58102024	9/30/2024 10:20:00 AM
	BGMW09102024	9/30/2024 9:50:00 AM
	TMW44102024	10/1/2024 7:40:00 AM
	BGMW02102024	10/1/2024 11:30:00 AM
	MW28102024	10/1/2024 8:40:00 AM
	BGMW01102024	10/1/2024 12:10:00 PM
	TMW18102024	9/30/2024 8:55:00 AM
	TMW16102024	9/30/2024 8:05:00 AM
	TMW48102024	10/1/2024 1:25:00 PM
	FDUP02-102024	10/1/2024 2:00:00 PM
	TMW19102024	9/30/2024 9:30:00 AM
	MW24102024	10/1/2024 1:50:00 PM
	BGMW07102024	9/30/2024 8:10:00 AM
	BGMW03102024	10/1/2024 9:20:00 AM
	MW32102024	9/30/2024 8:45:00 AM
	TMW46102024	10/1/2024 8:30:00 AM
	MW23102024	9/30/2024 8:00:00 AM
	MW01102024	10/1/2024 10:30:00 AM
	BGMW12102024	9/30/2024 10:45:00 AM
	TMW36102024	10/1/2024 8:20:00 AM
	TMW34102024	10/1/2024 2:25:00 PM
	TMW37102024	10/1/2024 9:40:00 AM
	FDUP01-102024	10/1/2024 9:30:00 AM

	Associated Samples	Sample Collection Date
	MW02102024	10/1/2024 9:45:00 AM
	BGMW10102024	10/1/2024 7:35:00 AM
	TMW58102024	9/30/2024 10:20:00 AM
	BGMW09102024	9/30/2024 9:50:00 AM
	TMW44102024	10/1/2024 7:40:00 AM
	BGMW02102024	10/1/2024 11:30:00 AM
	MW28102024	10/1/2024 8:40:00 AM
	BGMW01102024	10/1/2024 12:10:00 PM
	TMW18102024	9/30/2024 8:55:00 AM
	TMW16102024	9/30/2024 8:05:00 AM
	TMW48102024	10/1/2024 1:25:00 PM
	FDUP02-102024	10/1/2024 2:00:00 PM
	TMW19102024	9/30/2024 9:30:00 AM
	MW24102024	10/1/2024 1:50:00 PM
	BGMW07102024	9/30/2024 8:10:00 AM
	BGMW03102024	10/1/2024 9:20:00 AM
	MW32102024	9/30/2024 8:45:00 AM
	TMW46102024	10/1/2024 8:30:00 AM
	MW23102024	9/30/2024 8:00:00 AM
	MW01102024	10/1/2024 10:30:00 AM
	BGMW12102024	9/30/2024 10:45:00 AM
	TMW36102024	10/1/2024 8:20:00 AM
	TMW34102024	10/1/2024 2:25:00 PM
	TMW37102024	10/1/2024 9:40:00 AM
	FDUP01-102024	10/1/2024 9:30:00 AM
	MW02102024	10/1/2024 9:45:00 AM

Field QC QC01102024TB
QC Type: Trip_Blank

	BGMW10102024	10/1/2024 7:35:00 AM
	TMW44102024	10/1/2024 7:40:00 AM
	BGMW02102024	10/1/2024 11:30:00 AM
	MW28102024	10/1/2024 8:40:00 AM
	BGMW01102024	10/1/2024 12:10:00 PM
	TMW48102024	10/1/2024 1:25:00 PM
	FDUP02-102024	10/1/2024 2:00:00 PM
	MW24102024	10/1/2024 1:50:00 PM
	BGMW03102024	10/1/2024 9:20:00 AM
	TMW46102024	10/1/2024 8:30:00 AM
	MW01102024	10/1/2024 10:30:00 AM
	TMW36102024	10/1/2024 8:20:00 AM
	TMW34102024	10/1/2024 2:25:00 PM
	TMW37102024	10/1/2024 9:40:00 AM
	FDUP01-102024	10/1/2024 9:30:00 AM
	MW02102024	10/1/2024 9:45:00 AM

	Associated Samples	Sample Collection Date
Field QC Sample: QC30092024TB **QC Type:** Trip_Blank		
	TMW58102024	9/30/2024 10:20:00 AM
	BGMW09102024	9/30/2024 9:50:00 AM
	TMW18102024	9/30/2024 8:55:00 AM
	TMW16102024	9/30/2024 8:05:00 AM
	TMW19102024	9/30/2024 9:30:00 AM
	BGMW07102024	9/30/2024 8:10:00 AM
	MW32102024	9/30/2024 8:45:00 AM
	MW23102024	9/30/2024 8:00:00 AM
	BGMW12102024	9/30/2024 10:45:00 AM

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **GENCHEM**

Sample ID: **BGMW01102024** ***Collected:*** **10/1/2024 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*
Orthophosphate as P	37	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **BGMW02102024** ***Collected:*** **10/1/2024 11:30:00 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	39	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **BGMW03102024** ***Collected:*** **10/1/2024 9:20:00 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	90		40	LOD	50	LOQ	ug/L	J+	BLT/BLU, BLL/ BLM

Sample ID: **BGMW10102024** ***Collected:*** **10/1/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	25	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **FDUP01-102024** ***Collected:*** **10/1/2024 9:30:00 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	80		40	LOD	50	LOQ	ug/L	J+	BLT/BLU, BLL/ BLM

Sample ID: **MW01102024** ***Collected:*** **10/1/2024 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	83		40	LOD	50	LOQ	ug/L	J+	BLT/BLU, BLL/ BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **GENCHEM**

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*
Orthophosphate as P	37	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 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	49	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 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*
Orthophosphate as P	22	J	40	LOD	50	LOQ	ug/L	J	TR

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Orthophosphate as P	35	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **TMW36102024** ***Collected:*** **10/1/2024 8:20:00 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	24	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

Sample ID: **TMW37102024** ***Collected:*** **10/1/2024 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	23	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/ BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: GENCHEM

Sample ID: TMW44102024 **Collected:** 10/1/2024 7:40:00 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	84		40	LOD	50	LOQ	ug/L	J+	BLT/BLU, BLL/BLM

Sample ID: TMW46102024 **Collected:** 10/1/2024 8:30:00 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	26	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: TMW48102024 **Collected:** 10/1/2024 1:25:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Orthophosphate as P	45	J	40	LOD	50	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Method Category: GENCHEM

Sample ID: TMW46102024 **Collected:** 10/1/2024 8:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	0.11	J M	0.10	LOD	0.20	LOQ	ug/L	U	ICB/CCB

Method Category: GENCHEM

Sample ID: BGMW02102024 **Collected:** 10/1/2024 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	350	J	500	LOD	1000	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **GENCHEM**

Sample ID: **BGMW03102024** ***Collected:*** **10/1/2024 9:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Nitrate as N	200	J H	200	LOD	500	LOQ	ug/L	J	TR, SC1, DU1
Nitrite as N	130	J H	100	LOD	500	LOQ	ug/L	J	TR, SC1

Sample ID: **BGMW10102024** ***Collected:*** **10/1/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMIDE	280	J	500	LOD	500	LOQ	ug/L	J	TR
FLUORIDE	640	J	500	LOD	1000	LOQ	ug/L	J	TR
Nitrate as N	93	J	200	LOD	500	LOQ	ug/L	J	TR

Sample ID: **FDUP01-102024** ***Collected:*** **10/1/2024 9:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Nitrate as N	380	J	200	LOD	500	LOQ	ug/L	J	TR, DU1

Sample ID: **MW01102024** ***Collected:*** **10/1/2024 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
BROMIDE	300	J	500	LOD	500	LOQ	ug/L	J	TR
FLUORIDE	810	J	500	LOD	1000	LOQ	ug/L	J	TR

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
BROMIDE	260	J	500	LOD	500	LOQ	ug/L	J	TR
FLUORIDE	440	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMIDE	420	J	500	LOD	500	LOQ	ug/L	J	TR
FLUORIDE	550	J	500	LOD	1000	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **GENCHEM**

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **5**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Nitrate as N	9000	D H	1000	LOD	2500	LOQ	ug/L	J-	SC1

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 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	350	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **TMW36102024** ***Collected:*** **10/1/2024 8:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMIDE	300	J	500	LOD	500	LOQ	ug/L	J	TR
FLUORIDE	730	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **TMW37102024** ***Collected:*** **10/1/2024 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*
BROMIDE	450	J	500	LOD	500	LOQ	ug/L	J	TR
Nitrate as N	290	J	200	LOD	500	LOQ	ug/L	J	TR

Sample ID: **TMW46102024** ***Collected:*** **10/1/2024 8:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORIDE	350	J	500	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **TMW48102024** ***Collected:*** **10/1/2024 1:25:00 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	340	J	500	LOD	1000	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **BGMW01102024** ***Collected:*** **10/1/2024 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	9.7	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM
ARSENIC	0.59	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	2.6		1.8	LOD	2.0	LOQ	ug/L	J+	BLT/BLU, BLL/BLM
IRON	12	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
NICKEL	1.1	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	280	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	3.6	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	8.0	U Q	8.0	LOD	10	LOQ	ug/L	X	CV1

Sample ID: **BGMW01102024** ***Collected:*** **10/1/2024 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*
ARSENIC	0.91	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.4	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	130	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	0.90	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	360	J	76	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **BGMW02102024** ***Collected:*** **10/1/2024 11:30:00 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	0.88	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	0.80	J	1.8	LOD	2.0	LOQ	ug/L	U	BLT/BLU, BLL/BLM
IRON	9.4	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
POTASSIUM	280	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	3.5	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **BGMW02102024** ***Collected:*** **10/1/2024 11:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	99	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	0.82	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	63	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	300	J	76	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **BGMW03102024** ***Collected:*** **10/1/2024 9:20:00 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
COPPER	2.2		1.8	LOD	2.0	LOQ	ug/L	J+	BLL/BLM
MANGANESE	1.6	J	1.8	LOD	3.0	LOQ	ug/L	J	TR, DU1
SELENIUM	10		4.0	LOD	5.0	LOQ	ug/L	J	DU1

Sample ID: **BGMW03102024** ***Collected:*** **10/1/2024 9:20:00 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	1.8	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.77	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
LEAD	0.32	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
MANGANESE	11		1.8	LOD	3.0	LOQ	ug/L	J+	BLL/BLM
NICKEL	1.0	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
ZINC	3.2	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **BGMW07102024** ***Collected:*** **9/30/2024 8:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
COBALT	0.82	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	MD2
IRON	28	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
LEAD	0.28	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
NICKEL	1.9	U J1	1.9	LOD	3.0	LOQ	ug/L	UJ	MD2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **BGMW07102024** ***Collected:*** **9/30/2024 8:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
SILVER	0.15	U	0.15	LOD	1.0	LOQ	ug/L	UJ	MD2
ZINC	2.9	J	8.0	LOD	10	LOQ	ug/L	UJ	MD2, BLT/BLU, BLL/BLM

Sample ID: **BGMW07102024** ***Collected:*** **9/30/2024 8:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHROMIUM	1.9	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.91	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	0.77	J J1	1.8	LOD	2.0	LOQ	ug/L	J	TR, MD2
IRON	190	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	1.8	J J1	1.9	LOD	3.0	LOQ	ug/L	J	TR, MD2
SILVER	0.15	U J1	0.15	LOD	1.0	LOQ	ug/L	UJ	MD2
VANADIUM	2.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	12	J1	8.0	LOD	10	LOQ	ug/L	J-	MD2

Sample ID: **BGMW09102024** ***Collected:*** **9/30/2024 9:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ARSENIC	0.70	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	23	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
VANADIUM	2.4	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	2.1	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **BGMW09102024** ***Collected:*** **9/30/2024 9:50:00 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	1.4	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
BERYLLIUM	0.35	J	0.60	LOD	1.0	LOQ	ug/L	J	TR
COBALT	0.66	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.1	J	1.8	LOD	2.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **BGMW09102024** ***Collected:*** **9/30/2024 9:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	8.1	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **BGMW10102024** ***Collected:*** **10/1/2024 7:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	30	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
POTASSIUM	690	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	8.0	U Q	8.0	LOD	10	LOQ	ug/L	X	CV1

Sample ID: **BGMW10102024** ***Collected:*** **10/1/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	17	J	30	LOD	200	LOQ	ug/L	J	TR
IRON	83	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	1.9	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	690	J	76	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **BGMW12102024** ***Collected:*** **9/30/2024 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	34	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
NICKEL	1.4	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	350	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	1.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **BGMW12102024** ***Collected:*** **9/30/2024 10:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.6	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
BERYLLIUM	0.45	J	0.60	LOD	1.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **FDUP01-102024** ***Collected:*** **10/1/2024 9:30:00 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	1.5	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.9	J	1.8	LOD	2.0	LOQ	ug/L	U	BLL/BLM
MANGANESE	0.71	J	1.8	LOD	3.0	LOQ	ug/L	J	TR, DU1
SELENIUM	6.9		4.0	LOD	5.0	LOQ	ug/L	J	DU1

Sample ID: **FDUP01-102024** ***Collected:*** **10/1/2024 9:30:00 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	2.3	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.60	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
LEAD	0.34	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
MANGANESE	11		1.8	LOD	3.0	LOQ	ug/L	J+	BLL/BLM
ZINC	4.3	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **FDUP02-102024** ***Collected:*** **10/1/2024 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*
ARSENIC	0.51	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.44	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
POTASSIUM	760	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	5.1	J	8.0	LOD	10	LOQ	ug/L	UJ	BLT/BLU, BLL/BLM, DU1

Sample ID: **FDUP02-102024** ***Collected:*** **10/1/2024 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*
ARSENIC	3.6	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.5	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	22000		40	LOD	200	LOQ	ug/L	J	DU1
LEAD	0.56	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
SILVER	0.11	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	3.1	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **MW01102024** ***Collected:*** **10/1/2024 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	0.65	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.62	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	1.6	J	1.8	LOD	2.0	LOQ	ug/L	U	BLL/BLM
MANGANESE	1.6	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	310	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	3.4	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	2.0	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	6.5	J	8.0	LOD	10	LOQ	ug/L	U	BLL/BLM

Sample ID: **MW01102024** ***Collected:*** **10/1/2024 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	1.2	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COBALT	0.84	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
NICKEL	2.1	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
SELENIUM	3.2	J	4.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **MW23102024** ***Collected:*** **9/30/2024 8:00:00 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	1.4	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	47	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
NICKEL	1.6	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	920	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	2.8	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **MW23102024** ***Collected:*** **9/30/2024 8:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	77	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	2.1	J	2.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **MW23102024** ***Collected:*** **9/30/2024 8:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	160	J	40	LOD	200	LOQ	ug/L	J	TR
NICKEL	1.5	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
VANADIUM	3.5	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	2.6	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **MW24102024** ***Collected:*** **10/1/2024 1:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.47	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
NICKEL	1.9	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	730	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	2.5	J	8.0	LOD	10	LOQ	ug/L	UJ	BLT/BLU, BLL/BLM, DU1

Sample ID: **MW24102024** ***Collected:*** **10/1/2024 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	4.6	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	1.6	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	30000		40	LOD	200	LOQ	ug/L	J	DU1
LEAD	0.58	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
SILVER	0.089	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	3.6	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	13	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM
ANTIMONY	0.47	J	1.0	LOD	2.0	LOQ	ug/L	U	BLL/BLM
ARSENIC	0.76	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
COPPER	6.8		1.8	LOD	2.0	LOQ	ug/L	J+	BLL/BLM
IRON	67	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	5.3		1.8	LOD	3.0	LOQ	ug/L	J+	ICB/CCB
POTASSIUM	440	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	9.1	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.2	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	1.9	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.54	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
LEAD	0.62	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
POTASSIUM	690	J	76	LOD	1000	LOQ	ug/L	J	TR
VANADIUM	4.7	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	4.1	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **MW32102024** ***Collected:*** **9/30/2024 8:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	17	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM
COPPER	2.9		1.8	LOD	2.0	LOQ	ug/L	J+	BLT/BLU, BLL/BLM
IRON	18	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
POTASSIUM	540	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	2.1	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **MW32102024** ***Collected:*** **9/30/2024 8:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.5	J	2.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 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	8.8	J	30	LOD	200	LOQ	ug/L	J	TR
ANTIMONY	0.78	J	1.0	LOD	2.0	LOQ	ug/L	J	TR
BARIUM	0.38	J	0.95	LOD	3.0	LOQ	ug/L	J	TR
COPPER	1.6	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	14	J B	40	LOD	200	LOQ	ug/L	J	TR
MAGNESIUM	15	J	15	LOD	200	LOQ	ug/L	J	TR
ZINC	2.0	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 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*
ANTIMONY	0.56	J	1.0	LOD	2.0	LOQ	ug/L	J	TR
IRON	9.7	J	40	LOD	200	LOQ	ug/L	J	TR
MAGNESIUM	15	J	15	LOD	200	LOQ	ug/L	J	TR
MANGANESE	2.2	J	1.8	LOD	3.0	LOQ	ug/L	J	TR

Sample ID: **TMW16102024** ***Collected:*** **9/30/2024 8:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	9.5	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM
COPPER	1.5	J	1.8	LOD	2.0	LOQ	ug/L	U	BLT/BLU, BLL/BLM
IRON	14	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
MANGANESE	3.2		1.8	LOD	3.0	LOQ	ug/L	J+	ICB/CCB
POTASSIUM	530	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	10		8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **TMW16102024** ***Collected:*** **9/30/2024 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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW16102024** ***Collected:*** **9/30/2024 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
SILVER	0.61	J	0.15	LOD	1.0	LOQ	ug/L	J	TR

Sample ID: **TMW18102024** ***Collected:*** **9/30/2024 8:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	51	J	30	LOD	200	LOQ	ug/L	J	TR
IRON	40	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
MANGANESE	1.2	J	1.8	LOD	3.0	LOQ	ug/L	U	ICB/CCB
ZINC	3.0	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **TMW18102024** ***Collected:*** **9/30/2024 8:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	79	J	30	LOD	200	LOQ	ug/L	J	TR
CHROMIUM	0.92	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
IRON	35	J	40	LOD	200	LOQ	ug/L	U	BLL/BLM
MANGANESE	3.0		1.8	LOD	3.0	LOQ	ug/L	U	BLL/BLM
SILVER	0.054	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	3.2	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	5.4	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW19102024** ***Collected:*** **9/30/2024 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1400		100	LOD	200	LOQ	ug/L	J+	BLL/BLM
CHROMIUM	1.8	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	0.83	J	1.8	LOD	2.0	LOQ	ug/L	U	BLT/BLU, BLL/BLM
IRON	8.9	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
POTASSIUM	790	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	5.0	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW19102024** ***Collected:*** **9/30/2024 9:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
COBALT	0.41	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	0.96	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
LEAD	0.27	J	0.70	LOD	1.0	LOQ	ug/L	J	TR
POTASSIUM	880	J	76	LOD	1000	LOQ	ug/L	J	TR
SILVER	0.12	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
ZINC	9.2	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 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	26	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
NICKEL	0.95	J B	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	510	J	76	LOD	1000	LOQ	ug/L	J	TR

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 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	69	J	30	LOD	200	LOQ	ug/L	J	TR
COPPER	0.88	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
IRON	56	J	40	LOD	200	LOQ	ug/L	J	TR
POTASSIUM	550	J	76	LOD	1000	LOQ	ug/L	J	TR
SILVER	0.15	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	1.9	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW36102024** ***Collected:*** **10/1/2024 8:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHROMIUM	2.0	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	3.4		1.8	LOD	2.0	LOQ	ug/L	J+	BLL/BLM
POTASSIUM	750	J	76	LOD	1000	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW36102024** ***Collected:*** **10/1/2024 8:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	990	J	76	LOD	1000	LOQ	ug/L	J	TR
SILVER	0.20	J	0.15	LOD	1.0	LOQ	ug/L	U	BLT/BLU, ICB/CCB
VANADIUM	3.4	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW37102024** ***Collected:*** **10/1/2024 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
ALUMINUM	15	J	30	LOD	200	LOQ	ug/L	U	BLL/BLM
IRON	630	B	40	LOD	200	LOQ	ug/L	J+	BLT/BLU
NICKEL	2.2	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	680	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	3.4	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **TMW37102024** ***Collected:*** **10/1/2024 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
SILVER	0.084	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
VANADIUM	4.8	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

Sample ID: **TMW44102024** ***Collected:*** **10/1/2024 7:40:00 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	0.91	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
MANGANESE	1.7	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	250	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	2.4	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
VANADIUM	3.7	J	3.0	LOD	5.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW44102024** ***Collected:*** **10/1/2024 7:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ARSENIC	1.2	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	2.8	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.64	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.2	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
NICKEL	2.0	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
POTASSIUM	790	J	76	LOD	1000	LOQ	ug/L	J	TR
SELENIUM	3.0	J	4.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	5.7	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW46102024** ***Collected:*** **10/1/2024 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
COPPER	0.78	J	1.8	LOD	2.0	LOQ	ug/L	U	BLT/BLU, BLL/BLM
IRON	12	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
MANGANESE	1.6	J	1.8	LOD	3.0	LOQ	ug/L	U	ICB/CCB
POTASSIUM	250	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	2.5	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **TMW46102024** ***Collected:*** **10/1/2024 8:30:00 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	0.83	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	2.9	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COBALT	0.78	J	0.90	LOD	1.0	LOQ	ug/L	J	TR
COPPER	1.5	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	810	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	9.0	J	8.0	LOD	10	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW48102024** ***Collected:*** **10/1/2024 1:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
COPPER	0.73	J	1.8	LOD	2.0	LOQ	ug/L	U	BLT/BLU, BLL/BLM
IRON	63	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM
NICKEL	1.4	J	1.9	LOD	3.0	LOQ	ug/L	J	TR
VANADIUM	2.3	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	7.7	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **TMW48102024** ***Collected:*** **10/1/2024 1:25:00 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	16	J	30	LOD	200	LOQ	ug/L	J	TR
ARSENIC	0.70	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	12	J	40	LOD	200	LOQ	ug/L	U	BLL/BLM
SILVER	0.052	J	0.15	LOD	1.0	LOQ	ug/L	U	ICB/CCB
ZINC	7.1	J	8.0	LOD	10	LOQ	ug/L	J	TR

Sample ID: **TMW58102024** ***Collected:*** **9/30/2024 10:20:00 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	0.86	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
IRON	34	J B	40	LOD	200	LOQ	ug/L	U	BLT/BLU, BLL/BLM, ICB/CCB
POTASSIUM	720	J	76	LOD	1000	LOQ	ug/L	J	TR
ZINC	2.5	J	8.0	LOD	10	LOQ	ug/L	U	BLT/BLU, BLL/BLM

Sample ID: **TMW58102024** ***Collected:*** **9/30/2024 10:20:00 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	1.2	J	2.0	LOD	5.0	LOQ	ug/L	J	TR
CHROMIUM	0.88	J	1.8	LOD	3.0	LOQ	ug/L	J	TR
COPPER	1.1	J	1.8	LOD	2.0	LOQ	ug/L	J	TR
POTASSIUM	780	J	76	LOD	1000	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: METALS

Sample ID: TMW58102024 **Collected:** 9/30/2024 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	2.8	J	3.0	LOD	5.0	LOQ	ug/L	J	TR
ZINC	2.9	J	8.0	LOD	10	LOQ	ug/L	J	TR

Method Category: METALS

Sample ID: BGMW01102024 **Collected:** 10/1/2024 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: BGMW02102024 **Collected:** 10/1/2024 11:30:00 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: BGMW03102024 **Collected:** 10/1/2024 9:20:00 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: BGMW07102024 **Collected:** 9/30/2024 8:10:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U H J1	0.080	LOD	0.20	LOQ	ug/L	UJ	MD2, SC1

Sample ID: BGMW07102024 **Collected:** 9/30/2024 8:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U J1	0.080	LOD	0.20	LOQ	ug/L	UJ	MD2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **BGMW09102024** ***Collected:*** **9/30/2024 9:50:00 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

Sample ID: **BGMW10102024** ***Collected:*** **10/1/2024 7:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

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

Sample ID: **BGMW12102024** ***Collected:*** **9/30/2024 10:45:00 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: **FDUP01-102024** ***Collected:*** **10/1/2024 9:30:00 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: **FDUP02-102024** ***Collected:*** **10/1/2024 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: **MW01102024** ***Collected:*** **10/1/2024 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: **MW23102024** ***Collected:*** **9/30/2024 8:00:00 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: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **MW24102024** ***Collected:*** **10/1/2024 1:50:00 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: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 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: **MW32102024** ***Collected:*** **9/30/2024 8:45:00 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: **QC01102024EB** ***Collected:*** **10/1/2024 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: **TMW16102024** ***Collected:*** **9/30/2024 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: **TMW18102024** ***Collected:*** **9/30/2024 8:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

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

Sample ID: **TMW19102024** ***Collected:*** **9/30/2024 9:30:00 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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **METALS**

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 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: **TMW36102024** ***Collected:*** **10/1/2024 8:20:00 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: **TMW37102024** ***Collected:*** **10/1/2024 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: **TMW44102024** ***Collected:*** **10/1/2024 7:40:00 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: **TMW46102024** ***Collected:*** **10/1/2024 8:30:00 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: **TMW48102024** ***Collected:*** **10/1/2024 1:25:00 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: **TMW58102024** ***Collected:*** **9/30/2024 10:20:00 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: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: SVOA

Sample ID: MW01102024 **Collected:** 10/1/2024 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
Diesel Range Organics (DRO) C10-C28	34	J	120	LOD	250	LOQ	ug/L	U	BLL/BLM

Sample ID: MW32102024 **Collected:** 9/30/2024 8:45:00 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	39	J	120	LOD	250	LOQ	ug/L	U	BLL/BLM

Sample ID: QC01102024EB **Collected:** 10/1/2024 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
Diesel Range Organics (DRO) C10-C28	37	J	120	LOD	250	LOQ	ug/L	J	TR

Method Category: SVOA

Sample ID: BGMW07102024 **Collected:** 9/30/2024 8:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.71	U M Q	0.71	LOD	1.2	LOQ	ug/L	UJ	CV2
AROCLOR 1260	0.36	U Q	0.36	LOD	1.2	LOQ	ug/L	UJ	CV2

Sample ID: BGMW09102024 **Collected:** 9/30/2024 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.59	U Q	0.59	LOD	0.99	LOQ	ug/L	UJ	CV2
AROCLOR 1260	0.30	U Q	0.30	LOD	0.99	LOQ	ug/L	UJ	CV2

Sample ID: BGMW10102024 **Collected:** 10/1/2024 7:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.68	U Q	0.68	LOD	1.1	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: SVOA

Sample ID: BGMW10102024 **Collected:** 10/1/2024 7:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.35	U Q	0.35	LOD	1.1	LOQ	ug/L	UJ	CV2

Sample ID: QC01102024EB **Collected:** 10/1/2024 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	0.58	U Q	0.58	LOD	0.96	LOQ	ug/L	UJ	CV2
AROCLOR 1260	0.29	U Q	0.29	LOD	0.96	LOQ	ug/L	UJ	CV2

Method Category: SVOA

Sample ID: BGMW07102024 **Collected:** 9/30/2024 8:10:00 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	34	U Q J1	34	LOD	56	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	54	U Q	54	LOD	56	LOQ	ug/L	UJ	CV2

Sample ID: BGMW07102024 **Collected:** 9/30/2024 8:10:00 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)	9.0	U Q	9.0	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	9.0	U Q	9.0	LOD	11	LOQ	ug/L	UJ	CV2

Sample ID: BGMW09102024 **Collected:** 9/30/2024 9:50:00 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	30	U M Q	30	LOD	50	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	48	U Q	48	LOD	50	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: SVOA

Sample ID: BGMW09102024 **Collected:** 9/30/2024 9:50:00 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)	8.0	U Q	8.0	LOD	10	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.0	U Q	8.0	LOD	10	LOQ	ug/L	UJ	CV2

Sample ID: BGMW10102024 **Collected:** 10/1/2024 7:35:00 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	32	U M Q	32	LOD	53	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	51	U Q	51	LOD	53	LOQ	ug/L	UJ	CV2

Sample ID: BGMW10102024 **Collected:** 10/1/2024 7:35:00 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)	8.4	U Q	8.4	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.4	U Q	8.4	LOD	11	LOQ	ug/L	UJ	CV2

Sample ID: BGMW12102024 **Collected:** 9/30/2024 10:45:00 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	28	U M Q	28	LOD	46	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	44	U Q	44	LOD	46	LOQ	ug/L	UJ	CV2

Sample ID: BGMW12102024 **Collected:** 9/30/2024 10:45:00 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)	7.4	U Q	7.4	LOD	9.2	LOQ	ug/L	UJ	CV2
3-NITROANILINE	7.4	U Q	7.4	LOD	9.2	LOQ	ug/L	UJ	CV2

Sample ID: MW01102024 **Collected:** 10/1/2024 10:30:00 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	32	U M Q	32	LOD	54	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	52	U Q	52	LOD	54	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **SVOA**

Sample ID: **MW01102024** ***Collected:*** **10/1/2024 10:30:00 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)	8.6	U Q	8.6	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.6	U Q	8.6	LOD	11	LOQ	ug/L	UJ	CV2

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 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	30	U Q	30	LOD	51	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	49	U Q	49	LOD	51	LOQ	ug/L	UJ	CV2

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 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)	8.1	U Q	8.1	LOD	10	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.1	U Q	8.1	LOD	10	LOQ	ug/L	UJ	CV2

Sample ID: **MW32102024** ***Collected:*** **9/30/2024 8:45:00 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	28	U M Q	28	LOD	46	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	45	U Q	45	LOD	46	LOQ	ug/L	UJ	CV2

Sample ID: **MW32102024** ***Collected:*** **9/30/2024 8:45:00 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)	7.4	U Q	7.4	LOD	9.3	LOQ	ug/L	UJ	CV2
3-NITROANILINE	7.4	U M Q	7.4	LOD	9.3	LOQ	ug/L	UJ	CV2

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 2:00:00 PM** ***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	32	U M Q	32	LOD	53	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	51	U Q	51	LOD	53	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **SVOA**

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 2:00:00 PM** ***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)	8.5	U Q	8.5	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.5	U Q	8.5	LOD	11	LOQ	ug/L	UJ	CV2

Sample ID: **TMW16102024** ***Collected:*** **9/30/2024 8:05:00 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	30	U M Q	30	LOD	50	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	48	U Q	48	LOD	50	LOQ	ug/L	UJ	CV2

Sample ID: **TMW16102024** ***Collected:*** **9/30/2024 8:05:00 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)	8.0	U Q	8.0	LOD	10	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.0	U M Q	8.0	LOD	10	LOQ	ug/L	UJ	CV2

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 PM** ***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	33	U M Q	33	LOD	54	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	52	U Q	52	LOD	54	LOQ	ug/L	UJ	CV2

Sample ID: **TMW34102024** ***Collected:*** **10/1/2024 2:25:00 PM** ***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)	8.7	U Q	8.7	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.7	U Q	8.7	LOD	11	LOQ	ug/L	UJ	CV2

Sample ID: **TMW44102024** ***Collected:*** **10/1/2024 7:40:00 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	33	U M Q	33	LOD	55	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	53	U Q	53	LOD	55	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **SVOA**

Sample ID: **TMW44102024** ***Collected:*** **10/1/2024 7:40:00 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)	8.8	U Q	8.8	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.8	U M Q	8.8	LOD	11	LOQ	ug/L	UJ	CV2

Sample ID: **TMW46102024** ***Collected:*** **10/1/2024 8:30:00 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: **TMW46102024** ***Collected:*** **10/1/2024 8:30:00 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
N-NITROSODIPHENYLAMINE	3.4	J	7.8	LOD	9.8	LOQ	ug/L	J	TR

Sample ID: **TMW58102024** ***Collected:*** **9/30/2024 10:20:00 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	33	U M Q	33	LOD	55	LOQ	ug/L	UJ	CV2
PENTACHLOROPHENOL	53	U Q	53	LOD	55	LOQ	ug/L	UJ	CV2

Sample ID: **TMW58102024** ***Collected:*** **9/30/2024 10:20:00 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)	8.8	U Q	8.8	LOD	11	LOQ	ug/L	UJ	CV2
3-NITROANILINE	8.8	U Q	8.8	LOD	11	LOQ	ug/L	UJ	CV2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **SVOA**

Sample ID: **BGMW07102024** ***Collected:*** **9/30/2024 8:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
m-Nitrotoluene	0.36	U J1 Q	0.36	LOD	0.41	LOQ	ug/L	UJ	MD2, LC2
o-Nitrotoluene	0.20	U J1 Q	0.20	LOD	0.21	LOQ	ug/L	UJ	MD2, LC2
p-Nitrotoluene	0.41	U J1 Q	0.41	LOD	0.42	LOQ	ug/L	UJ	MD2, LC2

Sample ID: **BGMW09102024** ***Collected:*** **9/30/2024 9:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
m-Nitrotoluene	0.38	U Q	0.38	LOD	0.44	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.22	U Q	0.22	LOD	0.23	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.44	U Q	0.44	LOD	0.45	LOQ	ug/L	UJ	LC2

Sample ID: **BGMW10102024** ***Collected:*** **10/1/2024 7:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
m-Nitrotoluene	0.36	U Q	0.36	LOD	0.42	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.21	U Q	0.21	LOD	0.22	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.42	U Q	0.42	LOD	0.43	LOQ	ug/L	UJ	LC2

Sample ID: **BGMW12102024** ***Collected:*** **9/30/2024 10:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
m-Nitrotoluene	0.41	U Q	0.41	LOD	0.47	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.23	U Q	0.23	LOD	0.24	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.47	U Q	0.47	LOD	0.48	LOQ	ug/L	UJ	LC2

Sample ID: **MW28102024** ***Collected:*** **10/1/2024 8:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
m-Nitrotoluene	0.39	U Q	0.39	LOD	0.45	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.22	U Q	0.22	LOD	0.24	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.45	U Q	0.45	LOD	0.46	LOQ	ug/L	UJ	LC2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **SVOA**

Sample ID: **MW32102024** ***Collected:*** **9/30/2024 8:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
m-Nitrotoluene	0.39	U Q	0.39	LOD	0.45	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.22	U Q	0.22	LOD	0.23	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.45	U Q	0.45	LOD	0.46	LOQ	ug/L	UJ	LC2

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 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
m-Nitrotoluene	0.38	U Q	0.38	LOD	0.43	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.22	U Q	0.22	LOD	0.23	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.43	U Q	0.43	LOD	0.44	LOQ	ug/L	UJ	LC2

Sample ID: **TMW36102024** ***Collected:*** **10/1/2024 8:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
m-Nitrotoluene	0.39	U Q M	0.39	LOD	0.44	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.22	U Q	0.22	LOD	0.23	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.44	U Q	0.44	LOD	0.45	LOQ	ug/L	UJ	LC2

Sample ID: **TMW48102024** ***Collected:*** **10/1/2024 1:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	2.3	M J1	0.22	LOD	0.23	LOQ	ug/L	J	PJ
m-Nitrotoluene	0.38	U Q	0.38	LOD	0.43	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.22	U Q	0.22	LOD	0.23	LOQ	ug/L	UJ	LC2
p-Nitrotoluene	0.43	U Q	0.43	LOD	0.44	LOQ	ug/L	UJ	LC2

Sample ID: **TMW58102024** ***Collected:*** **9/30/2024 10:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
m-Nitrotoluene	0.37	U Q	0.37	LOD	0.42	LOQ	ug/L	UJ	LC2
o-Nitrotoluene	0.21	U Q	0.21	LOD	0.22	LOQ	ug/L	UJ	LC2

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: SVOA

Sample ID: TMW58102024 **Collected:** 9/30/2024 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
p-Nitrotoluene	0.42	U Q	0.42	LOD	0.43	LOQ	ug/L	UJ	LC2

Method Category: VOA

Sample ID: BGMW02102024 **Collected:** 10/1/2024 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1,1-TRICHLOROETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1,2,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1,2-TRICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1-DICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1-DICHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,1-DICHLOROPROPENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2,3-TRICHLOROBENZENE	2.5	U	2.5	LOD	4.0	LOQ	ug/L	UJ	PR1
1,2,3-TRICHLOROPROPANE	1.8	U	1.8	LOD	2.5	LOQ	ug/L	UJ	PR1
1,2,4-TRICHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2,4-TRIMETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DIBROMO-3-CHLOROPROPANE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
1,2-Dibromoethane (EDB)	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DICHLOROBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DICHLOROETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,2-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,3,5-TRIMETHYLBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
1,3-DICHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
1,3-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
1,4-DICHLOROBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
2,2-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
2-BUTANONE (MEK)	8.0	U	8.0	LOD	10	LOQ	ug/L	UJ	PR1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **VOA**

Sample ID: **BGMW02102024** ***Collected:*** **10/1/2024 11:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-CHLOROTOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
2-HEXANONE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
4-CHLOROTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
4-ISOPROPYLTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
4-METHYL-2-PENTANONE (MIBK)	3.2	U	3.2	LOD	5.0	LOQ	ug/L	UJ	PR1
ACETONE	8.0	U	8.0	LOD	15	LOQ	ug/L	UJ	PR1
BENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMOBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMOCHLOROMETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMODICHLOROMETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
BROMOFORM	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	PR1
BROMOMETHANE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
CARBON DISULFIDE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	PR1
CARBON TETRACHLORIDE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
CHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
CHLOROETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	PR1
CHLOROFORM	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
CHLOROMETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	PR1
CIS-1,2-DICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
CIS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
DIBROMOCHLOROMETHANE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
DIBROMOMETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
DICHLORODIFLUOROMETHANE	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	PR1
ETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
HEXACHLOROBUTADIENE	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	PR1
ISOPROPYLBENZENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
METHYL ACETATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	PR1
METHYL TERT-BUTYL ETHER	0.80	U	0.80	LOD	5.0	LOQ	ug/L	UJ	PR1
METHYLENE CHLORIDE	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	PR1
m-Xylene & p-Xylene	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	PR1

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1 **Laboratory: TAL DEN**

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_rev_rev **eQAPP Name: Fort_Wingate_rev2_hexchrom_AQ HT_24hr**

Method Category: **VOA**

Sample ID: **BGMW02102024** ***Collected:*** **10/1/2024 11:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
NAPHTHALENE	2.0	U	2.0	LOD	3.0	LOQ	ug/L	UJ	PR1
N-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
N-PROPYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
O-XYLENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
SEC-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
STYRENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
TERT-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
TETRACHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	PR1
TOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
TRANS-1,2-DICHLOROETHENE	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	PR1
TRANS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
TRICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1
TRICHLOROFLUOROMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	PR1
VINYL CHLORIDE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	PR1

Sample ID: **BGMW07102024** ***Collected:*** **9/30/2024 8:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,2,3-TRICHLOROBENZENE	2.5	U J1	2.5	LOD	4.0	LOQ	ug/L	UJ	MD2

Sample ID: **QC01102024EB** ***Collected:*** **10/1/2024 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	0.96	J	0.50	LOD	1.0	LOQ	ug/L	J	TR
DIBROMOCHLOROMETHANE	0.77	J	0.50	LOD	1.0	LOQ	ug/L	J	TR

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 280-197419-1

Laboratory: TAL DEN

EDD Filename: 280-197419-1_52_2a_ParsonsFtWingate_rev7_rev_rev_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
CV1	Continuing Calibration Verification Percent Difference Lower Rejection
CV2	Continuing Calibration Verification Percent Recovery Upper Estimation
DU1	Field Duplicate Precision
ICB/CCB	Calibration Blank Contamination
LC2	Laboratory Control Spike Lower Estimation
MD1	Matrix Spike Upper Estimation
MD2	Matrix Spike Lower Estimation
MD5	Matrix Spike Precision
PJ	Professional Judgment
PR1	Preservation
SC1	Sampling to Analysis Estimation
TR	Reporting Limit Trace Value

* denotes a non-reportable result

Attachment D

Calculations

Calculation Worksheet

Lab: EETA
SDG: 280-197419
Method: 6020
Instrument: MT_077
Compound: Aluminum

red text = manually input values from lab report
green text = values match lab report

Client Sample ID	Laboratory Sample ID	Analysis Date/Time	Raw Result	Final Volume (mL)	Initial Volume (mL)	Dilution	Final Conc. (ug/L)
			Equations:	Final Conc = (Raw result x Final Vol x Dilution) / (Initial Vol)			
MW28102024	280-197419-3	10/8/24 @23:22	1125.3210	50	50	1	1125
TMW34102024	280-197419-6	10/8/24 @03:21	68.813	50	50	1	69
BGMW10102024	280-197419-8	10/8/24 @03:29	16.867	50	50	1	17
BGMW01102024	280-197419-10	10/8/24 @03:36	224.781	50	50	1	225
TMW48102024	280-197419-12	10/8/24 @03:43	15.915	50	50	1	16
TMW58102024	280-197419-13	10/8/24 @03:54	315.783	50	50	1	316
MW32102024	280-197419-17	10/8/24 @04:08	4367.196	50	50	1	4367
BGMW09102024	280-197419-18	10/8/24 @11:36	2991.348	50	50	1	2991
BGMW12102024	280-197419-20	10/8/24 @13:53	5799.283	50	50	1	5799
TMW44102024	280-197419-22	10/8/24 @14:00	2299.924	50	50	1	2300

Client Sample ID	Laboratory Sample ID	Analysis Date/Time	Raw Result	Final Volume (mL)	Initial Volume (mL)	Dilution	Final Conc. (ug/L)	True Conc.	% Recovery
			Equations:	Final Conc = (Raw result x Final Vol x Dilution) / (Initial Vol)					
ICV	280-670476/15	10/9/2024 19:00	833	50	50	1	833	800	104
CCV	280-670476/43	10/9/2024 19:03	1990	50	50	1	1990	2000	100
CCV	280-670476/53	10/9/2024 19:39	2030	50	50	1	2030	2000	102
CCV	280-670476/63	10/9/2024 20:14	2040	50	50	1	2040	2000	102
CCV	280-670476/95	10/9/2024 22:09	1980	50	50	1	1980	2000	99
CCV	280-670476/105	10/9/2024 22:44	1940	50	50	1	1940	2000	97
ICV	280-670367/24	10/9/2024 11:36	838	50	50	1	838	800	105
CCV	280-670367/25	10/9/2024 11:40	2050	50	50	1	2050	2000	103
CCV	280-670367/35	10/9/2024 12:30	2090	50	50	1	2090	2000	105
CCV	280-670367/44	10/9/2024 13:02	2080	50	50	1	2080	2000	104
CCV	280-670367/52	10/9/2024 13:31	2030	50	50	1	2030	2000	102
CCV	280-670367/61	10/9/2024 14:04	2060	50	50	1	2060	2000	103
ICSA	280-670252/19	10/9/2024 17:33	100000	50	50	1	100000	100079	100
LCS	280-669608/2-A	10/9/2024 22:53	718	50	50	1	718	800	90
LCS	280-669617/21-A	10/9/2024 11:50	835	50	50	1	835	800	104

Laboratory Sample ID	sample conc.	MS/MSD conc.	Spike amount	% Recovery	RPD
			(Cm-Cs) / Ck *100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2] *100
280-197419-1 MS	260	1100	800	105	1
280-197419-1 MSD	260	1110	800	106	
280-197419-1 PDS	260	2210	2000	98	--

ICAL: The internal standard response is compared against the response of the particular analyte. The software automatically calculates the linear equation.

External Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 7470
SDG: 280-197419
Instrument: MT_036
Curve Date: 10/11/2024

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet					
Y-Values Compound Area Ax	X-Values Compound Conc Cx	X^2	RF	Y^2	XY
		$(Cx)^2$	Ax/Cx	$(Ax)^2$	(Cx*Ax)
1459	0	0.000	#DIV/0!	2.13E+06	0.0
2987	0.06	0.004	49783.3333	8.92E+06	179.2
4666	0.12	0.014	38883.3333	2.18E+07	559.9
9818	0.3	0.090	32726.6667	9.64E+07	2945.4
18069	0.6	0.360	30115.0000	3.26E+08	10841.4
33765	1.2	1.440	28137.5000	1.14E+09	40518.0
82629	3	9.000	27543.0000	6.83E+09	247887.0
159350	6	36.000	26558.3333	2.54E+10	956100.0
312743	**11.28**	**46.908**	**7**	**3.38E+010**	**1259030.9**

Linear Regression:

y = mx + b
Cx = (Ax-b)/m

Weighting	EQUAL	1/X	$1/X^2$	Equation
Slope (m)	**26386.42**			m = [(sumwxy * sumw) - (sumwx * sumwy)] / delta
Intercept (b)	**1888.03**			b = [(sumwx^2 * sumwy) - (sumwx * sumwxy)] / delta
CC (R) (≥0.99)	**0.9999**			r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt(temp))]
COD (R^2) (≥0.98)	**0.9998**			G34^2

Sample Concentration Calculations												
Sample ID	File ID	Compound Area Ax	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount.	% Recovery
Equations:			Ax/RF	((Ax-b)/m)			Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100	
MW28102024	280-197419-3	791		-0.0416			50.0	30.0	1.0	-0.0416	NA	NA
TMW34102024	280-197419-6	773		-0.0423			50.0	30.0	1.0	-0.0423	NA	NA
BGMW10102024	280-197419-8	717		-0.0444			50.0	30.0	1.0	-0.0444	NA	NA
BGMW01102024	280-197419-10	797		-0.0413			50.0	30.0	1.0	-0.0413	NA	NA
TMW48102024	280-197419-12	758		-0.0428			50.0	30.0	1.0	-0.0428	NA	NA
TMW58102024	280-197419-13	781		-0.0420			50.0	30.0	1.0	-0.0420	NA	NA
MW32102024	280-197419-17	846		-0.0395			50.0	30.0	1.0	-0.0395	NA	NA
ICV	280-670609/9-A	67262		2.4776			50.0	30.0	1.0	4.1293	NA	NA
CCV	280-670609/12-A	83142		3.0794			50.0	30.0	1.0	5.1323	NA	NA
MB	280-670691/1-A	592		-0.0491			50.0	30.0	1.0	-0.0491	NA	NA
LCS	280-670691/2-A	80273		2.9707			50.0	30.0	1.0	4.9511	5.000	99%
CCV	280-670609/12-A	83022		3.0748			50.0	30.0	1.0	5.1247	NA	NA
CCV	280-670609/12-A	83546		3.0947			50.0	30.0	1.0	5.1578	NA	NA

External Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 7470
SDG: 280-197419
Instrument: MT_036
Curve Date: 10/15/2024

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet					
Y-Values Compound Area Ax	**X-Values Compound Conc Cx**	**X^2**	**RF**	**Y^2**	**XY**
		$(Cx)^2$	**Ax/Cx**	**$(Ax)^2$**	**(Cx*Ax)**
83	0	0.000	#DIV/0!	6.89E+03	0.0
1335	0.06	0.004	22250.0000	1.78E+06	80.1
2740	0.12	0.014	22833.3333	7.51E+06	328.8
6674	0.3	0.090	22246.6667	4.45E+07	2002.2
13157	0.6	0.360	21928.3333	1.73E+08	7894.2
25531	1.2	1.440	21275.8333	6.52E+08	30637.2
63895	3	9.000	21298.3333	4.08E+09	191685.0
126902	6	36.000	21150.3333	1.61E+10	761412.0
240317	**11.28**	**46.908**	**7**	**2.11E+010**	**994039.5**

Linear Regression:

y = mx + b
Cx = (Ax-b)/m

Weighting	EQUAL	1/X	$1/X^2$	Equation
Slope (m)	21133.06			m = [(sumwxy * sumw) - (sumwx * sumwy)] / delta
Intercept (b)	242.01			b = [(sumwx^2 * sumwy) - (sumwx * sumwxy)] / delta
CC (R) (≥0.99)	1.0000			r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt(temp))
COD (R^2) (>0.98)	1.0000			G34^2

Sample Concentration Calculations													
Sample ID	**File ID**	**Compound Area Ax**	**Ave RF On-column Conc**	**Linear Cal On-column Conc Equal Weighting**	**Linear Cal On-column Conc 1/X Weighting**	**Linear Cal On-column Conc $1/X^2$ Weighting**	**Final Volume (mL)**	**Initial Volume (mL)**	**Dilution factor**	**Final Concentration (ug/L)**	**Spike amount.**	**% Recovery**
Equations:			**Ax/RF**	**((Ax-b)/m)**			**Final Conc = (On column * Final Vol * DF) / (Initial Vol)**				**%R = (final conc / spike amt.)x100**	
BGMW09102024	280-197419-18	67		-0.0083			50.0	30.0	1.0	-0.0083	NA	NA
BGMW12102024	280-197419-20	68		-0.0082			50.0	30.0	1.0	-0.0082	NA	NA
TMW44102024	280-197419-22	102		-0.0066			50.0	30.0	1.0	-0.0066	NA	NA
ICV	280-670987/9-A	51530		2.4269			50.0	30.0	1.0	4.0448	4.000	101%
CCV	280-670987/12-A	64010		3.0175			50.0	30.0	1.0	5.0291	5.000	101%
MB	280-670947/1-A	49		-0.0091			50.0	30.0	1.0	-0.0091	NA	NA
LCS	280-670947/2-A	66633		3.1416			50.0	30.0	1.0	5.2359	5.000	105%
CCV	280-670987/12-A	64423		3.0370			50.0	30.0	1.0	5.0617	5.000	101%
CCV	280-670987/12-A	66016		3.1124			50.0	30.0	1.0	5.1873	5.000	104%

External Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8015-DRO/ORO
Instrument: SGC_U2a
Curve Date: 10/4/2024
Compound: TPH-DRO
SDG: 280-197419

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet

Y-Values Compound Area Ax	X-Values Compound Conc Cx	X^2	RF	Y^2	XY
		$(Cx)^2$	Ax/Cx	$(Ax)^2$	(Cx*Ax)
12596943	100	10000.000	125969	1.59E+14	1259694300.0
128018147	1000	1000000.000	128018	1.64E+16	128018147000.0
645806319	5000	25000000.000	129161	4.17E+17	3229031595000.0
983245429	7500	56250000.000	131099	9.67E+17	7374340717500.0
1938693011	15000	225000000.000	129246	3.76E+18	29080395165000.0
3872649284	30000	900000000.000	129088	1.50E+19	116179478520000.0
7581009133	**58600**	**1207260000.000**	**6**	**2.02E+019**	**155992523838800.0**

CALIBRATION MODELS:
Average Response Factor:
Cx = Ax/RF

Average RF	**128763.79**	**AVERAGE(RF)**
RSD	**1.3%**	**STDEV(RF)/(AveRF)**

Sample Concentration Calculations

Sample ID	File ID	Compound Area Ax	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery	RPD
Equations:			Ax/RF	((Ax-b)/m)			Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
MW28102024	1004059.D	0	0.0				1.0	992.50	1.0	0	NA	NA	NA
TMW34102024	1004060.D	0	0.0				1.0	959.00	1.0	0	NA	NA	NA
TMW46102024	1004061.D	0	0.0				1.0	1037.50	1.0	0	NA	NA	NA
TMW58102024	1004048.D	0	0.0				1.0	953.30	1.0	0	NA	NA	NA
MW32102024	1004049.D	5018330	39.0				1.0	1003.30	1.0	39	NA	NA	NA
MW01102024	1004062.D	4282772	33.3				1.0	992.80	1.0	34	NA	NA	NA
ICV 280-669832/13	1004011.D	263109784	2043.4				1.0	1000.00	1.0	2043	NA	NA	NA
CCV 280-669832/41	1004040.D	723235982	5616.8				1.0	1000.00	1.0	5617	NA	NA	NA
CCV 280-669832/58	1004057.D	662597109	5145.8				1.0	1000.00	1.0	5146	NA	NA	NA
CCV 280-669832/67	1004066.D	654505730	5083.0				1.0	1000.00	1.0	5083	NA	NA	NA
MB 280-669683/1-A	1004042.D	3019447	23.4				1.0	1000.00	1.0	23	NA	NA	NA
LCS 280-669683/2-A	1004043.D	166782818	1295.3				1.0	1000.00	1.0	1295	2000.000	65%	8
LCSD 280-669683/3-A	1004044.D	180241398	1399.8				1.0	1000.00	1.0	1400	2000.000	70%	

External Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8015-DRO/ORO
Instrument: SGC_U2a
Curve Date: 9/16/2024
Compound: TPH-ORO
SDG: 280-197419

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet					
Y-Values Compound Area Ax	X-Values Compound Conc Cx	X^2	RF	Y^2	XY
		$(Cx)^2$	Ax/Cx	$(Ax)^2$	(Cx*Ax)
15054823	100	10000.000	150548	2.27E+14	1505482300.0
34747535	251	63001.000	138436	1.21E+15	8721631285.0
122782638	1003	1006009.000	122415	1.51E+16	123150985914.0
598766184	5015	25150225.000	119395	3.59E+17	3002812412760.0
825917117	7523	56595529.000	109786	6.82E+17	6213374471191.0
1647728479	15045	226352025.000	109520	2.72E+18	24790074966555.0
3394988185	30090	905408100.000	112828	1.15E+19	102155194486650.0
6639984961	**59027**	**1214584889.000**	**7**	**1.53E+019**	**136294834436655.0**

CALIBRATION MODELS
Average Response Factor
Cx = Ax/RF

Average RF	**123275.50**	**AVERAGE(RF)**
RSD	**12.7%**	**STDEV(RF)/(AveRF)**

Sample Concentration Calculations														
Sample ID	File ID	Compound Area Ax	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (mg/kg)	% Recovery	RPD
Equations:			Ax/RF	((Ax-b)/m)			Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
MW28102024	1004059.D	0	0.0				1.0	992.50	1.0	0	NA	NA	NA
TMW34102024	1004060.D	0	0.0				1.0	959.00	1.0	0	NA	NA	NA
TMW46102024	1004061.D	0	0.0				1.0	1037.50	1.0	0	NA	NA	NA
TMW58102024	1004048.D	0	0.0				1.0	953.30	1.0	0	NA	NA	NA
MW32102024	1004049.D	0	0.0				1.0	1003.30	1.0	0	NA	NA	NA
MW01102024	1004062.D	0	0.0				1.0	992.80	1.0	0	NA	NA	NA
ICV 280-667518/19	0916025.D	264181054	2143.0				1.0	1000.00	1.0	2143	NA	NA	NA
CCV 280-669832/42	1004041.D	593185053	4811.9				1.0	1000.00	1.0	4812	NA	NA	NA
CCV 280-669832/59	1004058.D	560505523	4546.8				1.0	1000.00	1.0	4547	NA	NA	NA
CCV 280-669832/68	1004067.D	633687097	5140.4				1.0	1000.00	1.0	5140	NA	NA	NA
MB 280-669683/1-A	1004042.D	8803630	71.4				1.0	1000.00	1.0	71	NA	NA	NA
LCS 280-669683/4-A	1004045.D	551827500	4476.4				1.0	1000.00	1.0	4476	5020.000	89%	6
LCSD 280-669683/5-A	1004046.D	585374588	4748.5				1.0	1000.00	1.0	4749	5020.000	95%	

Method	8015	8015	8015	8015	8015	8015
Sample ID	MW28102024	MW28102024	TMW34102024	TMW34102024	TMW46102024	TMW46102024
File ID	1004059.D	1004059.D	1004060.D	1004060.D	1004061.D	1004061.D
Surrogate	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl
Surrogate Response	4776035	5200893	4573546	5122288	4769368	5164483
Calibration RF	143072.12	132455.51	143072.12	132455.51	143072.12	132455.51
Surr Spike Conc.	35	35	35	35	35	35
on column Surr Conc. (ug/mL)	33.4	39.3	32.0	38.7	33.3	39.0
Surr %R	95.4	112.2	91.3	110.5	95.2	111.4

Method	8015	8015	8015	8015	8015	8015
Sample ID	TMW58102024	TMW58102024	MW32102024	MW32102024	MW01102024	MW01102024
File ID	1004048.D	1004048.D	1004049.D	1004049.D	1004062.D	1004062.D
Surrogate	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl
Surrogate Response	4865461	5119390	4913377	5413590	4655425	5099605
Calibration RF	143072.12	132455.51	143072.12	132455.51	143072.12	132455.51
Surr Spike Conc.	35	35	35	35	35	35
on column Surr Conc. (ug/mL)	34.0	38.6	34.3	40.9	32.5	38.5
Surr %R	97.2	110.4	98.1	116.8	93.0	110.0

Method	8015	8015	8015	8015	8015	8015
Sample ID	MB 280-669683/1-A	MB 280-669683/1-A	LCS 280-669683/2-A	LCS 280-669683/2-A	LCSD 280-669683/3-A	LCSD 280-669683/3-A
File ID	1004042.D	1004042.D	1004043.D	1004043.D	1004044.D	1004044.D
Surrogate	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl
Surrogate Response	4965283	5117881	4406753	4502078	4855115	5019471
Calibration RF	143072.12	132455.51	143072.12	132455.51	143072.12	132455.51
Surr Spike Conc.	35	35	35	35	35	35
on column Surr Conc. (ug/mL)	34.7	38.6	30.8	34.0	33.9	37.9
Surr %R	99.2	110.4	88.0	97.1	97.0	108.3

Method	8015	8015	8015	8015
Sample ID	LCS 280-669683/4-A	LCS 280-669683/4-A	LCSD 280-669683/5-A	LCSD 280-669683/5-A
File ID	1004045.D	1004045.D	1004046.D	1004046.D
Surrogate	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl
Surrogate Response	5260719	5314181	5326796	5968787
Calibration RF	143072.12	132455.51	143072.12	132455.51
Surr Spike Conc.	35	35	35	35
on column Surr Conc. (ug/mL)	36.8	40.1	37.2	45.1
Surr %R	105.1	114.6	106.4	128.8

yellow highlighted indicates calculations in these rows
red text = manually input values from lab report
green text = values match lab report

Method	8015	8015	8015	8015
Sample ID	ICV 280-669832/13	ICV 280-669832/13	CCV 280-669832/41	CCV 280-669832/41
File ID	1004011.D	1004011.D	1004040.D	1004040.D
Surrogate	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl
Surrogate Response	3031359	3134207	3992745	3951791
Calibration RF	143072.12	132455.51	143072.12	132455.51
Surr Spike Conc.	20	20	25	25
on column Surr Conc. (ug/mL)	21.2	23.7	27.9	29.8
Surrogate %D	5.9	18.3	11.6	19.3

Method	8015	8015	8015	8015
Sample ID	CCV 280-669832/58	CCV 280-669832/58	CCV 280-669832/67	CCV 280-669832/67
File ID	1004057.D	1004057.D	1004066.D	1004066.D
Surrogate	n-Octacosane	o-Terphenyl	n-Octacosane	o-Terphenyl
Surrogate Response	3643199	3804363	3523780	3608977
Calibration RF	143072.12	132455.51	143072.12	132455.51
Surr Spike Conc.	25	25	25	25
on column Surr Conc. (ug/mL)	25.5	28.7	24.6	27.2
Surrogate %D	1.9	14.9	-1.5	9.0

yellow highlighted indicates calculations in these rows
red text = manually input values from lab report
green text = values match lab report

External Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8015-GRO
Instrument: VGC_S1
Curve Date: 10/8/2024
Compound: TPH-GRO
SDG: 280-197419

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet					
Y-Values Compound Area Ax	X-Values Compound Conc Cx	X^2	RF	Y^2	XY
		$(Cx)^2$	Ax/Cx	$(Ax)^2$	(Cx*Ax)
4179806	9.46	89.492	441840.0	1.75E+13	39540964.8
5110872	18.9	357.210	270416.5	2.61E+13	96595480.8
19880773	94.6	8949.160	210156.2	3.95E+14	1880721125.8
37574011	189	35721.000	198804.3	1.41E+15	7101488079.0
68189559	378	142884.000	180395.7	4.65E+15	25775653302.0
190812076	946	894916.000	201704.1	3.64E+16	180508223896.0
384831516	1892	3579664.000	203399.321353	1.48E+17	728101228272.0
710578613	**3527.96**	**4662580.862**	**7**	**1.91E+017**	**943503451120.4**

Linear Regression:

y = mx + b
Cx = (Ax-b)/m

Weighting	EQUAL	1/X	$1/X^2$	Equation
Slope (m)		197840.28		m = [(sumwxy * sumw) - (sumwx * sumwy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
Intercept (b)		1800860.54		b = [(sumwx^2 * sumwy) - (sumwx * sumwxy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
CC (R) (≥0.99)		0.9989		r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt(([(sumw * sumwx2) - (sumwx * sumwx)] * [(sumw * sumwy2) - (sumwy * sumwy)])))]
COD (R^2) (>0.98)		0.9978		F34^2

Sample Concentration Calculations													
Sample ID	File ID	Compound Area Ax	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery	RPD
Equations:			Ax/RF		((Ax-b)/m)		Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
MW28102024	S14289.D	1414592			-1.95		5.0	5.00	1.0	-1.95	NA	NA	NA
TMW34102024	S14290.D	1753759			-0.24		5.0	5.00	1.0	-0.24	NA	NA	NA
TMW46102024	S14291.D	1696823			-0.53		5.0	5.00	1.0	-0.53	NA	NA	NA
TMW58102024	S14177.D	1606988			-0.98		5.0	5.00	1.0	-0.98	NA	NA	NA
MW32102024	S14178.D	1411306			-1.97		5.0	5.00	1.0	-1.97	NA	NA	NA
MW01102024	S14293.D	1557835			-1.23		5.0	5.00	1.0	-1.23	NA	NA	NA
ICV 280-670214/9	S14111.D	96568685			479.01		5.0	5.00	1.0	479.01	NA	NA	NA
CCV 280-670359/5	S14154.D	36062017			173.18		5.0	5.00	1.0	173.18	NA	NA	NA
CCV 280-670359/25	S14169.D	36737174			176.59		5.0	5.00	1.0	176.59	NA	NA	NA
CCV 280-670359/39	S14183.D	35063883			168.13		5.0	5.00	1.0	168.13	NA	NA	NA
MB 280-670359/12	S14157.D	1909036			0.55		5.0	5.00	1.0	0.55	NA	NA	NA
LCS 280-670359/10	S14155.D	96865949			480.51		5.0	5.00	1.0	480.51	451.000	107%	4
LCSD 280-670359/11	S14156.D	100286732			497.80		5.0	5.00	1.0	497.80	451.000	110%	
CCV 280-670798/2	S14279.D	38770082			186.86		5.0	5.00	1.0	186.86	NA	NA	NA
CCV 280-670798/18	S14295.D	36484970			175.31		5.0	5.00	1.0	175.31	NA	NA	NA
CCV 280-670798/32	S14309.D	35514710			170.41		5.0	5.00	1.0	170.41	NA	NA	NA
MB 280-670798/5	S14284.D	1920682			0.61		5.0	5.00	1.0	0.61	NA	NA	NA
LCS 280-670798/3	S14280.D	103382901			513.45		5.0	5.00	1.0	513.45	451.000	114%	1
LCSD 280-670798/4	S14281.D	104300480			518.09		5.0	5.00	1.0	518.09	451.000	115%	

Method	8015	8015	8015	8015	8015	8015
Sample ID	MW28102024	TMW34102024	TMW46102024	TMW58102024	MW32102024	MW01102024
File ID	S14289.D	S14290.D	S14291.D	S14177.D	S14178.D	S14293.D
Surrogate	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene
Surrogate Response	17847853	17371946	17446166	17155560	17227402	18105642
Calibration RF	310117.24	310117.24	310117.24	310117.24	310117.24	310117.24
Surr Spike Conc.	60	60	60	60	60	60
on column Surr Conc. (ug/mL)	57.6	56.0	56.3	55.3	55.6	58.4
Surr %R	95.9	93.4	93.8	92.2	92.6	97.3

Method	8015	8015	8015	8015	8015	8015
Sample ID	MB 280-670359/12	LCS 280-670359/10	LCSD 280-670359/11	MB 280-670798/5	LCS 280-670798/3	LCSD 280-670798/4
File ID	S14157.D	S14155.D	S14156.D	S14284.D	S14280.D	S14281.D
Surrogate	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene
Surrogate Response	17027837	18362477	18795309	18478180	19616236	19506296
Calibration RF	310117.24	310117.24	310117.24	310117.24	310117.24	310117.24
Surr Spike Conc.	60	60	60	60	60	60
on column Surr Conc. (ug/mL)	54.9	59.2	60.6	59.6	63.3	62.9
Surr %R	91.5	98.7	101.0	99.3	105.4	104.8

yellow highlighted indicates calculations in these rows
red text = manually input values from lab report
green text = values match lab report

Method	8015	8015	8015	8015
Sample ID	ICV 280-670214/9	CCV 280-670359/5	CCV 280-670359/25	CCV 280-670359/39
File ID	S14111.D	S14154.D	S14169.D	S14183.D
Surrogate	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene
Surrogate Response	19933397	17020785	17619032	17274810
Calibration RF	310117.24	310117.24	310117.24	310117.24
Surr Spike Conc.	60	60	60	60
on column Surr Conc. (ug/mL)	64.3	54.9	56.8	55.7
Surrogate %D	7.1	-8.5	-5.3	-7.2

Method	8015	8015	8015
Sample ID	CCV 280-670798/2	CCV 280-670798/18	CCV 280-670798/32
File ID	S14279.D	S14295.D	S14309.D
Surrogate	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene	a,a,a-trifluorotoluene
Surrogate Response	18179886	18447291	17880458
Calibration RF	310117.24	310117.24	310117.24
Surr Spike Conc.	60	60	60
on column Surr Conc. (ug/mL)	58.6	59.5	57.7
Surrogate %D	-2.3	-0.9	-3.9

yellow highlighted indicates calculations in these rows
red text = manually input values from lab report
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External Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8330B
Instrument: CHHPLC_X3
Curve Date: 10/4/2024
Compound: RDX
SDG: 280-197419

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet					
Y-Values Compound Area Ax	X-Values Compound Conc Cx	X^2	RF	Y^2	XY
		$(Cx)^2$	Ax/Cx	$(Ax)^2$	(Cx*Ax)
1264	0.01	0.000	126400.0	1.60E+06	12.6
2098	0.02	0.000	104900.0	4.40E+06	42.0
5386	0.05	0.003	107720.0	2.90E+07	269.3
10773	0.1	0.010	107730.0	1.16E+08	1077.3
26694	0.25	0.063	106776.0	7.13E+08	6673.5
42489	0.4	0.160	106222.5	1.81E+09	16995.6
73136	0.7	0.490	104480.000000	5.35E+09	51195.2
106956	1	1.000	106956.0	1.14E+10	106956.0
262885	2.5	6.250	105154.0	6.91E+10	657212.5
531681	**5.03**	**7.976**	**9**	**8.86E+010**	**840434.0**

Linear Regression:

y = mx + b
Cx = (Ax-b)/m

Weighting	EQUAL	1/X	$1/X^2$	Equation
Slope (m)			104832.26	m = [(sumwxy * sumw) - (sumwx * sumwy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
Intercept (b)			173.50	b = [($sumwx^2$ * sumwy) - (sumwx * sumwxy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
CC (R) (>0.99)			0.9993	r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt([(sumw * sumwx2) - (sumwx * sumwx)] * [(sumw * sumwy2) - (sumwy * sumwy)]))
COD (R^2) (>0.98)			0.9985	F34^2

Sample Concentration Calculations												
Sample ID	File ID	Compound Area Ax	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery
Equations:			Ax/RF	((Ax-b)/m)			Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100	
TMW48102024	10040030.D	22977				0.218	5.0	464.60	1.0	2.3	NA	NA
TMW36102024	10040036.D	2934				0.026	5.0	452.60	1.0	0.29	NA	NA
ICV 280-669870/20	10040020.D	54047				0.514	1.0	1.00	1.0	513.90	NA	NA
CCV 280-669871/21	10040021.D	26802				0.254	1.0	1.00	1.0	254.01	NA	NA
CCV 280-669871/32	10040032.D	26616				0.252	1.0	1.00	1.0	252.24	NA	NA
CCV 280-669871/42	10040042.D	26721				0.253	1.0	1.00	1.0	253.24	NA	NA
MB 280-669775/1-A	10040022.D	0				0.000	5.0	500.00	1.0	0.00	NA	NA
LCS 280-669775/2-A	10040023.D	20299				0.192	5.0	500.00	1.0	1.92	2.000	96%

Laboratory Sample ID	sample conc.	MS/MSD conc.	Spike amount	% Recovery	RPD
			(Cm-Cs) / Ck *100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
280-197419-1 MS	0	2.01	2.06	98	8
280-197419-1 MSD	0	2.18	2.16	101	

Method	8330B	8330B	8330B	8330B	8330B	8330B
Sample ID	MW28102024	BGMW10102024	TMW48102024	TMW58102024	MW32102024	TMW36102024
File ID	10040028.D	10040029.D	10040030.D	10040031.D	10040033.D	10040036.D
Surrogate	1,2-Dinitrobenzene	1,2-Dinitrobenzene	1,2-Dinitrobenzene	1,2-Dinitrobenzene	1,2-Dinitrobenzene	1,2-Dinitrobenzene
Surrogate Response	22098	22923	24454	24666	22746	27062
Calibration RF	130409.783	130409.783	130409.783	130409.783	130409.783	130409.783
Surr Spike Conc.	0.2	0.2	0.2	0.2	0.2	0.2
on column Surr Conc. (ug/mL)	0.1695	0.1758	0.1875	0.1891	0.1744	0.2075
Surr %R	84.73	87.89	93.76	94.57	87.21	103.76

Method	8330B	8330B	8330B	8330B
Sample ID	MB 280-669775/1-A	LCS 280-669775/2-A	280-197419-1 MS	280-197419-1 MSD
File ID	10040022.D	10040023.D	10040025.D	10040026.D
Surrogate	1,2-Dinitrobenzene	1,2-Dinitrobenzene	1,2-Dinitrobenzene	1,2-Dinitrobenzene
Surrogate Response	30748	32561	24340	26589
Calibration RF	130409.783	130409.783	130409.783	130409.783
Surr Spike Conc.	0.25	0.25	0.2	0.2
on column Surr Conc. (ug/mL)	0.2358	0.2497	0.1866	0.2039
Surr %R	94.31	99.87	93.32	101.94

yellow highlighted indicates calculations in these rows
red text = manually input values from lab report
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Method	8330B	8330B	8330B	8330B
Sample ID	ICV 280-669870/20	CCV 280-669871/21	CCV 280-669871/32	CCV 280-669871/42
File ID	10040020.D	10040021.D	10040032.D	10040042.D
Target Analytes	2,4-Dinitrotoluene	2,4-Dinitrotoluene	2,4-Dinitrotoluene	2,4-Dinitrotoluene
Target Response	64193	32437	32925	32457
Calibration RF	130409.783	130409.783	130409.783	130409.783
Surr Spike Conc.	0.500	0.2500	0.2500	0.2500
on column Surr Conc. (ug/mL)	0.4922	0.2487	0.2525	0.2489
Surrogate %D	-1.6	-0.5	1.0	-0.4

yellow highlighted indicates calculations in these rows
red text = manually input values from lab report
green text = values match lab report

Calculation Worksheet

Lab: EETA
Method: 9056
Instrument: WC_IonChrom14
Curve Date: 9/20/2024
Compound: Nitrate
SDG: 280-197419

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet					
Y-Values Compound Area Ax	X-Values Compound Conc Cx	X^2	RF	Y^2	XY
		$(Cx)^2$	Ax/Cx	$(Ax)^2$	(Cx*Ax)
6108300	0.2	0.040	30541500.0	3.73E+13	1221660.0
17174597	0.5	0.250	34349194.0	2.95E+14	8587298.5
38232598	1	1.000	38232598.0	1.46E+15	38232598.0
174970483	4	16.000	43742620.8	3.06E+16	699881932.0
350226777	8	64.000	43778347.1	1.23E+17	2801814216.0
452356115	10	100.000	45235611.5	2.05E+17	4523561150.0
1039068870	**23.7**	**181.290**	**6**	**3.60E+017**	**8073298854.5**

Linear Regression:

y = mx + b

Cx = (((Ax/Ais)-b)/m)*Cis

Weighting	Equal	1/X	$1/X^2$	Equation
Slope (m)		44831623.95		m = [(sumwxy * sumw) - (sumwx * sumwy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
Intercept (b)		-3906769.59		b = [(sumwx^2 * sumwy) - (sumwx * sumwxy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
CC (R)		0.9997		r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt(([(sumw * sumwx2) - (sumwx * sumwx)] * [(sumw * sumwy2) - (sumwy * sumwy)])))]
COD (R^2)		0.99936		POWER(R,2)

Sample Concentration Calculations												
Sample ID	File ID	Compound Area Ax	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Dilution Factor	Final Concentration (ug/L)	Spike amount. (mg/kg)	% Recovery	RPD
Equations:			Ax/RF	((Ax-b)/m)			Final Conc = (Conc * DF)*1000		%R = (final conc / spike amt.)x100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
ICV	(9/20/24 @1603)	179558434			4.092		1.0	4092	4.000	102%	NA
CCV	(10/2/24 @0916)	213940223			4.859		1.0	4859	5.000	97%	NA
LCS	280-669414/4	213717321			4.854		1.0	4854	5000.00	97%	0
LCSD	280-669414/5	214706960			4.876		1.0	4876	5000.00	98%	
BGMW10102024	280-197419-26	282326			0.093		1.0	93	NA	NA	NA
TMW46102024	280-197419-29	3419117993			76.353		50.0	3817645	NA	NA	NA
TMW37102024	280-197419-31	9154630			0.291		1.0	291	NA	NA	NA
MW01102024	280-197419-33	140091731			3.212		1.0	3212	NA	NA	NA
FDUP01-102024	280-197419-35	13316456			0.384		1.0	384	NA	NA	NA
BGMW01102024	280-197419-39	369958686			8.339		1.0	8339	NA	NA	NA
TMW48102024	280-197419-40	478945622			10.770		10.0	107704	NA	NA	NA

Calculation Worksheet

Lab: EETA
Method: 365.1
Instrument: WC_GAL1
Curve Date: 12/9/2024
Compound: Orthophosphate
SDG: 280-197419

red text = manually input values from lab report
green text = values match lab report

Analyte Name	Laboratory Sample ID	Sample Result (SR)	Spike Amount (SA)	% Recovery	RPD
				%R = (SR/SA)*100	RPD= [(SR-SRd)]/[(SR+SRd)/2]*100
Orthophosphate	ICV (10/2/24 @1840)	0.43	0.40	107	--
	CCV (10/2/24 @1842)	0.52	0.50	104	--
	LCS 280-669574/10	528.00	500.00	106	1
	LCSD 280-669574/11	523.00	500.00	105	

ICAL Date: 12/09/2024

Std Name	Intensity	Concentration
OPhos 0.0	0.005	0.00340829
OPhos Cal	0.016	0.02627512
OPhos Cal	0.026	0.0477728
OPhos Cal	0.051	0.1004734
OPhos Cal	0.098	0.1996649
OPhos Cal	0.239	0.4946126
OPhos Cal	0.481	1.002793

SLOPE:	2.0990864
Y-INTER:	-0.00682329
COR. COEFFICIENT:	0.999998078

Internal Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 6850
Instrument: LC_LCMS10
SDG: 280-197419
Curve Date: 10/3/2024
Compound: Perchlorate
Internal Standard: Perchlorate-18O

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet

Compound Area Ax	ISTD Area Ais	Compound Conc Cx	ISTD Conc Cis	Y-Values Ax/Ais	X-Values Cx/Cis	X^2 $(Cx/Cis)^2$	RF (Ax*Cis)/(Ais*Cx)
846	5737	80	816	14.746383	9.803921569	96.11687812	1.504131
2102	5990	200	816	35.091820	24.50980392	600.7304883	1.431746
4460	5990	400	816	74.457429	49.01960784	2402.921953	1.518932
10832	6119	1000	816	177.022389	122.5490196	15018.26221	1.444503
22489	6136	2000	816	366.509126	245.0980392	60073.04883	1.495357
46685	6391	4000	816	730.480363	490.1960784	240292.1953	1.490180
113505	6070	10000	816	1869.934102	1225.490196	1501826.221	1.525866
232103	6287	20000	816	3691.792588	2450.980392	6007304.883	1.506251
SUM OF EACH COLUMN :				6960.0342	4617.6471	7827614.3791	11.9170

CALIBRATION MODELS:
Average Response Factor:
Cx = Ax*Cis/Ais/RF

Average RF	1.487	AVERAGE(RF)
RSD	2.42%	STDEV(RF)/(AveRF)

Sample Concentration Calculations

Sample ID	File ID	Compound Area Ax	ISTD Area Ais	ISTD Conc Cis	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution Factor	Final Concentration (ug/L)	Spike Amt (ug/L)	% Recovery
Equations:					Ax*Cis/Ais/RF	((Ax/Ais-b)/m)*Cis		((Ax*Cis)/(Ais)-b)/m)	Final Conc = (Raw result * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100	
TMW34102024	LCMS_10-100324A042.d	3961	7413	816	293.17	[redacted]			1.000	1.000	1.000	0.29	NA	NA
TMW46102024	LCMS_10-100324A044.d	1375	6866	816	109.88				1.000	1.000	1.000	0.11	NA	NA
BGMW01102024	LCMS_10-100324A045.d	12208	6353	816	1054.32				1.000	1.000	1.000	1.05	NA	NA
BGMW02102024	LCMS_10-100324A046.d	3680	6779	816	297.84				1.000	1.000	1.000	0.30	NA	NA
TMW48102024	LCMS_10-100324A070.d	108415	8372	816	7105.06				1.000	1.000	100.000	710.51	NA	NA
MW32102024	LCMS_10-100324A052.d	3463	7617	816	249.45				1.000	1.000	1.000	0.25	NA	NA
ICV 280-669711/12	LCMS_10-100324A012.d	23678	6281	816	2068.35				1.000	1.000	1.000	2068.3	NA	NA
CCVL 280-669711/13	LCMS_10-100324A013.d	2368	6648	816	195.43				1.000	1.000	1.000	195.4	NA	NA
CCV 280-669711/25	LCMS_10-100324A025.d	23618	6767	816	1914.94				1.000	1.000	1.000	1914.9	NA	NA
CCVL 280-669711/37	LCMS_10-100324A037.d	2354	6396	816	201.93				1.000	1.000	1.000	201.9	NA	NA
CCV 280-669711/49	LCMS_10-100324A049.d	26063	7113	816	2010.39				1.000	1.000	1.000	2010.4	NA	NA
CCVL 280-669711/59	LCMS_10-100324A059.d	2852	7281	816	214.91				1.000	1.000	1.000	214.9	NA	NA
CCV 280-669711/61	LCMS_10-100324A063.d	28601	7685	816	2041.95				1.000	1.000	1.000	2041.9	NA	NA
CCVL 280-669711/62	LCMS_10-100324A064.d	3371	7543	816	245.20				1.000	1.000	1.000	245.2	NA	NA
CCV 280-669711/69	LCMS_10-100324A071.d	28918	8073	816	1965.35				1.000	1.000	1.000	1965.4	NA	NA
MB 280-669711/31	LCMS_10-100324A031.d	0	6160	816	0.00				1.000	1.000	1.000	0.00	NA	NA
LCS 280-669711/32	LCMS_10-100324A032.d	2621	6371	816	225.72				1.000	1.000	1.000	0.23	0.200	113

Laboratory Sample ID	sample conc.	MS/MSD conc.	Spike amount	% Recovery	RPD
			(Cm-Cs) / Ck *100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2] *100
280-197419-1 MS	0	2.08	2.00	104	6
280-197419-1 MSD	0	1.95	2.00	98	

Internal Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8081
Instrument: SGC_P1
SDG: 280-197419
Curve Date: 9/9/2024
Compound: Aldrin
Internal Standard: 1-Bromo-2-nitrobenzene

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet

Compound Area Ax	ISTD Area Ais	Compound Conc Cx	ISTD Conc Cis	Y-Values	X-Values	X^2	RF
				Ax/Ais	Cx/Cis	$(Cx/Cis)^2$	(Ax*Cis)/(Ais*Cx)
13925704	212983441	2	75	6.538398	2.666666667	7.111111111	2.451899
26948578	224348502	4	75	12.011927	5.333333333	28.44444444	2.252236
57345180	215005920	10	75	26.671442	13.33333333	177.7777778	2.000358
137992299	218093544	25	75	63.272070	33.33333333	1111.111111	1.898162
279028707	239129032	50	75	116.685417	66.66666667	4444.444444	1.750281
416003433	238829976	75	75	174.183928	100	10000	1.741839
547503992	240707009	100	75	227.456606	133.3333333	17777.77778	1.705925
SUM OF EACH COLUMN :				626.8198	354.6666667	33546.66667	13.8007

CALIBRATION MODELS:
Average Response Factor:
Cx = Ax*Cis/Ais/RF

Average RF	1.972	AVERAGE(RF)
RSD	14.47%	STDEV(RF)/(AveRF)

Sample Concentration Calculations

Sample ID	File ID	Compound Area Ax	ISTD Area Ais	ISTD Conc Cis	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery
Equations:					Ax*Cis/Ais/RF	((Ax/Ais-b)/m)*Cis		((Ax*Cis)/(Ais)-b)/m)	Final Conc = (Raw result * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100	
BGMW10102024	10070030.D	0	298064733	75	0.0				5.000	220.10	1.000	0.0	NA	NA
ICV 280-666729/11	09090011.D	127149820	209756078	75	23.1				1.000	1.00	1.000	23.1	NA	NA
CCVIS 280-670005/4	10070004.D	331246942	260388879	75	48.4				1.000	1.00	1.000	48.4	NA	NA
CCV 280-670005/14	10070014.D	350935490	266577286	75	50.1				1.000	1.00	1.000	50.1	NA	NA
CCV 280-670005/39	10070039.D	345032710	268496355	75	48.9				1.000	1.00	1.000	48.9	NA	NA
MB 280-669863/1	10070019.D	0	261633836	75	0.0				5.000	1000.00	1.000	0.0	NA	NA
LCS 280-669863/2	10070020.D	214076222	267243655	75	30.5				5.000	1000.00	1.000	0.152	0.250	61

Laboratory Sample ID	sample conc. (mg/kg)	MS/MSD conc. (mg/kg)	Spike amount (mg/kg)	% Recovery (Cm-Cs) / Ck *100	RPD RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
280-197419-G-1 MS	0.0	0.735	1.050	70	7
280-197419-G-1 MSD	0.0	0.788	1.120	70	

Method	8081	8081	8081	8081
Sample ID	ICV 280-666729/11	CCVIS 280-670005/4	CCV 280-670005/14	CCV 280-670005/39
File ID	09090011.D	10070004.D	10070014.D	10070039.D
Surrogate	Tetrachloro-m-xylene	Tetrachloro-m-xylene	Tetrachloro-m-xylene	Tetrachloro-m-xylene
IS Response	209756078	260388879	266577286	268496355
Surrogate Response	92939702	248541253	251438224	243807498
Calibration RF	1.31400	1.31400	1.31400	1.31400
IS spike concentration	75	75	75	75
Surr Spike Conc.	25	50	50	50
on column Surr Conc. (ug/ml)	25.3	54.5	53.8	51.8
Surrogate %D	1.2	9.0	7.7	3.7

yellow highlighted indicates calculations in these rows

green text = values match lab report

red text = manually input values from lab report

Method	8081	8081	8081	8081	8081
Sample ID	BGMW10102024	MB 280-669863/1	LCS 280-669863/2	280-197419-1 MS	280-197419-1 MSD
File ID	10070030.D	10070019.D	10070020.D	10070027.D	10070028.D
Surrogate	Tetrachloro-m-xylene	Tetrachloro-m-xylene	Tetrachloro-m-xylene	Tetrachloro-m-xylene	Tetrachloro-m-xylene
IS Response	298064733	261633836	267243655	286661355	283670532
Surrogate Response	25029642	19263139	26109815	118919179	101183596
Calibration RF	1.31400	1.31400	1.31400	1.31400	1.31400
IS spike concentration	75	75	75	75	75
Surr Spike Conc.	10	10	10	10	10
on column Surr Conc. (ug/ml)	4.8	4.2	5.6	23.7	20.4
Surr %R	47.93	42.02	55.77	236.78	203.59

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Internal Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8082A
Instrument: SGC_J
SDG: 280-197419
Curve Date: 3/25/2024
Compound: PCB-1260 (peak 1)
Internal Standard: 1-Bromo-2-nitrobenzene

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet							
Compound Area Ax	ISTD Area Ais	Compound Conc Cx	ISTD Conc Cis	Y-Values	X-Values	X^2	RF
				Ax/Ais	Cx/Cis	$(Cx/Cis)^2$	(Ax*Cis)/(Ais*Cx)
1661809	93934119	25	100	1.769122	25	625	0.070765
2923758	95736878	50	100	3.053952	50	2500	0.061079
5418530	94707781	100	100	5.721314	100	10000	0.057213
10425954	94431461	200	100	11.040763	200	40000	0.055204
23450614	92655166	500	100	25.309559	500	250000	0.050619
34024707	94652530	750	100	35.946960	750	562500	0.047929
43347712	93749329	1000	100	46.237890	1000	1000000	0.046238
SUM OF EACH COLUMN :				129.0796	2625	1865625	0.3890

Linear Regression:

y = mx + b

Cx = (((Ax/Ais)-b)/m)*Cis

Weighting	Equal	1/X	$1/X^2$	Equation
Slope (m)			0.04912	m = [(sumwxy * sumw) - (sumwx * sumwy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
Intercept (b)			0.5699	b = [(sumwx^2 * sumwy) - (sumwx * sumwxy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
CC (R)			0.99828	r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt(([(sumw * sumwx2) - (sumwx * sumwx)] * [(sumw * sumwy2) - (sumwy * sumwy)])))]
COD (R^2)			0.997	POWER(R,2)

Sample Concentration Calculations														
Sample ID	File ID	Compound Area Ax	ISTD Area Ais	ISTD Conc Cis	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery
Equations:					Ax*Cis/Ais/RF	((Ax/Ais-b)/m)*Cis		((Ax*Cis)/(Ais)-b)/m)	Final Conc = (Raw result * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100	
BGMW10102024	1007028.D	0	99969279	100				0.0	5.000	220.10	1.000	0.00	NA	NA
ICV 280-646944/11	0325011.D	12729091	93917251	100				264.3	1.000	1.00	1.000	264.33	NA	NA
CCVIS 280-669957/4	1007004.D	26621795	97589185	100				543.8	1.000	1.00	1.000	543.77	NA	NA
CCV 280-669957/20	1007020.D	28699893	97555302	100				587.3	1.000	1.00	1.000	587.33	NA	NA
CCV 280-669957/37	1007037.D	29815622	93996284	100				634.2	1.000	1.00	1.000	634.17	NA	NA
MB 280-669863/1-A	1007021.D	0	102256866	100				0.0	5.000	1000.00	1.000	0.00	NA	NA
LCS 280-669863/3-A	1007022.D	5620590	99686748	100				103.2	5.000	1000.00	1.000	0.56	0.500	113

Laboratory Sample ID	sample conc. (ug/L)	MS/MSD conc. (ug/L)	Spike amount (ug/L)	% Recovery	RPD
				(Cm-Cs) / Ck *100	RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
280-197419-1 MS	0.0	2.370	2.210	107	2
280-197419-1 MSD	0.0	2.420	2.190	111	

Method	8082A		8082A		8082A	
Sample ID	BGMW10102024	BGMW10102024	MB 280-669863/1-A	MB 280-669863/1-A	LCS 280-669863/3-A	LCS 280-669863/3-A
File ID	1007028.D	1007028.D	1007021.D	1007021.D	1007022.D	1007022.D
Surrogate	Tetrachloro-m-xylene	DCB Decachlorobiphenyl	Tetrachloro-m-xylene	DCB Decachlorobiphenyl	Tetrachloro-m-xylene	DCB Decachlorobiphenyl
IS Response	91376553	99969279	94574720	102256866	91542816	99686748
Surrogate Response	7175290	13731190	5588954	13669824	5004572	13790185
Calibration RF	1.1659	1.1224	1.1659	1.1224	1.1659	1.1224
IS spike concentration	100	100	100	100	100	100
Surr Spike Conc.	10	10	10	10	10	10
on column Surr Conc. (ug/ml)	6.7	12.2	5.1	11.9	4.7	12.3
Surr %R	67.35	122.38	50.69	119.10	46.89	123.25

Method	8082A		8082A	
Sample ID	280-197419-1 MS	280-197419-1 MS	280-197419-1 MSD	280-197419-1 MSD
File ID	1007025.D	1007025.D	1007026.D	1007026.D
Surrogate	Tetrachloro-m-xylene	DCB Decachlorobiphenyl	Tetrachloro-m-xylene	DCB Decachlorobiphenyl
IS Response	93712421	101985138	93572429	101570384
Surrogate Response	7129834	12866442	7212211	12214041
Calibration RF	1.1659	1.1224	1.1659	1.1224
IS spike concentration	100	100	100	100
Surr Spike Conc.	10	10	10	10
on column Surr Conc. (ug/ml)	6.5	11.2	6.6	10.7
Surr %R	65.26	112.40	66.11	107.14

yellow highlighted indicates calculations in these rows

green text = values match lab report

red text = manually input values from lab report

Method	8082A		8082A	
Sample ID	ICV 280-646944/11	ICV 280-646944/11	CCVIS 280-669957/4	CCVIS 280-669957/4
File ID	0325011.D	0325011.D	1007004.D	1007004.D
Surrogate	Tetrachloro-m-xylene	DCB Decachlorobiphenyl	Tetrachloro-m-xylene	DCB Decachlorobiphenyl
IS Response	105670663	93917251	97589185	97589185
Surrogate Response	14873761	13268586	30620618	30103135
Calibration RF	1.166	1.122	1.166	1.122
IS spike concentration	100	100	100	100
Surr Spike Conc.	12.5	12.5	25	25
on column Surr Conc. (ug/ml)	12.1	12.6	26.9	27.5
Surrogate %D	-3.4	0.7	7.6	10.0

Method	8082A		8082A	
Sample ID	CCV 280-669957/20	CCV 280-669957/20	CCV 280-669957/37	CCV 280-669957/37
File ID	1007020.D	1007020.D	1007037.D	1007037.D
Surrogate	Tetrachloro-m-xylene	DCB Decachlorobiphenyl	Tetrachloro-m-xylene	DCB Decachlorobiphenyl
IS Response	97555302	97555302	93996284	93996284
Surrogate Response	33493040	33689532	34473391	34802198
Calibration RF	1.166	1.122	1.1659	1.1224
IS spike concentration	100	100	100	100
Surr Spike Conc.	25	25	25	25
on column Surr Conc. (ug/ml)	29.4	30.8	31.5	33.0
Surrogate %D	17.8	23.1	25.8	31.9

yellow highlighted indicates calculations in these rows

green text = values match lab report

red text = manually input values from lab report

Internal Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8260
Instrument: VMS_P
SDG: 280-197419
Curve Date: 10/8/2024
Compound: Dichlorobromomethane
Internal Standard: Fluorobenzene

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet							
Compound Area Ax	ISTD Area Ais	Compound Conc Cx	ISTD Conc Cis	Y-Values	X-Values	X^2	RF
				Ax/Ais	Cx/Cis	$(Cx/Cis)^2$	(Ax*Cis)/(Ais*Cx)
7143	989884	1	50	0.721600	2	4	0.360800
12995	957768	2	50	1.356800	4	16	0.339200
36408	971613	5	50	3.747171	10	100	0.374717
79348	1008176	10	50	7.870451	20	400	0.393523
366486	987138	50	50	37.126116	100	10000	0.371261
542492	986099	75	50	55.013949	150	22500	0.366760
741551	1001102	100	50	74.073471	200	40000	0.370367
1476620	999570	200	50	147.725522	400	160000	0.369314
SUM OF EACH COLUMN :				327.6351	886.0000	233020.0000	2.9459

CALIBRATION MODELS:
Average Response Factor:
Cx = Ax*Cis/Ais/RF

Average RF	0.368	AVERAGE(RF)
RSD	4.10%	STDEV(RF)/(AveRF)

Sample Concentration Calculations															
Sample ID	File ID	Compound Area Ax	ISTD Area Ais	ISTD Conc Cis	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery	RPD
Equations:					Ax*Cis/Ais/RF	((Ax/Ais-b)/m)*Cis		((Ax*Cis)/(Ais)-b)/m)	Final Conc = (Raw result * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
QC01102024EB	P1329.D	6285	886001	50	0.96				5.000	5.00	1.000	0.96	NA	NA	NA
ICV 280-670160/25	P1264.D	365430	963601	50	51.49				5.000	5.00	1.000	51.49	NA	NA	NA
CCV 280-670412/2	P1321.D	372323	964400	50	52.42				5.000	5.00	1.000	52.42	NA	NA	NA
CCVC 280-670412/35	P1349.D	320704	848879	50	51.30				5.000	5.00	1.000	51.30	NA	NA	NA
CCV 280-670581/2	P1381.D	345563	890258	50	52.70				5.000	5.00	1.000	52.70	NA	NA	NA
CCVC 280-670581/33	P1407.D	307692	824165	50	50.69				5.000	5.00	1.000	50.69	NA	NA	NA
MB 280-670412/9	P1326.D	0	878700	50	0.00				5.000	5.00	1.000	0.00	NA	NA	NA
MB 280-670581/9	P1386.D	0	893882	50	0.00				5.000	5.00	1.000	0.00	NA	NA	NA
LCS 280-670412/4	P1321Y.D	372323	964400	50	52.42				5.000	5.00	1.000	52.42	50.000	105	2
LCSD 280-670412/5	P1323.D	336901	851751	50	53.71				5.000	5.00	1.000	53.71	50.000	107	
LCS 280-670581/4	P1381U.D	345563	890258	50	52.70				5.000	5.00	1.000	52.70	50.000	105	1
LCSD 280-670581/5	P1383.D	321363	838781	50	52.02				5.000	5.00	1.000	52.02	50.000	104	

Laboratory Sample ID	sample conc. (mg/kg)	MS/MSD conc. (mg/kg)	Spike amount (mg/kg)	% Recovery	RPD
				(Cm-Cs) / Ck *100	RPD= [(Cs-Cd)]/[(Cs+Cd)/2]*100
280-197419-1 MS	0.0	48.500	50.000	97	1
280-197419-1 MSD	0.0	48.100	50.000	96	

Method	8260		8260		8260	
Sample ID	QC01102024EB	QC01102024EB	MB 280-670412/9	MB 280-670412/9	MB 280-670581/9	MB 280-670581/9
File ID	P1329.D	P1329.D	P1326.D	P1326.D	P1386.D	P1386.D
Surrogate	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4
IS Response	886001	886001	878700	878700	893882	893882
Surrogate Response	221906	264931	216844	254884	222651	268218
Calibration RF	0.2516	0.2881	0.2516	0.2881	0.2516	0.2881
IS spike concentration	50	50	50	50	50	50
Surr Spike Conc.	50	50	50	50	50	50
on column Surr Conc. (ug/ml)	49.8	51.9	49.0	50.3	49.5	52.1
Surr %R	99.55	103.79	98.08	100.68	99.00	104.15

Method	8260		8260	
Sample ID	LCS 280-670412/4	LCS 280-670412/4	LCSD 280-670412/5	LCSD 280-670412/5
File ID	P1321Y.D	P1321Y.D	P1323.D	P1323.D
Surrogate	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4
IS Response	964400	964400		
Surrogate Response	243554	285321		
Calibration RF	0.2516	0.2881	0.2516	0.2881
IS spike concentration	50	50	50	50
Surr Spike Conc.	50	50	50	50
on column Surr Conc. (ug/ml)	50.2	51.3	#DIV/0!	#DIV/0!
Surr %R	100.38	102.69	#DIV/0!	#DIV/0!

Method	8260		8260	
Sample ID	LCS 280-670581/4	LCS 280-670581/4	LCSD 280-670581/5	LCSD 280-670581/5
File ID	P1381U.D	P1381U.D	P1383.D	P1383.D
Surrogate	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4
IS Response	890258	890258	851751	851751
Surrogate Response	224096	271205	211951	251530
Calibration RF	0.2516	0.2881	0.2516	0.2881
IS spike concentration	50	50	50	50
Surr Spike Conc.	50	50	50	50
on column Surr Conc. (ug/ml)	50.0	52.9	49.5	51.3
Surr %R	100.05	105.74	98.90	102.50

Method	8260		8260	
Sample ID	280-197419-1 MS	280-197419-1 MS	280-197419-1 MSD	280-197419-1 MSD
File ID	P1347.D	P1347.D	P1348.D	P1348.D
Surrogate	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4
IS Response	847298	847298	858119	858119
Surrogate Response	205440	248017	213060	254500
Calibration RF	0.2516	0.2881	0.2516	0.2881
IS spike concentration	50	50	50	50
Surr Spike Conc.	50	50	50	50
on column Surr Conc. (ug/ml)	48.2	50.8	49.3	51.5
Surr %R	96.37	101.60	98.68	102.94

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green text = values match lab report
red text = manually input values from lab report

Method	8260		8260		8260	
Sample ID	ICV 280-670160/25	ICV 280-670160/25	CCV 280-670412/2	CCV 280-670412/2	CCVC 280-670412/35	CCVC 280-670412/35
File ID	P1264.D	P1264.D	P1321.D	P1321.D	P1349.D	P1349.D
Surrogate	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4
IS Response	963601	963601	964400	964400	848879	848879
Surrogate Response	241978	270367	243554	285321	209167	244408
Calibration RF	0.251	0.2764	0.2516	0.2881	0.2516	0.2881
IS spike concentration	50	50	50	50	50	50
Surr Spike Conc.	50	50	50	50	50	50
on column Surr Conc. (ug/ml)	50.0	50.8	50.2	51.3	49.0	50.0
Surrogate %D	0.05	1.51	0.38	2.69	-2.07	-0.06

Method	8260		8260	
Sample ID	CCV 280-670581/2	CCV 280-670581/2	CCVC 280-670581/33	CCVC 280-670581/33
File ID	P1381.D	P1381.D	P1407.D	P1407.D
Surrogate	Dibromofluoromethane	1,2-Dichloroethane-d4	Dibromofluoromethane	1,2-Dichloroethane-d4
IS Response	890258	890258	824165	824165
Surrogate Response	224096	271205	202849	242851
Calibration RF	0.2516	0.2881	0.2516	0.2881
IS spike concentration	50	50	50	50
Surr Spike Conc.	50	50	50	50
on column Surr Conc. (ug/ml)	50.0	52.9	48.9	51.1
Surrogate %D	0.05	5.74	-2.18	2.28

yellow highlighted indicates calculations in these rows
green text = values match lab report
red text = manually input values from lab report

Internal Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8270
Instrument: SMS_3
SDG: 280-197419
Curve Date: 9/13/2024
Compound: N-Nitrosodiphenylamine
Internal Standard: Acenaphthene-d10

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet

Compound Area Ax	ISTD Area Ais	Compound Conc Cx	ISTD Conc Cis	Y-Values	X-Values	X^2	RF
				Ax/Ais	Cx/Cis	$(Cx/Cis)^2$	(Ax*Cis)/(Ais*Cx)
21727	376705	1	10	5.767643	10	100	0.576764
56463	350933	2.5	10	16.089396	25	625	0.643576
113738	365849	5	10	31.088783	50	2500	0.621776
293518	350909	12.5	10	83.645048	125	15625	0.669160
429185	343304	20	10	125.016021	200	40000	0.625080
657562	341596	30	10	192.496985	300	90000	0.641657
850824	332905	40	10	255.575615	400	160000	0.638939
1042903	349050	50	10	298.783269	500	250000	0.597567
SUM OF EACH COLUMN :				1008.4628	1610.0000	558850.0000	5.0145

CALIBRATION MODELS:
Average Response Factor:
Cx = Ax*Cis/Ais/RF

Average RF	0.627	AVERAGE(RF)
RSD	4.60%	STDEV(RF)/(AveRF)

Sample Concentration Calculations

Sample ID	File ID	Compound Area Ax	ISTD Area Ais	ISTD Conc Cis	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery
Equations:					Ax*Cis/Ais/RF	((Ax/Ais-b)/m)*Cis		((Ax*Cis)/(Ais)-b)/m)	Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100	
TMW46102024	SMS_3-100824016.D	27467	497643	10	0.88				1.000	255.60	1.000	3.4	NA	NA
ICV 280-667282/11	SMS_3-091324011.D	551728	351847	10	25.02				1.000	1.00	1.000	25.0	NA	NA
CCVIS 280-670107/3	SMS_3-100824002A.D	614058	475697	10	20.59				1.000	1.00	1.000	20.6	NA	NA
CCVC 280-670107/30	SMS_3-100824028.D	622282	484646	10	20.48				1.000	1.00	1.000	20.5	NA	NA
MB 280-669975/1-A	SMS_3-100824005.D	0	583075	10	0.00				1.000	250.00	1.000	0.0	NA	NA
LCS 280-669975/2-A	SMS_3-100824006.D	579292	477968	10	19.34				1.000	250.00	1.000	77.3	80.000	97

Laboratory Sample ID	sample conc.	MS/MSD conc.	Spike amount	% Recovery	RPD
			(Cm-Cs) / Ck *100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2] *100
280-197419-1 MS	0	65.10	86.10	76	17
280-197419-1 MSD	0	77.00	86.30	89	

Method	8270	8270	8270	8270	8270	8270	8270
Sample ID	BGMW07102024	MW28102024	TMW34102024	TMW46102024	TMW58102024	MW32102024	TMW44102024
File ID	SMS_3-100824009.D	SMS_3-100824013.D	SMS_3-100824014.D	SMS_3-100824016.D	SMS_3-100824017.D	SMS_3-100824019.D	SMS_3-100824022.D
Surrogate	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl
IS Response	492990	585857	636958	497643	515849	649966	518376
Surrogate Response	1121298	1409605	1536818	1199288	1252449	1589884	1227814
Calibration RF	1.3225	1.3225	1.3225	1.3225	1.3225	1.3225	1.3225
IS spike concentration	10	10	10	10	10	10	10
Surr Spike Conc.	25	25	25	25	25	25	25
on column Surr Conc. (ug/ml)	17.2	18.2	18.2	18.2	18.4	18.5	17.9
Surr %R	68.79	72.77	72.98	72.89	73.43	73.98	71.64

Method	8270	8270	8270	8270
Sample ID	MB 280-669975/1-A	LCS 280-669975/2-A	280-197419-1 MS	280-197419-1 MSD
File ID	SMS_3-100824005.D	SMS_3-100824006.D	SMS_3-100824010.D	SMS_3-100824011.D
Surrogate	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl	2-Fluorobiphenyl
IS Response	583075	477968	594420	496823
Surrogate Response	1193908	1299706	1399443	1323329
Calibration RF	1.3225	1.3225	1.3225	1.3225
IS spike concentration	10	10	10	10
Surr Spike Conc.	25	25	25	25
on column Surr Conc. (ug/ml)	15.5	20.6	17.8	20.1
Surr %R	61.93	82.25	71.21	80.56

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Method	8270	8270
Sample ID	CCVIS 280-670107/3	CCVC 280-670107/30
File ID	SMS_3-100824002A.D	SMS_3-100824028.D
Surrogate	2-Fluorobiphenyl	2-Fluorobiphenyl
IS Response	475697	484646
Surrogate Response	1342953	1359091
Calibration RF	1.3225	1.3225
IS spike concentration	10	10
Surr Spike Conc.	20	20
on column Surr Conc. (ug/mL)	21.3	21.2
Surrogate %D	6.73	6.02

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green text = values match lab report

red text = manually input values from lab report

Internal Standard Initial Calibration and Calculation Worksheet

Lab: EETA
Method: 8321
Instrument: LC_LCMS12
SDG: 280-197419
Curve Date: 10/4/2024
Compound: Dicamba
Internal Standard: 2,4-dichlorophenoxyacetic acid

red text = manually input values from lab report
green text = values match lab report

Initial Calibration Model Worksheet

Compound Area Ax	ISTD Area Ais	Compound Conc Cx	ISTD Conc Cis	Y-Values	X-Values	X^2	RF
				Ax/Ais	Cx/Cis	$(Cx/Cis)^2$	(Ax*Cis)/(Ais*Cx)
44761	12731337	1	25	0.351581	4	16	0.087895
84885	12712452	2	25	0.667731	8	64	0.083466
192288	12932270	5	25	1.486885	20	400	0.074344
399376	12753544	10	25	3.131490	40	1600	0.078287
774001	12329012	20	25	6.277883	80	6400	0.078474
1965588	12089900	50	25	16.258100	200	40000	0.081290
4003260	11585248	100	25	34.554806	400	160000	0.086387
SUM OF EACH COLUMN :				**62.7285**	**752**	**208480**	**0.5701**

Linear Regression:

y = mx + b
Cx = (((Ax/Ais)-b)/m)*Cis

Weighting	Equal	1/X	$1/X^2$	Equation
Slope (m)		0.08373		m = [(sumwxy * sumw) - (sumwx * sumwy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
Intercept (b)		-0.00850		b = [($sumwx^2$ * sumwy) - (sumwx * sumwxy)] / [(sumw * sumwx2) - (sumwx * sumwx)]
CC (R)		0.99904		r = [(sumw * sumwxy) - (sumwx * sumwy)] / (sqrt([(sumw * sumwx2) - (sumwx * sumwx)] * [(sumw * sumwy2) - (sumwy * sumwy)])))]
COD (R^2)		0.99809		POWER(R,2)

Sample Concentration Calculations

Sample ID	File ID	Compound Area Ax	ISTD Area Ais	ISTD Conc Cis	Ave RF On-column Conc	Linear Cal On-column Conc Equal Weighting	Linear Cal On-column Conc 1/X Weighting	Linear Cal On-column Conc $1/X^2$ Weighting	Final Volume (mL)	Initial Volume (mL)	Dilution factor	Final Concentration (ug/L)	Spike amount. (ug/L)	% Recovery	RPD
Equations:					Ax*Cis/Ais/RF	((Ax/Ais-b)/m)*Cis		((Ax*Cis)/(Ais)-b)/m)	Final Conc = (On column * Final Vol * DF) / (Initial Vol)				%R = (final conc / spike amt.)x100		
QC01102024EB	Herb100424021.d	0	8938093	25			0.000		1.000	0.50	1.000	0.00	NA	NA	NA
ICV 280-669828/11	Herb100424015.d	315711	12929399	25			9.828		1.000	1.00	1.000	9.05	NA	NA	NA
CCV 280-669829/12	Herb100424016.d	645869	12481741	25			17.987		1.000	1.00	1.000	19.00	NA	NA	NA
CCV 280-669829/23	Herb100424028.d	623803	12190138	25			17.817		1.000	1.00	1.000	18.90	NA	NA	NA
MB 280-669829/13	Herb100424017.d	0	13259939	25			0.000		1.000	0.50	1.000	0.00	NA	NA	NA
LCS 280-669829/14	Herb100424018.d	319682	13106101	25			9.821		1.000	0.50	1.000	18.22	20.000	91	7
LCSD 280-669829/15	Herb100424019.d	343611	13059801	25			10.393		1.000	0.50	1.000	19.48	20.000	97	

Laboratory Sample ID	sample conc.	MS/MSD conc.	Spike amount	% Recovery	RPD
			(Cm-Cs) / Ck *100		RPD= [(Cs-Cd)]/[(Cs+Cd)/2] *100
280-197419-1 MS	0	19.30	20.00	97	4
280-197419-1 MSD	0	18.50	20.00	93	

Method	8321	8321	8321	8321
Sample ID	QC01102024EB	MB 280-669829/13	LCS 280-669829/14	LCSD 280-669829/15
File ID	Herb100424021.d	Herb100424017.d	Herb100424018.d	Herb100424019.d
Surrogate	DCAA	DCAA	DCAA	DCAA
IS Response	13282515	13259939	13106101	13059801
Surrogate Response	4425990	4361467	4487528	4433118
Calibration RF	0.39800	0.39800	0.39800	0.39800
IS spike concentration	25	25	25	25
Surr Spike Conc.	20	20	20	20
on column Surr Conc. (ug/ml)	20.9	20.7	21.5	21.3
Surr %R	103.00	101.50	106.00	105.00

Method	8321	8321
Sample ID	280-197419-2 MS	280-197419-2 MSD
File ID	Herb100424022.d	Herb100424023.d
Surrogate	DCAA	DCAA
IS Response	13059551	13083931
Surrogate Response	4491078	4208979
Calibration RF	0.39800	0.39800
IS spike concentration	25	25
Surr Spike Conc.	20	20
on column Surr Conc. (ug/ml)	21.6	20.2
Surr %R	106.00	99.50

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Method	8321	8321	8321
Sample ID	ICV 280-669828/11	CCV 280-669829/12	CCV 280-669829/23
File ID	Herb100424015.d	Herb100424016.d	Herb100424028.d
Surrogate	DCAA	DCAA	DCAA
IS Response	12929399	12481741	12190138
Surrogate Response	4143138	8252205	8024914
Calibration RF	0.39800	0.39800	0.39800
IS spike concentration	25	25	25
Surr Spike Conc.	20	40	40
on column Surr Conc. (ug/ml)	20.1	41.5	41.4
Surrogate %D	-1.0	2.8	2.5

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red text = manually input values from lab report