

Groundwater Monitoring Report

RCRA Corrective Action Program
Boeing Renton Facility
Wood Project # PS20203450.2020 The Boeing Company

Prepared for:

The Boeing Company Seattle, Washington



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Prepared by:

Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, Washington 98101 USA

T: 206-342-1760

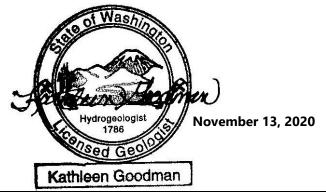
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As approved by the Washington State Department of Ecology (Ecology) in a letter dated July 31, 2020, progress reporting is conducted on a semiannual basis in conjunction with monitoring, operations, and maintenance activities conducted pursuant to the Order and as outlined in the Engineering Design Report (AMEC, 2014).

Wood Environment & Infrastructure Solutions, Inc.



Kathleen Goodman, L.G. L.Hg. Licensed Geologist/Hydrogeologist #1786



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1.0 Introduction

This report provides progress reporting in conformance with Section VII.B.1 of Agreed Order No. 8191 (Order) and summarizes cleanup actions and monitoring conducted at The Boeing Company (Boeing) Renton Facility (the Facility) during the dry season of 2020 (Figure 1). This work is required under the Resource Conservation and Recovery Act (RCRA) Corrective Action Program being performed at the Facility. Corrective action activities are performed for those solid waste management units (SWMUs), areas of concern (AOCs), and other areas where cleanup actions are ongoing. Monitoring, cleanup activities, and reporting are being conducted as part of the final remedy implementation described in the Engineering Design Report (EDR) (AMEC, 2014).

As approved by the Washington State Department of Ecology (Ecology) in a letter dated July 31, 2020, progress reporting is conducted on a semiannual basis in conjunction with monitoring, operations, and maintenance activities conducted pursuant to the Order and as outlined in the EDR.

The following documents summarize ongoing compliance activities conducted at the Facility:

- The original monitoring plan presented in Appendix D of the EDR (AMEC, 2014) was superseded by the Compliance Monitoring Plan (CMP) (Amec Foster Wheeler, 2016a), which was subsequently revised in the Addendum to the Compliance Monitoring Plan (CMP Addendum #1) (Amec Foster Wheeler, 2017).
- The groundwater monitoring program was further revised in the second Addendum to the Compliance Monitoring Plan (CMP Addendum #2) (Wood, 2019), which removed selected areas or wells from the sampling program. These changes were approved by Ecology.
- Boeing submitted a third Addendum to the Compliance Monitoring Plan (CMP Addendum #3) to Ecology on June 30, 2020 (CALIBRE, 2020). This addendum recommended further modifications to the groundwater monitoring program at the Facility and was approved by Ecology in July 2020.

Groundwater monitoring and cleanup actions are being conducted at the following areas (the ongoing remedies for each of these areas are noted in parentheses):

- SWMU-168: (monitored natural attenuation [MNA]);
- SWMU-172 and SWMU-174: (bioremediation, soil vapor extraction [SVE], and monitored attenuation [MA]);
- Building 4-78/79 SWMU/AOC Group: (bioremediation and MA; SVE has been discontinued, and Ecology approved the SVE system decommissioning in 2018);
- Former Fuel Farm AOC Group: (MNA);
- AOC-003: (bioremediation and MA);
- AOC-004: (bioremediation and MA);
- AOC-060: (bioremediation and MA);
- AOC-090: (bioremediation and MA); and
- Apron A: (bioremediation and MA).

The background and investigation history for each affected unit or group of units is described in the Cleanup Action Plan (CAP) (AMEC, 2012) and/or EDR (AMEC, 2014). This report includes results from monitoring for Apron A, as semiannual monitoring began in this area starting in the fourth quarter 2016 (Amec Foster Wheeler, 2016b).



The goals for cleanup of groundwater at the Facility, as described in the Cleanup Action Plan (CAP), include protection of groundwater for drinking water beneficial use at all areas of the site, and demonstration of protection of surface water beneficial uses at the conditional points of compliance (CPOCs) for each SWMU and AOC. Cleanup goals and comparison with specific criteria are discussed in this report for each SWMU and AOC. The protection of groundwater for beneficial uses, for each constituent of concern (COC), are based on site-specific cleanup levels (CULs) specified in the CAP. Ecology has made multiple clarifications and changes to MTCA since the draft CAP (AMEC 2012) was prepared that are relevant to the Facility CULs. Boeing is currently working with Ecology on proposed updates to the CULs based on Model Toxics Control Act (MTCA) criteria for potable water which are demonstrated to also be protective of other exposure pathways and applicable promulgated criteria (CALIBRE, 2019a) but these revisions have not been approved by Ecology. The measured COC concentrations in groundwater presented in this report are compared with the CULs specified in the CAP and are also compared to the MTCA criteria for potable water supply.

This semiannual report:

- Describes work completed during the reporting period;
- Describes any deviations from corrective action tasks required under the Order and/or CAP;
- Describes revisions to the corrective action schedule;
- Describes work projected to occur during the next half year sampling event, including any planned deviation from the CAP:
- Discusses remediation operation and maintenance activities conducted at the Facility during the reporting period;
- Documents monitoring activities conducted during the reporting period;
- Describes and discusses trends in monitoring data;
- Assesses remediation at each area; and
- Assesses attainment of CULs at the CPOCs.

This report presents information based on monitoring activities conducted during the dry season 2020 for the period from July through December 2020. In accordance with the requirements of the Order, corrective action activities were conducted at the Facility as described in this report.

1.1 Work completed in the dry season 2020

The following work was completed during the dry season 2020, the period from July through December 2020:

- Groundwater monitoring for the dry season 2020 was completed during August 2020.
- On behalf of Boeing, Wood submitted the second quarter 2020 report to Ecology on August 14, 2020.
- Recommendations for revisions to the compliance monitoring program were submitted to Ecology on June 30, 2020.
- Ecology's conditional approval to CMP Addendum #3 was received on July 31, 2020.

1.2 Deviations from required tasks

No deviations from tasks required in the Order occurred during this activity period.



1.3 Deviations from CAP

No deviations from the CAP occurred during this activity period. Modifications proposed in CMP Addendum #3 (CALIBRE, 2020), and approved by Ecology, have been incorporated into this sampling event, and are reported below.

1.4 Schedule revisions

Modifications to the schedule are presented in CMP Addendum #3, and these changes are summarized in Appendix A. The modifications in CMP Addendum #3 included a change from both quarterly and semiannual sampling to a sitewide semiannual program with sampling events to occur once each during the wet and dry seasons, in February and August, respectively. The revised monitoring schedule is detailed in Appendix A, Table A-1. This revised sampling schedule began in August 2020.

In 2021, the wet season report will be delivered to Ecology on or before May 30 and the dry season report will be delivered to Ecology on or before November 30.

1.5 Work projected for the next reporting period

The following work is projected for the 2021 wet season event:

- Reporting will be completed in accordance with the Order, CAP, EDR, and changes approved by Ecology, including those modifications proposed in CMP Addendum #3 (CALIBRE, 2020).
- Substrate injections to continue enhanced reductive dechlorination (ERD) treatment for bioremediation will occur in SWMU 172/174, the Building 4-78/79 SWMU/AOC Group, AOC-003, AOC-060, AOC-090, and Apron A.
- Soil with total petroleum hydrocarbons (TPH) exceeding CULs within unsaturated and smear zones is
 planned for excavation on the east side of Building 4-79. Groundwater elevations are currently being
 monitored to determine when water levels will be low enough to allow for sufficient excavations to
 occur in 2021.

2.0 Groundwater sampling methodology

Groundwater was sampled and analyzed as described in Appendix A. These procedures are in accordance with the methods specified in the CMP (Amec Foster Wheeler, 2016a) and CMP Addendum #3 (CALIBRE, 2020). Table A-1 summarizes the current groundwater monitoring program and constituents of concern (COCs) specified in the CAP and revised in CMP Addendum #1 (Amec Foster Wheeler, 2017), CMP Addendum #2 (Wood, 2019) and CMP Addendum #3 (CALIBRE, 2020) for all Facility corrective action areas. Table A-2 summarizes the current groundwater monitoring program for the corrective action areas that include MNA or MA as part of the cleanup remedy specified in the CAP. Tables A-1 and A-2 specify monitoring requirements for Apron A, which was not included in the CAP. Any changes or exceptions to the sampling or analytical methods cited in Appendix A during the event is described in the applicable subsections in Section 3. The field data sheets, which document the groundwater sample collection and field parameter monitoring for each well sampled during this event, are included in Appendix B.

The analytical methods, field duplicate, lab duplicate, and matrix spike/matrix spike duplicate frequencies are specified in the Quality Assurance Project Plan (Amec Foster Wheeler, 2016c). The full analytical reports provided by the laboratory are provided separately on compact disc. The data validation memoranda are included in Appendix C.



3.0 Corrective action activities completed during the reporting period

This section describes the corrective action activities conducted at the Facility during the dry season 2020. Operation of the SVE system at SWMU-172/174 continued during the dry season, as discussed in Section 3.2.1.2. Compliance monitoring was conducted in accordance with the CMP (Amec Foster Wheeler, 2016a) and CMP Addendum #3 (CALIBRE, 2020).

3.1 SWMU-168

This section describes corrective action activities conducted at this SWMU. Figure 2 shows the locations of the groundwater monitoring wells at SWMU-168, as well as the groundwater elevations measured during this monitoring event. The cleanup remedy for SWMU-168 is MNA; therefore, cleanup activities consist of monitoring only.

3.1.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the dry season.

3.1.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan occurred for this area during the dry season. The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. CPOC area wells GW229S and GW231S have been removed from the monitoring plan in this area. Constituents of concern remained the same.

3.1.3 Water levels

Groundwater elevations measured during the dry season 2020 groundwater monitoring event at SWMU 168 are summarized in Table 1 and shown on Figure 2. Groundwater elevation contours are not shown since only one well is currently monitored in this group.

3.1.4 Groundwater monitoring results

Results for primary geochemical indicators are presented in Table 2; results for the SWMU-168 COCs are presented in Table 3; and COC results for sampling events in recent years are presented in Appendix D. Groundwater in this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A, which includes semiannual monitoring at the CPOC for both the area COCs and the primary geochemical indicators listed in Table A-2.

3.1.4.1 Natural attenuation/geochemical indicators

The geochemical indicator results are presented in Table 2. Data from the CPOC area well indicate that conditions are conducive to natural attenuation of vinyl chloride (VC) in this SWMU. The results for dissolved oxygen (DO) and oxidation reduction potential (ORP) measurements indicate reducing conditions. The pH value measured was near neutral.

3.1.4.2 COC results for source area

Groundwater samples were not collected from the source area well for SWMU-168, following the sampling schedule presented in Tables A-1 and A-2.



3.1.4.3 COC results for conditional point of compliance area

Monitoring results for the CPOC area monitoring well are shown in Table 3. The concentration of VC in the groundwater from CPOC well GW230I was above the CUL for VC at 0.162 microgram per liter (μ g/L) but below the MTCA criteria for potable water supply. Historical trends for VC in GW230I are shown in Appendix D and depicted on Figure 3.

3.2 SWMU-172 and SWMU-174

This section describes corrective action activities conducted at these two SWMUs. The cleanup remedy for SWMU-172 and SWMU-174 is a combination of bioremediation, SVE, and MA. Figure 4 shows the layout of the groundwater monitoring wells and the remediation system for these SWMUs.

3.2.1 Cleanup action activities

3.2.1.1 Installation/construction activities

No installation/construction activities were conducted for these SWMUs during the dry season 2020.

3.2.1.2 Soil vapor extraction and bioremediation operations

The SVE system operated throughout the dry season in 2020. Details for system operations are included in the SVE operations and monitoring summary prepared by CALIBRE and included as Appendix E.

3.2.2 Compliance monitoring plan deviations

No deviations from the compliance monitoring plan occurred for this area during the dry season event. The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. Downgradient plume area well GW081S, and CPOC area well GW233I were removed from the monitoring plan under Addendum #3. Constituents of concern remained the same for SWMU-172 and SWMU-174.

3.2.3 Water levels

Groundwater elevations for the SWMU-172 and SWMU-174 area measured during the dry season event 2020 are summarized in Table 4 and shown on Figure 4. The contoured water level elevation data for August 2020 show that groundwater generally flows east from SWMU-172 and SWMU-174 toward the Cedar River Waterway, with an approximate hydraulic gradient of 0.015 foot/foot.

3.2.4 Groundwater monitoring results

Groundwater in this area is monitored following the schedules presented in Tables A-1 and A-2 in Appendix A. Results for primary geochemical indicators are presented in Table 5; results for the SWMU-172 and SWMU-174 area COCs are presented in Table 6.

3.2.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 5. The pH measurements for all SWMU-172 and SWMU-174 monitoring wells were near neutral at greater than 6.0 standard units . The other natural attenuation parameter results indicate that geochemical conditions were generally uniform and reducing across this area. Reducing conditions indicate the dechlorination of volatile organic compounds are likely throughout this area. Total organic carbon (TOC) concentrations ranged from 0.89 milligrams per liter (mg/L) to 10.31 mg/L for all SWMU-172 and SWMU-174 monitoring wells.



3.2.4.2 COC results for source and downgradient plume areas

Table 6 lists dry season 2020 analytical results for the SWMU-172 and SWMU-174 COCs. Figures 5 and 6 show historical trend plots for tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), and cis 1,2 dichloroethene (cis-1,2-DCE) in source area wells GW152S and GW153S, and in downgradient plume area wells GW172S and GW173S. Flow generally moves from the vicinity of source area well GW152S to downgradient plume area well GW172S, and from source area well GW153S to downgradient plume area well GW173S. PCE and TCE are the chlorinated solvents that were used at the Facility, and cis-1,2-DCE and VC are breakdown products resulting from biodegradation processes.

As shown in Table 6, cis-1,2-DCE, TCE, PCE, and VC concentrations exceeded the CULs in the groundwater from source area well GW152S (and the associated duplicate sample). All other source area and downgradient plume area wells only had one or two analytes above respective CULs. As shown in Figures 5 through 7, the concentrations of COCs in groundwater from source area wells and downgradient plume area wells have generally remained stable or decreased over time. All cis-1,2-DCE, TCE, and PCE concentrations in groundwater from the source area and downgradient plume area wells meet the MTCA criteria for potable water supply; VC is close to the potable water criterion in GW152S at 0.284 μ g/L (duplicate sample at 0.299 μ g/L).

Arsenic was detected above the CUL in the groundwater from all source area and downgradient plume area wells. As shown in Figure 8, the arsenic concentrations in groundwater have generally remained stable in wells from both the source area and downgradient plume area based on the results from this dry season sampling event. The observed range of arsenic in groundwater is consistent with the naturally occurring background arsenic range reported by Ecology¹ (Ecology 2018) for Washington State. Ecology (2018) reported a naturally occurring background arsenic concentration of range of 2 to 8 µg/L in Washington.

Both copper and lead concentrations were above the CULs in source area well GW152S and its associated downgradient plume area well GW172S. Copper and lead were below CULs in all other source area and downgradient plume area wells. Metals concentrations were below the applicable MTCA criteria for potable water supply, except for arsenic in GW152S, GW172S, and GW173S.

3.2.4.3 COC results for conditional point of compliance area

Results from the CPOC area wells are presented in Table 6, and trend charts for cis-1,2-DCE, TCE, and VC for all CPOC area wells are presented in Figure 9. As shown in Table 6, cis-1,2-DCE was detected above the CUL in the groundwater from all CPOC area wells at concentrations ranging from 0.0881 to 0.482 μ g/L; TCE was detected above the CUL in the groundwater from GW235I; and VC was detected above the CUL in the groundwater from GW232S. PCE was not detected in the groundwater from the CPOC wells and is not shown in Figure 9.

Arsenic was detected above the CUL in the groundwater from all CPOC area wells, except for GW235I; both copper and lead were detected above the CULs in the groundwater from CPOC area well GW236S; and lead was detected above the CUL in GW234S (Table 6). Figure 10 shows arsenic, copper, and lead concentration trends since the beginning of compliance monitoring in groundwater from the CPOC area wells. As shown in Figure 10, arsenic, copper, and lead concentrations have decreased over the last year of monitoring and have come back into the previously stable range for all CPOC area wells.

¹. The 2018 Ecology background study is based on testing from over 2,500 supply wells used for potable supply in Puget Sound Basin. All samples are from water supply aquifers with no known anthropogenic impacts.



While select COC concentrations exceed the CULs in the groundwater from select CPOC wells, all of these COC concentrations were below the applicable MTCA criteria for potable water supply in the groundwater from all CPOC area wells, with the exceptions of arsenic in GW236S and vinyl chloride in GW232S.

3.3 Building 4-78/79 SWMU/AOC group

This section describes corrective action activities conducted at the Building 4-78/79 SWMU/AOC Group during the dry season 2020. The cleanup remedy for this SMWU/AOC group is bioremediation and MA; SVE has been discontinued and the system was decommissioned. Figure 11 shows the location of groundwater monitoring wells, bioremediation wells, and SVE wells for this area.

3.3.1 Cleanup action activities

3.3.1.1 Installation/construction activities

No installation/construction activities were conducted for this SWMU/AOC Group during the dry season 2020.

3.3.1.2 Soil vapor extraction and bioremediation operations

As previously reported during the 2018 monitoring events, the SVE system at the Building 4-78/79 SWMU/AOC Group was shut down during the first quarter of 2018, during which rebound testing was implemented. Soil samples were collected during the second quarter 2018 to assess the attainment of soil CULs, and results were reported in the second quarter monitoring report (Wood, 2018). The CULs were attained with one exception: the sample from 4.5 feet below ground surface at well PP13 had a concentration of TPH as gasoline (TPH-G) of 147 milligrams per kilogram (mg/kg), and the field duplicate was 131 mg/kg, above the CUL of 30 mg/kg.

A revised investigation work plan (CALIBRE, 2019b) to inform the scope of work for excavating the soils near PP13 and GW031S (shown in Figure 11) was submitted to Ecology on May 8, 2019, in response to a request from Ecology. The investigation described in the work plan was conducted on June 13 and 14, 2019, and the results were submitted to Ecology in November 2019 (CALIBRE 2019c). Groundwater elevations were monitored during subsequent monitoring events to determine the best time for soil removal activities. As documented in an email to Ecology dated October 22, 2019, the soil excavation work had not been completed because groundwater levels were not low enough before the start of the rainy season to schedule the work. TPH-G concentrations in groundwater continue to be monitored. The workplan for soil excavation of the Building 4-78/79 hydrocarbon source area is currently in preparation with an anticipated excavation start date in the third quarter of 2021.

No new nitrate/sulfate injections have been completed since January 2020. Sampling occurred in February 2020. Trend charts for cis-1,2-DCE and benzene in the injection wells are presented in Figure 12, and charts for TCE and VC in the injection wells are presented in Figure 13.

3.3.2 Compliance monitoring plan deviations

No deviations from the compliance monitoring plan occurred for this area during the dry season event. The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. Source area wells GW039S and GW243I; downgradient plume area wells GW038S, GW209S, and GW210S; and CPOC area wells GW238I, GW239I, GW241S, and GW242I were removed from the monitoring plan for this SWMU/AOC group. Constituents of concern remained the same for this group.



3.3.3 Water levels

Table 7 presents the groundwater elevations measured during the dry season groundwater monitoring event at the Building 4-78/79 SWMU/AOC group. As shown in Figure 11, the observed direction of groundwater flow from the source area during August 2020 is generally to the southeast, with a hydraulic gradient of 0.004 foot/foot.

3.3.4 Groundwater monitoring results

Results for primary geochemical indicators are presented in Table 8; results for the COCs for the Building 4-78/79 SWMU/AOC Group are presented in Table 9. Groundwater at this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A.

3.3.4.1 Natural attenuation/geochemical indicators

The geochemical indicator results are presented in Table 8. In general, source area, downgradient, and CPOC area wells had low levels of dissolved oxygen. The pH was near neutral in all wells, and just below 6.0 standards units in GW240D. The source area wells showed reducing conditions with low dissolved oxygen and negative ORP readings. Results for the other primary geochemical indicators were generally consistent in all wells. TOC concentrations in source area wells ranged from 6.46 to 13.30 mg/L.

3.3.4.2 COC results for source area

Table 9 lists analytical results for COCs during the dry season event at the Building 4-78/79 SWMU/AOC Group. The CULs established in the CAP for the CPOC are also presented on Table 9. Figures 14 and 15 are trend charts showing historical trends for COCs for the source area wells.

As shown in Table 9, benzene, cis-1,2-DCE, TCE, and VC were detected above the respective CULs in groundwater from GW033S, and TPH-G was detected below the CUL. In source area well GW031S (and the duplicate sample) benzene, VC, and TPH-G were detected above the CULs. The CUL for VC was also exceeded in GW034S and GW244S, and for cis-1,2-DCE in GW244S.

Figure 14 shows trends for volatile organic compounds (VOCs) in source area wells GW031S and GW033S. COCs shown for GW031S appear to be generally stable with greater annual fluctuations in benzene. Trends in GW033S appear to show greater fluctuation, with cis-1,2-DCE and VC results increasing over the past six monitoring events. However, concentrations are still below the highest levels recorded during 2017 events, since monitoring began. Figure 15 shows trends for VOCs in source area wells GW034S and GW244S. Concentrations of COCs in GW034S appear generally stable, with all COCs below laboratory detection limits for the past seven monitoring events, except for VC. COC concentrations in GW244S have generally trended down since monitoring began.

Concentrations of COCs in the groundwater from select source area wells remain above the MTCA criteria for potable water supply (specifically benzene, cis-1,2-DCE, VC, and TPH-G). Active treatment is ongoing.

3.3.4.3 COC results for conditional point of compliance area

Groundwater monitoring results in the CPOC area for the dry season 2020 are summarized in Table 9. Trends for CPOC wells GW143S, GW237S, and GW240D are shown in Figures 16 through 18. Benzene, TCE, VC, and TPH-G were not detected in groundwater from the CPOC area wells at concentrations above the CULs. Cis-1,2-DCE was detected above the CUL in groundwater from GW143S. As shown in Figure 16, benzene has been sporadically detected in the groundwater from CPOC area well GW237S but has not been detected above the CUL in the groundwater from any of the other CPOC wells. The benzene concentration in the groundwater from CPOC well GW237S was below the CUL during this dry season event. Cis-1,2-DCE



has been detected sporadically in groundwater from CPOC area well GW143S (above the CUL in this sampling event) but has not been detected above the CUL in the groundwater from any of the other CPOC wells (Figure 16). For the CPOC area wells, all COCs were below the MTCA criteria for potable water supply.

3.4 Former Fuel Farm AOC group

This section describes corrective action activities conducted at the Former Fuel Farm AOC group during the dry season 2020. The final remedy for the Former Fuel Farm is MNA.

3.4.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the dry season 2020.

3.4.2 Compliance monitoring plan deviations

No deviations from the compliance monitoring plan occurred for this area during the dry season. The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. source area well GW255S, and CPOC area wells GW183S, GW184S, GW212S, GW256S, GW257S, GW258S were removed from the monitoring program for this group. Constituents of concern remained the same for this group.

3.4.3 Water levels

Groundwater elevations for the Former Fuel Farm AOC Group measured during the dry season event are summarized in Table 10 and shown on Figure 19. Groundwater elevation contours are not shown since only three wells are monitored in this group and data is too limited to produce accurate contours. Groundwater flow direction is shown based on historical information from this AOC and is to the northeast.

3.4.4 Groundwater monitoring results

Results for primary geochemical indicators are presented in Table 11; results for COCs for the Former Fuel Farm AOC Group are presented in Table 12. Groundwater in this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A.

3.4.4.1 Monitored natural attenuation indicators

The geochemical indicator results are presented in Table 11. Results in Table 11 indicate that geochemical conditions are generally consistent throughout the Former Fuel Farm AOC Group. The pH in CPOC area wells was within 0.2 standard units of 6.0. Dissolved oxygen was generally low across wells in this area, and ORP was moderate for groundwater. The geochemical indicators indicate that conditions are generally conducive to natural attenuation of the COCs for the Former Fuel Farm AOC Group.

3.4.4.2 COC results for source area

The single source area well for this group was removed from the monitoring plan with the acceptance of CMP Addendum #3.

3.4.4.3 COC results for conditional point of compliance area

CPOC area monitoring results are presented in Table 12. Figure 20 shows trend data for CPOC area wells GW211S, GW221S, and GW224S. Figure 20 shows that the dry season event results for these wells are consistent with the historical monitoring results since late 2013, except for GW221S where concentrations of both TPH-D and Jet-A fuel have increased during the last two monitoring events.



Samples were analyzed for TPH in the diesel, motor oil, and Jet A ranges. TPH-D and Jet-A were detected above the CUL in GW221S and GW224S. Motor oil was not detected in any of the CPOC area wells.

3.5 AOC-001 and AOC-002

Apron R near AOC-001 and AOC-002 is under reconstruction. Therefore, no monitoring was conducted for this area during the dry season 2020. Monitoring wells in these areas were removed on November 25, 2019. Monitoring wells are planned to be reinstalled when construction is complete, currently anticipated for late 2022.

3.6 AOC-003

This section describes corrective action activities conducted at AOC-003 for the dry season event. The cleanup remedy for this AOC is bioremediation and MA. Figure 21 shows the location of groundwater monitoring and bioremediation wells at AOC-003, as well as the groundwater elevations measured during this monitoring event.

3.6.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the dry season event.

3.6.2 Compliance monitoring plan deviations

Groundwater samples for AOC-003 normally have TOC analyzed; however, a communication error between the planning and sampling team prevented the analysis of TOC during the dry season event. The constituents of concern monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. PCE, TCE, and cis-1,2-DCE were removed as COCs. Wells in the monitoring program remained the same for this AOC.

3.6.3 Water levels

Table 13 presents the groundwater elevations measured during the dry season event at AOC-003. Figure 21 shows the groundwater elevations from this event. Groundwater flow directions cannot be determined from the available groundwater elevation data.

3.6.4 Groundwater monitoring results

Groundwater at AOC-003 is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for geochemical indicators are presented in Table 14; results for the AOC-003 COCs are presented in Table 15.

3.6.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 14. Results in Table 14 indicate that geochemical conditions are generally consistent throughout this AOC. pH readings were near neutral for all wells in this area. Low DO and low to negative ORP readings were observed during this monitoring event, indicating reducing conditions.

3.6.4.2 COC results for source and downgradient plume areas

Wells in this group were analyzed for VC. Both source area and downgradient plume area wells were above the CUL and both wells (GW249S and GW188S) are also above the MTCA criteria for potable water. Figure 22 shows the historical trends of VC in GW249S and GW188S.



3.6.4.3 COC results for conditional point of compliance area

VC was analyzed at CPOC area wells and was detected at concentrations above the CULs in the groundwater from both CPOC wells (GW247S and GW248I), at concentrations of 0.392 and 0.383 μ g/L, respectively. Both wells are also above the MTCA criteria for potable water. Figure 23 shows the historical trends of VC in GW247S and GW248I.

3.7 AOC-004

This section describes corrective action activities conducted at AOC-004 for the dry season event. The cleanup remedy for this AOC is bioremediation and MA. Figure 24 shows the location of groundwater monitoring and bioremediation wells at AOC-004, as well as the groundwater elevations measured during this monitoring event.

3.7.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the dry season event.

3.7.2 Compliance monitoring plan deviations

The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. CPOC area well GW174S was removed from the monitoring program for AOC-004. COCs remained the same.

3.7.3 Water levels

Table 16 presents the groundwater elevation measured during the dry season event at AOC-004. Figure 24 shows the groundwater elevation from this event. Groundwater flow directions cannot be determined from the available groundwater elevation data.

3.7.4 Groundwater monitoring results

Groundwater at AOC-004 is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for geochemical indicators are presented in Table 17; results for the AOC-004 COCs are presented in Table 18.

3.7.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 17. The pH reading was near neutral for the well in this area. Low DO and moderate ORP readings were observed during this monitoring event.

3.7.4.2 COC results for source area

The well in this group was analyzed for lead. The groundwater in the source area well was below the CUL for lead and also below the MTCA criteria for potable water supply. Figure 25 shows the historical trend for lead in GW250S.

3.8 AOC-060

This section describes corrective action activities conducted at AOC-060 for the dry season event. The cleanup remedy for this AOC is bioremediation and MA. Figure 26 shows the location of groundwater monitoring and bioremediation wells at AOC-060, as well as the groundwater elevations measured during this monitoring event.

3.8.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the dry season event.

3.8.2 Compliance monitoring plan deviations

The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. GW149S, GW252S, and GW254S were removed from the monitoring program. COCs in the monitoring group remained the same.

3.8.3 Water levels

Table 19 presents the groundwater elevations measured during the dry season event at AOC-060. Figure 26 shows the groundwater elevations from this event. Determined from historical monitoring events, groundwater flow direction is generally to the west-southwest, toward the Cedar River Waterway. Groundwater contours are not shown due to few wells showing variation of hydraulic gradient across the site.

3.8.4 Groundwater monitoring results

Groundwater at AOC-060 is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for geochemical indicators are presented in Table 20; results for the AOC-060 COCs are presented in Table 21.

3.8.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 20. Results in Table 20 indicate that geochemical conditions are relatively consistent throughout this AOC. The pH was near neutral in this AOC, with two wells below 6.0 standard units, and all other wells between 6.0 to 6.5 standard units. Low DO and low to negative ORP readings were observed during this monitoring event, indicating reducing conditions. Wells in AOC-060 had TOC results ranging from 2.76 mg/L to 8.70 mg/L.

3.8.4.2 COC results for source and downgradient plume areas

Wells in this group were analyzed for cis-1,2-DCE, TCE, and VC (Table 21). Groundwater from all source area and downgradient plume area wells exceeded the CUL for cis-1,2-DCE, but all were below the MTCA criteria for potable water supply. Source area well GW009S also exceeded the CUL for TCE but was also below the MTCA criteria for potable water supply. Figure 27 shows historical trends for COCs in GW009S, which have been stable since monitoring began. TCE was not detected in downgradient plume area well GW014S (or its duplicate) but exceeded the CUL in groundwater from GW012S and GW147S. VC was below the CUL in all wells, except GW 012S, this single analyte (VC) in this one well exceeded the MTCA criteria for potable water supply. Figures 27 and 28 show historical trends for COCs in downgradient plume area wells. COC results in GW014S have been generally stable since monitoring began, but GW012S and GW147S exhibit more fluctuation in COC concentrations, possibly due to seasonal groundwater flow variations.

All groundwater samples in the source and downgradient plume areas meet the MTCA criteria for potable water supply, except VC in GW012S.

3.8.4.3 COC results for conditional point of compliance area

Both samples from CPOC area wells, GW150S and GW253I, exceeded the CULs for cis-1,2-DCE and TCE and were below the CUL for VC. Figure 29 shows historical trends of COCs in CPOC area wells GW150S and GW253I. All results from the CPOC area wells meet the MTCA criteria for potable water supply.



3.9 AOC-090

This section describes corrective action activities conducted at AOC-090 for the dry season event. The cleanup remedy for this AOC is bioremediation and MA. Figure 30 shows the location of groundwater monitoring and bioremediation wells at AOC-090, as well as the groundwater elevations measured during this monitoring event.

3.9.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the dry season event.

3.9.2 Compliance monitoring plan deviations

The wells and COCs monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. Wells GW163I, GW165I, GW175I, GW177I, GW179I, and GW180S were removed from the monitoring program. Analytes were reduced to chlorinated volatile organic compounds (CVOCs) and TPH in GW189S, and VC in the remaining wells. Normally GW189S would be analyzed for TOC, however, a communication error between the planning and sampling team prevented the analysis of TOC during this dry season event.

3.9.3 Water levels

Table 22 presents the groundwater elevations measured during the dry season event at AOC-090. Figure 30 shows the groundwater elevations from this event. Determined from historical monitoring events, groundwater flow direction is generally to the west-southwest, toward the Cedar River Waterway. Groundwater contours are not shown due to anomalous groundwater elevation readings.

3.9.4 Groundwater monitoring results

Groundwater at AOC-090 is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for geochemical indicators are presented in Table 23; results for the AOC-090 COCs are presented in Table 24.

3.9.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 23. Results in Table 23 indicate that geochemical conditions are consistent throughout this AOC. Temperature in this group is lower than the other AOCs. The pH was just below neutral in this AOC, with a range of 5.99 to 6.17 standard units. Low DO and moderate ORP readings were observed during this monitoring event, indicating reducing conditions.

3.9.4.2 COC results for source and downgradient plume areas

Groundwater from source area well GW189S exceeds the CUL for VC and TCE; all other CVOCs and TPH results were below CULs, the measured TCE level is below the MTCA criteria for potable water supply and VC is above it. Historical trends for GW189S are shown in Figure 31. Downgradient plume area well GW176S exceeded the CUL for VC and also exceeds the MTCA criteria for potable water supply.

Both groundwater samples from the source area and downgradient plume area exceed the CUL and MTCA standards for potable water supply for VC at 0.369 μ g/L in GW189S and 0.232 μ g/L in GW176S.

3.9.4.3 COC results for conditional point of compliance area

All samples from CPOC area wells exceeded the CUL for VC. Groundwater results from the CPOC area wells GW207S and GW208S exceed the MTCA standard for potable water supply for VC.

3.10 Building 4-70 area

The Building 4-70 Area was removed from the monitoring program with the acceptance of CMP Addendum #3.

3.11 Lot 20/Former Building 10-71 Parcel

The Lot 20/Former Building 10-71 Parcel was removed from the monitoring program with the acceptance of CMP Addendum #3.

3.12 Apron A area

This section describes corrective action activities conducted at the Apron A area during the dry season event. The cleanup remedy proposed for the Apron A area is bioremediation and MA. Figure 32 shows the locations of the groundwater monitoring wells in the Apron A area.

3.12.1 Cleanup action activities

No construction or operations work was conducted in the Apron A area during the dry season event.

3.12.2 Compliance monitoring plan deviations

The wells monitored in this group changed with the acceptance of CMP Addendum #3 by Ecology. Well GW262S was removed from the monitoring program for this area. COCs monitored for this group remained the same.

3.12.3 Water levels

The depth to groundwater measurements during the dry season at Apron A are presented in Table 25 and on Figure 32. Groundwater elevations are not available because the top of casing elevations were never surveyed. Groundwater flow direction is estimated based on historical information of the area.

3.12.4 Groundwater monitoring results

Results for primary geochemical indicators for groundwater from groundwater monitoring well GW264S are presented in Table 26; results for COCs from this well are presented in Table 27. Groundwater in this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A.

3.12.4.1 Monitored attenuation/geochemical indicators

Geochemical parameters are presented in Table 26. The TOC concentration in GW264S was elevated during the dry season event. The pH reading was slightly acidic at 5.96 standard units. Dissolved oxygen and ORP were conducive to a reducing environment for dechlorination of volatile organic compounds.

3.12.4.2 COC results

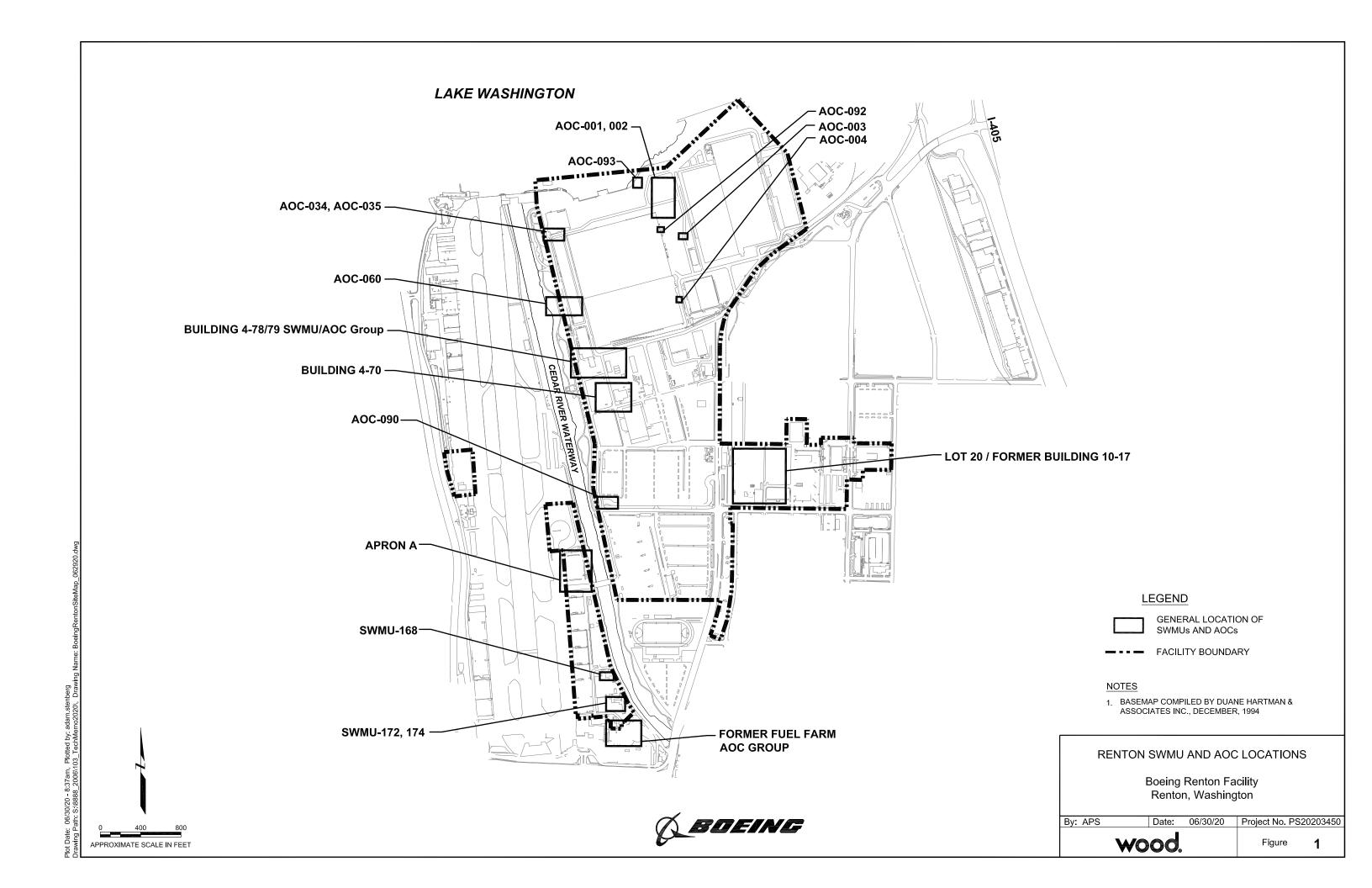
Apron A COCs (cis-1,2-DCE and VC) for GW264S are presented in Table 27. VC was not detected in the groundwater from GW264S. Cis-1,2-DCE was detected in the groundwater from monitoring well GW264S at a concentration of 0.52 μ g/L, which is below the applicable MTCA criterion for potable water supply.

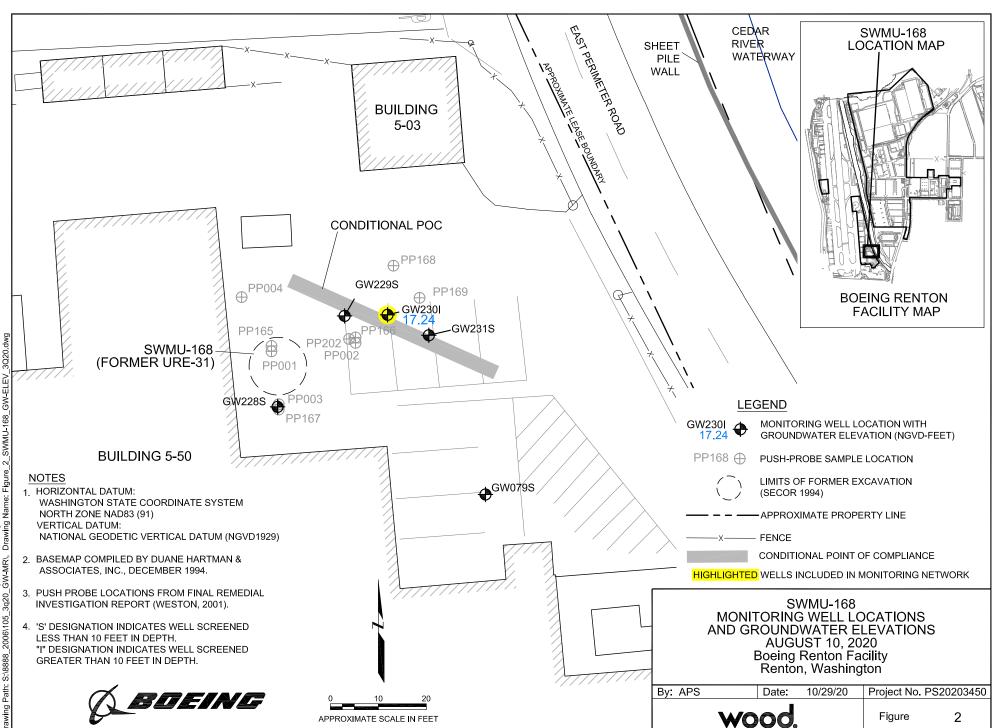


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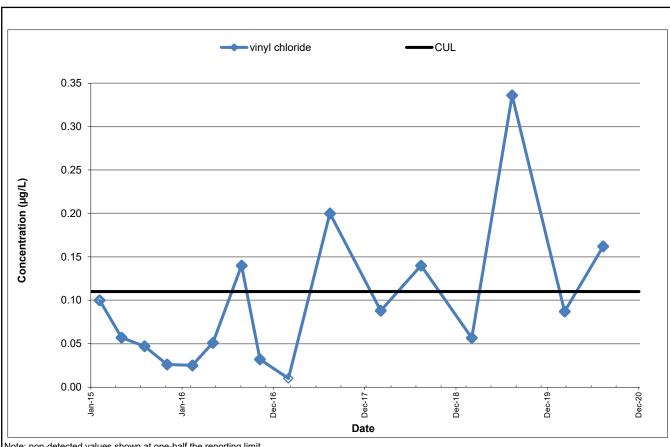
wood.





Plot Date: 10/29/20 - 10:58am, Plotted by: adam.stenberg Drawing Path: S: 8888 2006\105 3q20 GW-MR\, Drawing Name: F





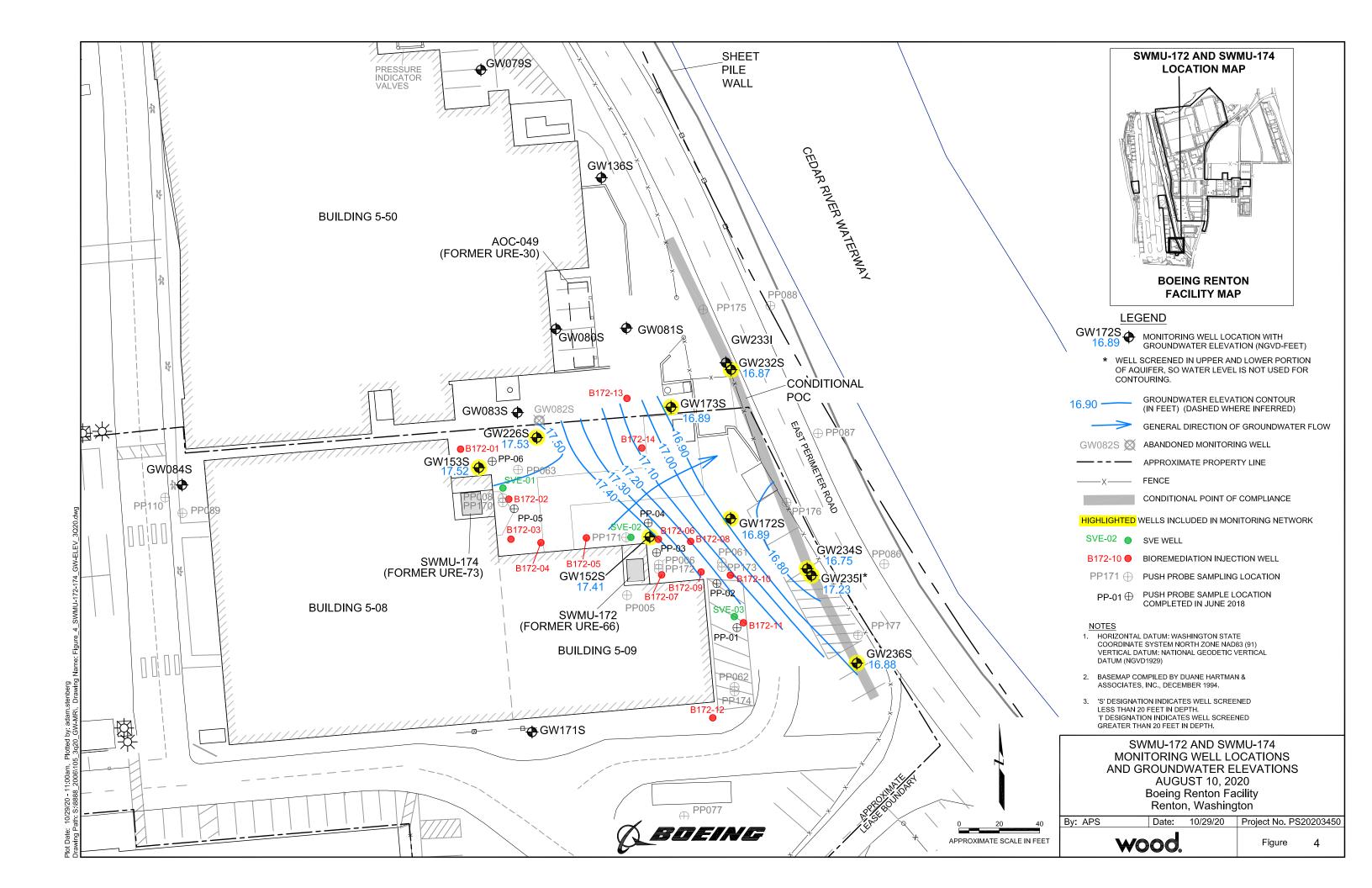
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CPOC AREA WELL GW230I

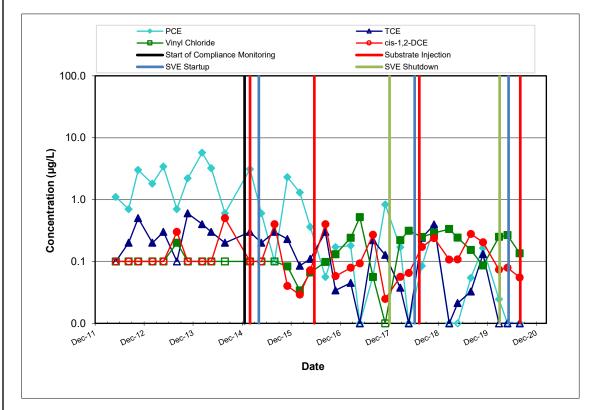
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SWMU-168 HISTORICAL VC TREND PLOT FOR CPOC WELL GW230I **Boeing Renton Facility** Renton, Washington

Project No. 8888



SOURCE AREA WELL GW152S



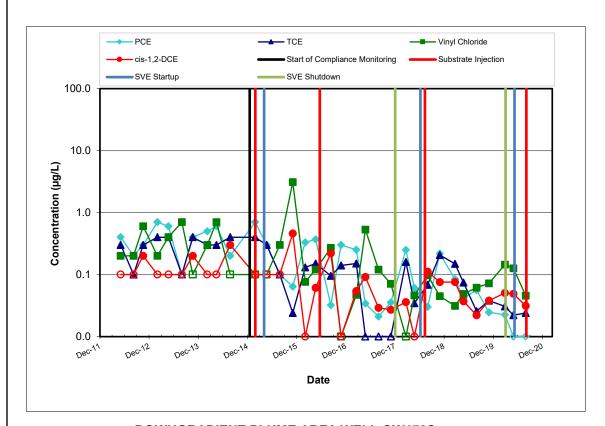
SOURCE AREA WELL GW153S

Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



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DOWNGRADIENT PLUME AREA WELL GW172S

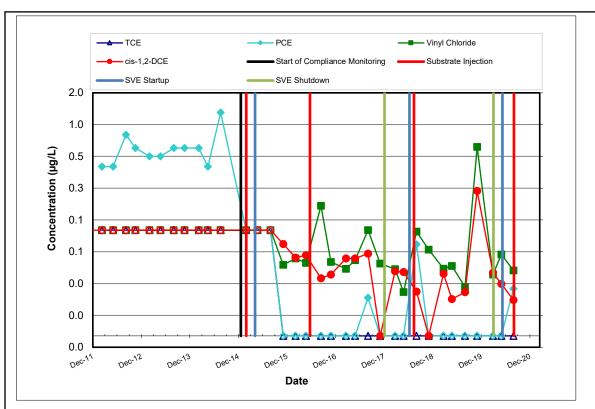


DOWNGRADIENT PLUME AREA WELL GW173S

Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

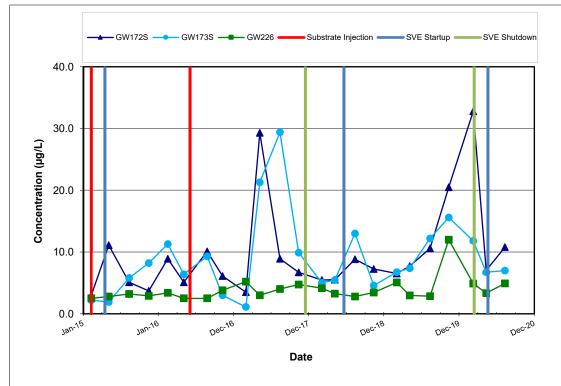


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Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

DOWNGRADIENT PLUME AREA WELL GW226S



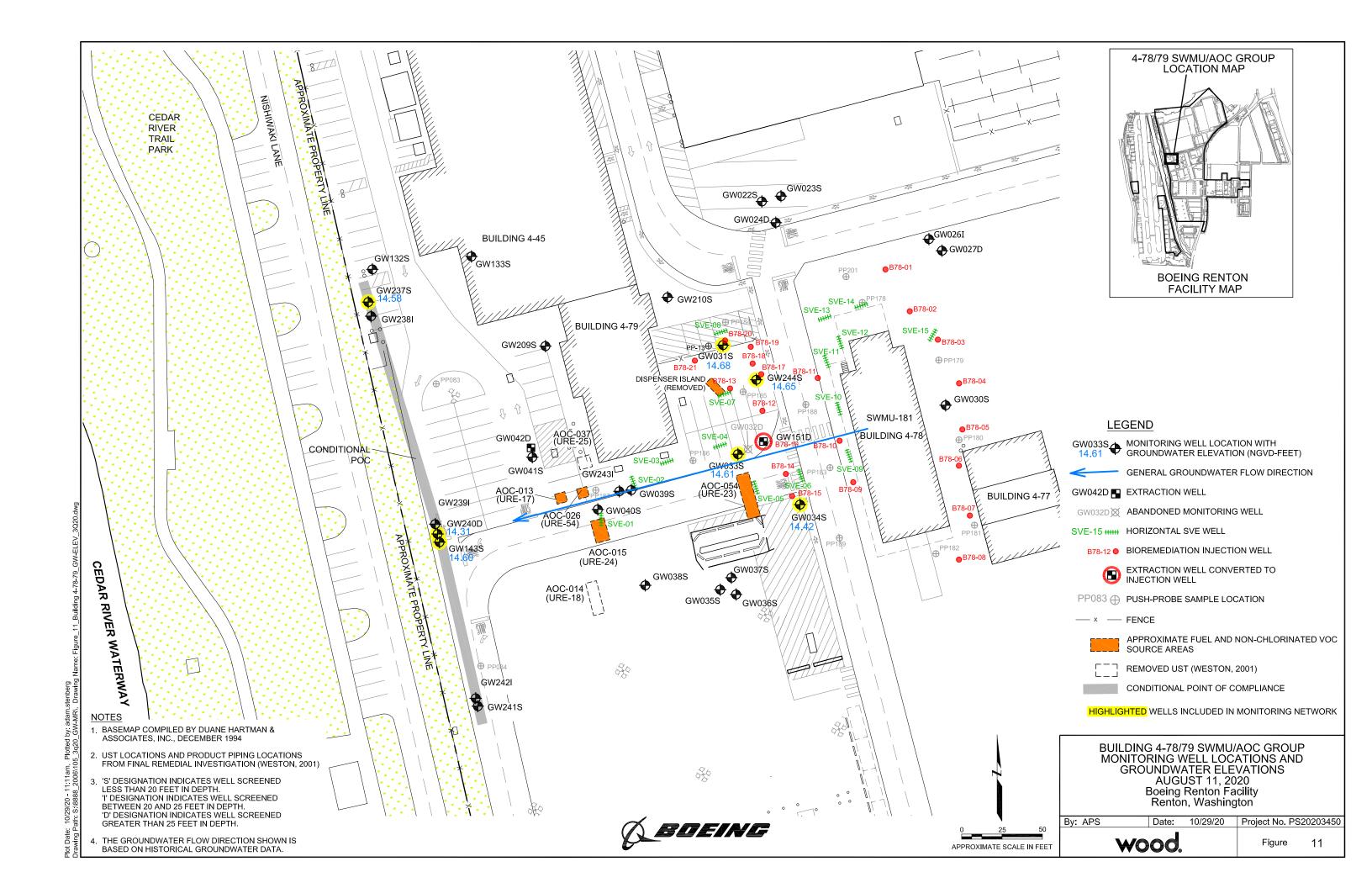
TOTAL ARSENIC IN DOWNGRADIENT PLUME AREA WELLS

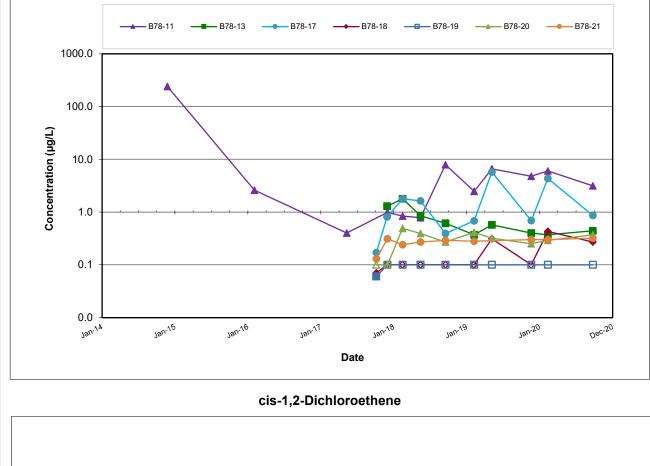
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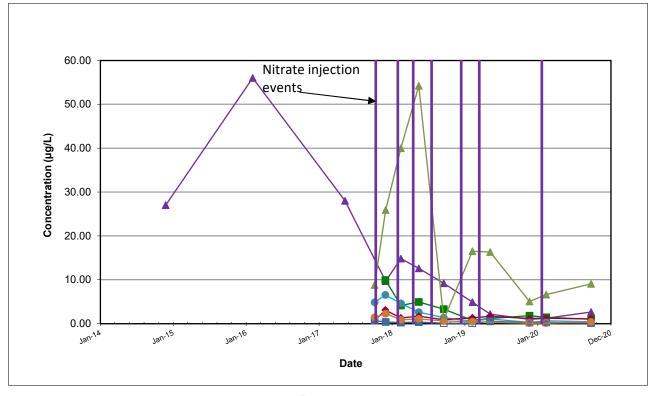


SWMU-172 AND SWMU-174 TREND PLOTS FOR ARSENIC IN SELECT SOURCE AREA AND DOWNGRADIENT PLUME AREA WELLS Boeing Renton Facility Renton, Washington

Project No. 8888







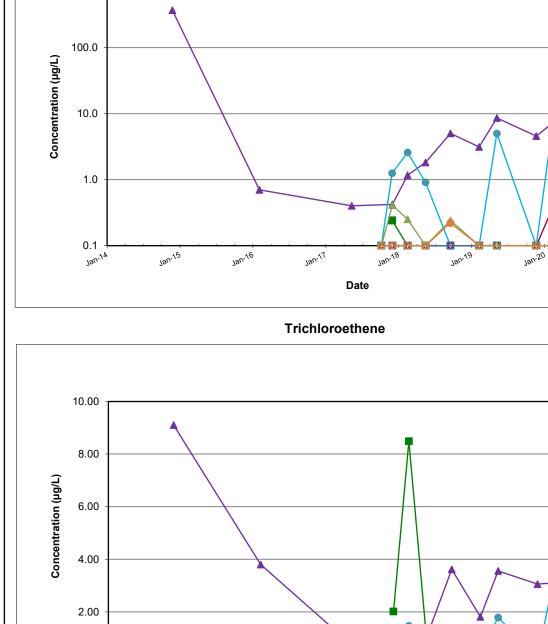
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Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR CIS-1,2-DICHLOROETHENE AND BENZENE IN INJECTION WELLS Boeing Renton Facility Renton, Washington

Project No. 8888



B78-17

◆ B78-18

Vinyl Chloride

Date

Jan-17

Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

Jan-16

Jan-15



0.00

1000.0

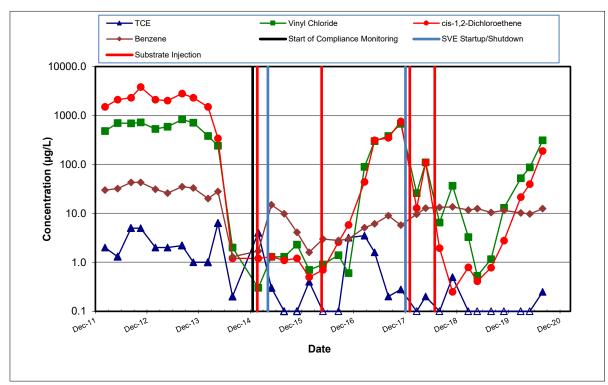
BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR TRICHLOROETHENE AND VINYL CHLORIDE IN INJECTION WELLS Boeing Renton Facility Renton, Washington

Jan-18

Project No. 8888

Dec-20

Jan-20

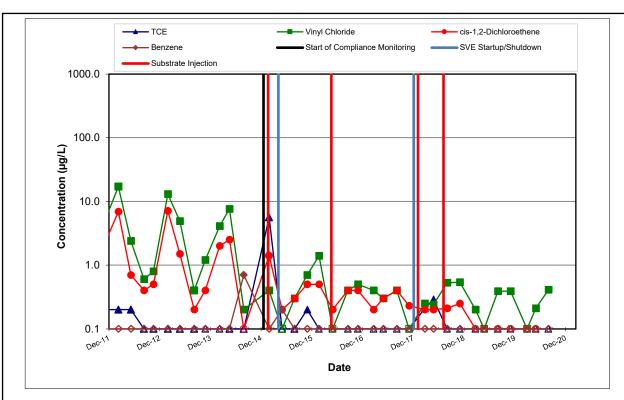


SOURCE AREA WELL GW033S

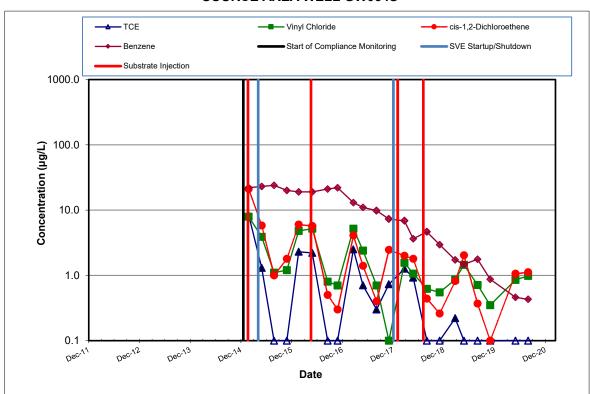
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wood.

BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR SOURCE AREA WELLS GW031S AND GW033S Boeing Renton Facility Renton, Washington Project No. 8888



SOURCE AREA WELL GW034S



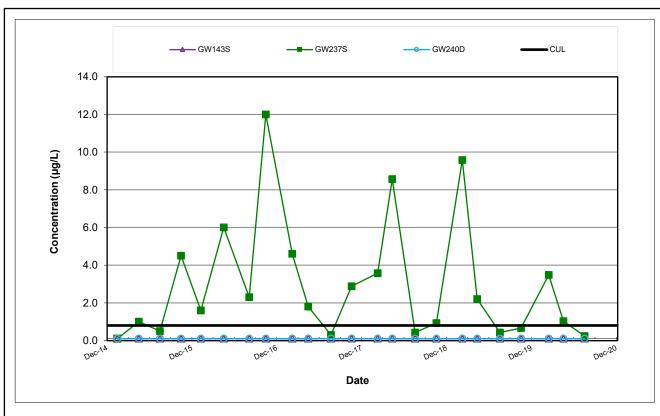
SOURCE AREA WELL GW244S

Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

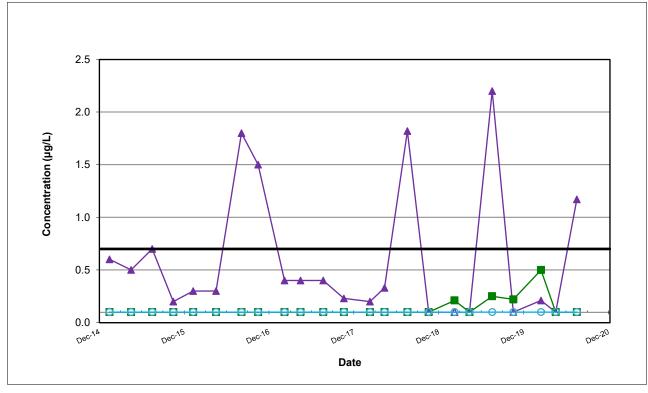


BLDG 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR SOURCE AREA WELLS GW034S AND GW244S Boeing Renton Facility Project No. 8888





Benzene



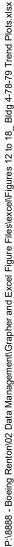
cis-1,2-Dichloroethene

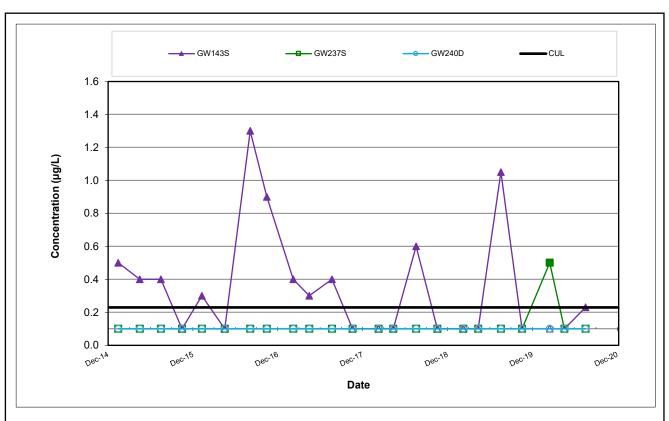
<u>Note</u>: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



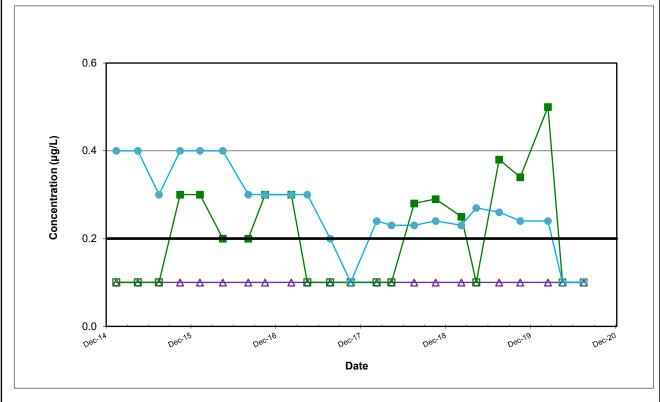
BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR BENZENE AND CIS-1,2-DICHLOROETHENE IN CPOC AREA WELLS Boeing Renton Facility Renton, Washington

Project No. 8888





Trichloroethene

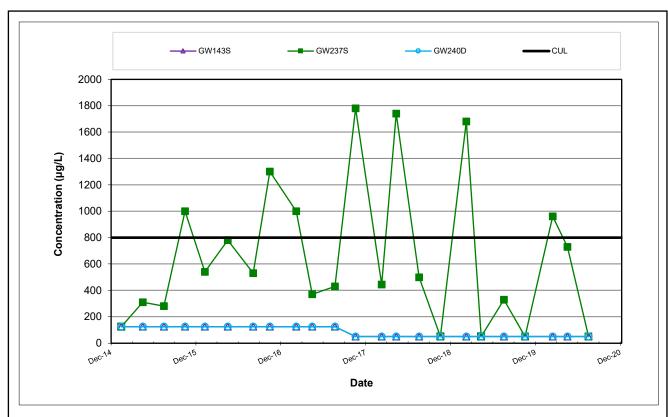


Vinyl Chloride

<u>Note</u>: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



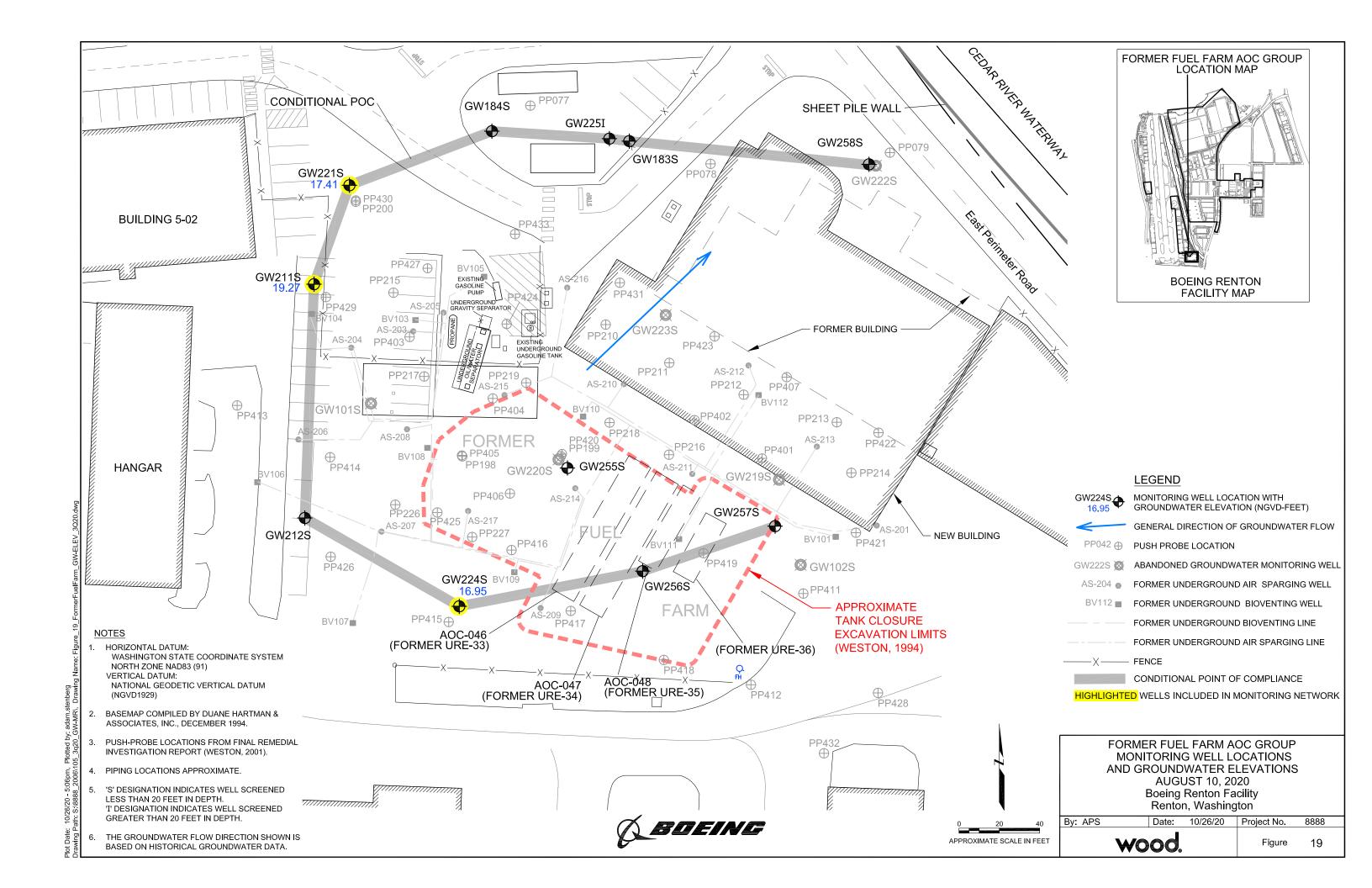


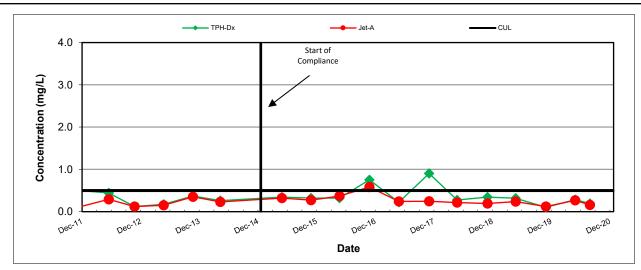


TPH as Gasoline

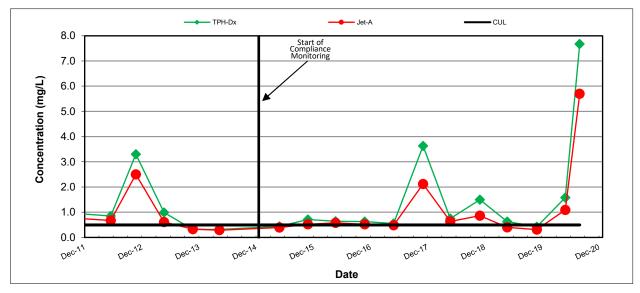
Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



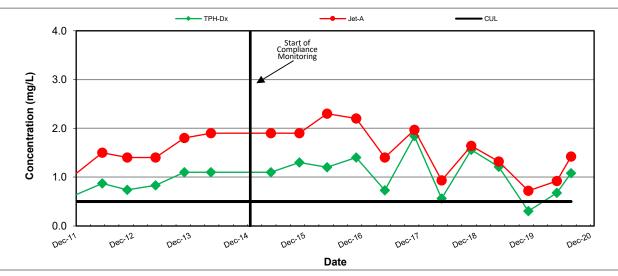




CPOC WELL GW211S

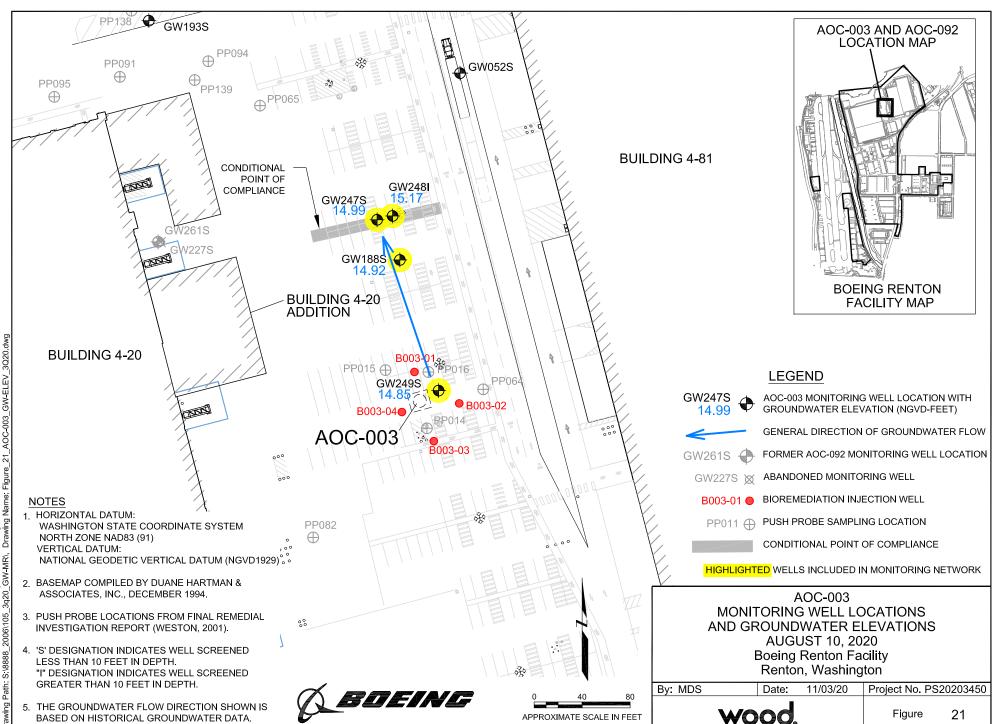


CPOC WELL GW221S

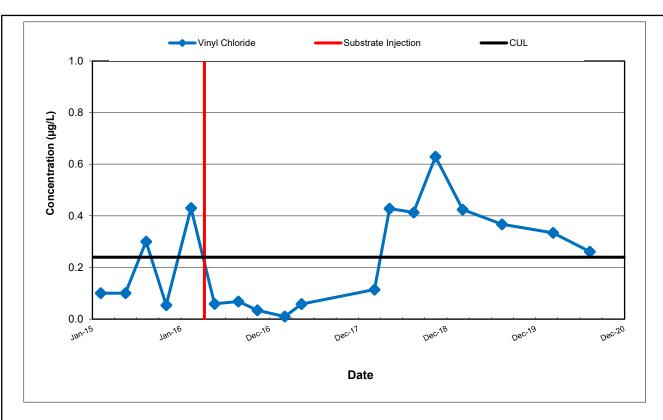


CPOC WELL GW224S

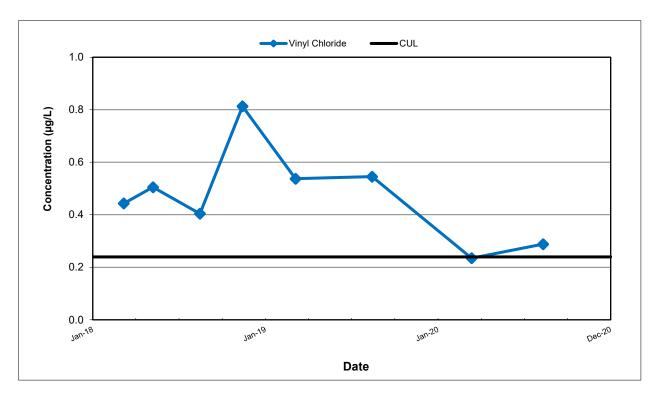




Plot Date: 11/03/20 - 8:20am, Plotted by: adam.stenberg Drawing Path: S:\8888 2006\105 3q20 GW-MR\, Drawing Name: F



SOURCE AREA WELL GW249S



DOWNGRADIENT PLUME AREA WELL GW188S

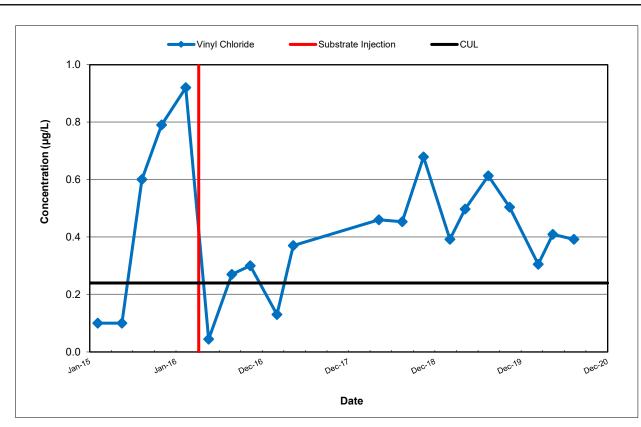
Note: non-detected values shown at one-half the reporting limit and with an open symbol



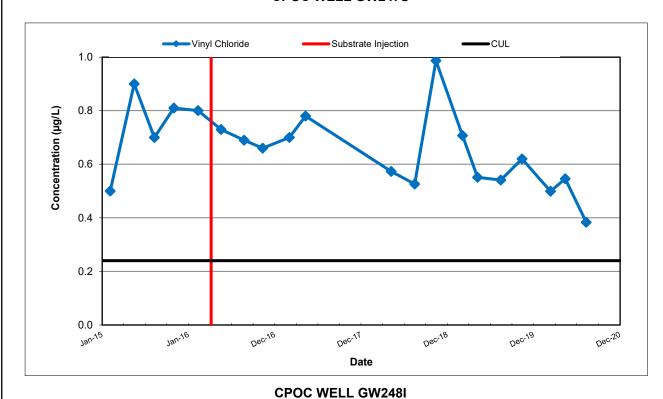
AOC-003 HISTORICAL TREND PLOTS FOR SOURCE AREA WELL GW249S
AND DOWNGRADIENT PLUME AREA WELL GW188S
Boeing Renton Facility
Renton, Washington

Project No. 8888





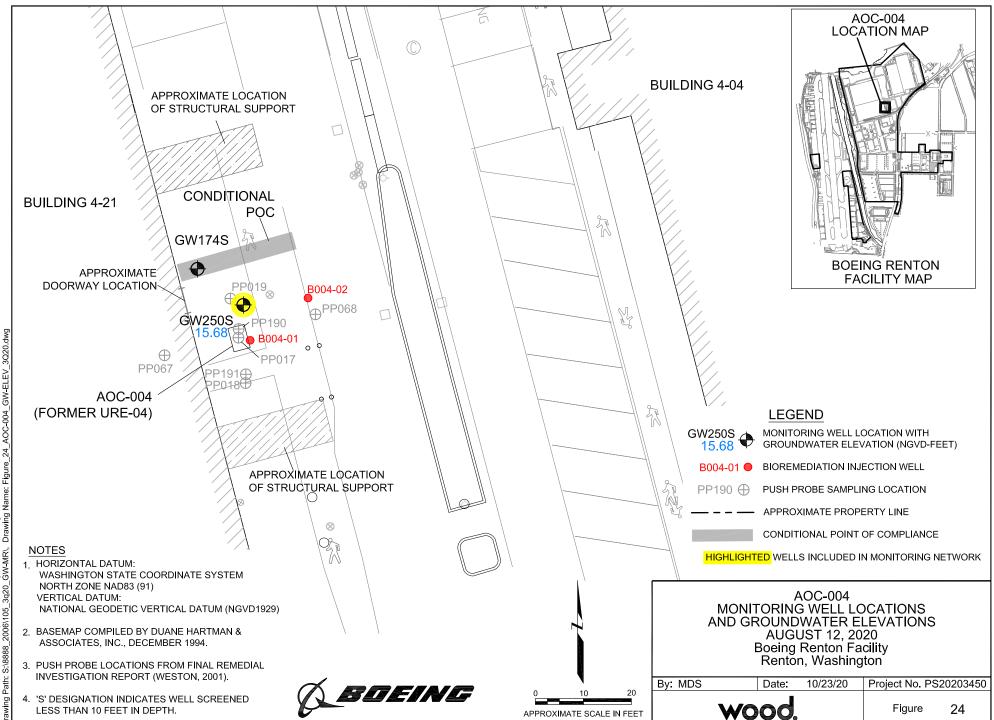
CPOC WELL GW247S



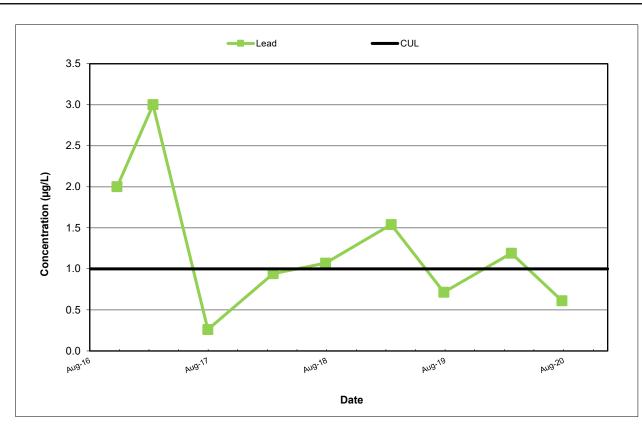
Note: non-detected values shown at one-half the reporting limit and with an open symbol

wood.

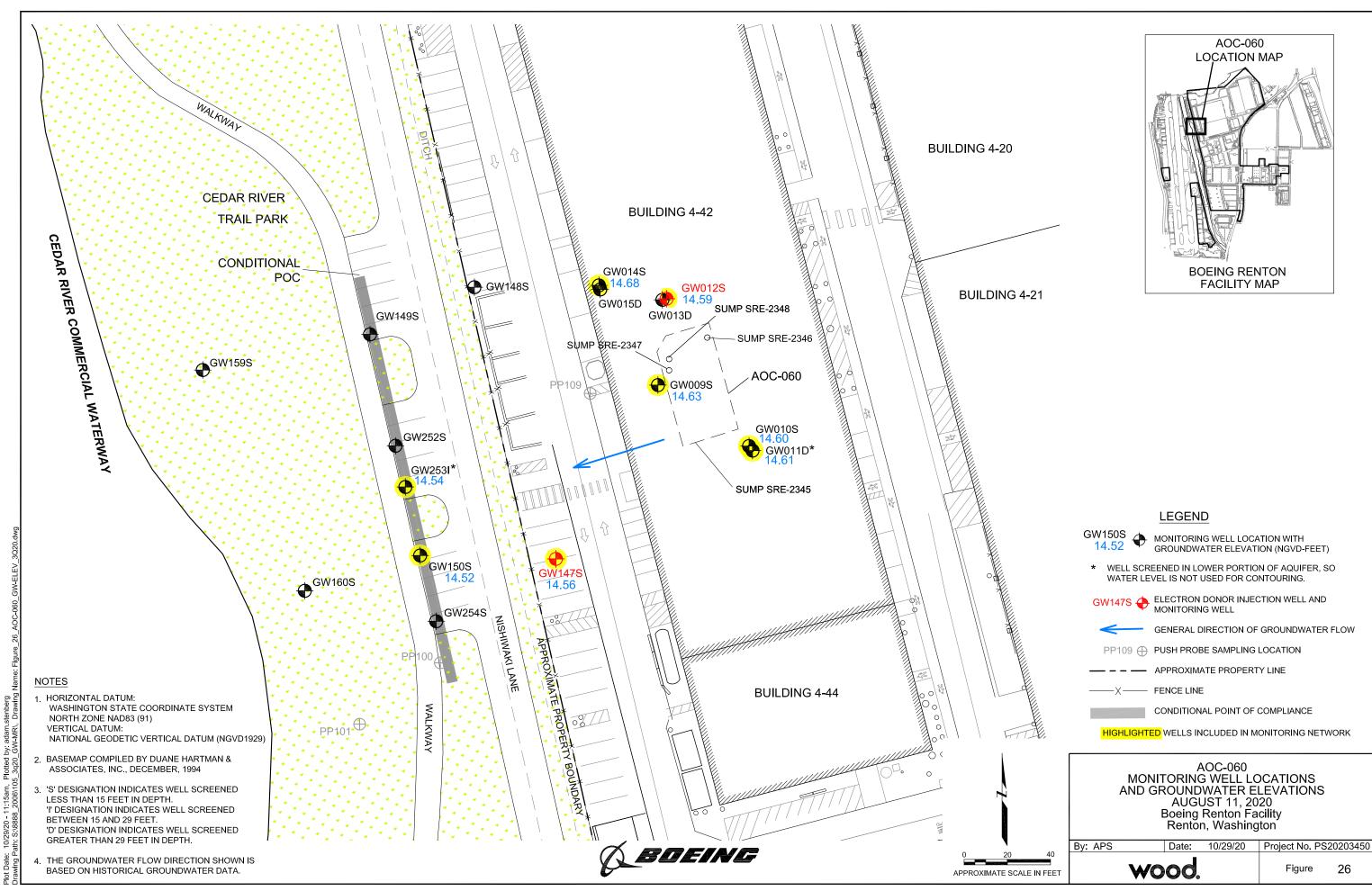
AOC-003 HISTORICAL TREND PLOTS FOR CPOC WELLS GW247S AND GW248I Boeing Renton Facility Renton, Washington Project No. 8888 Figure

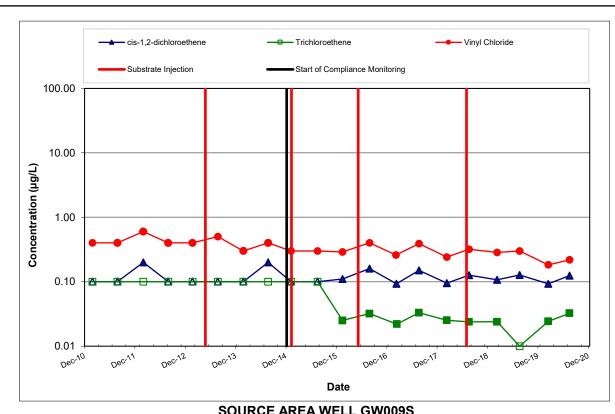


Plot Date: 10/23/20 - 12:52pm, Plotted by: adam stenberg

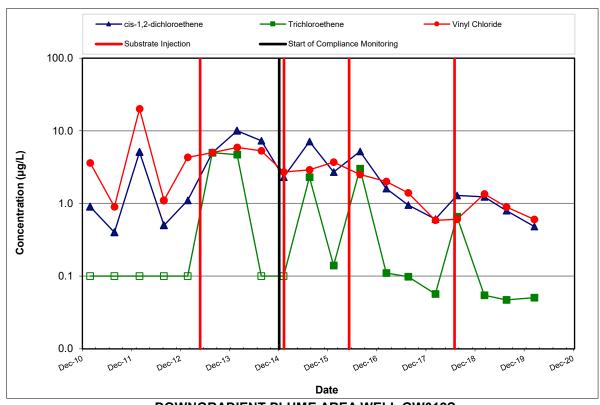


SOURCE AREA WELL GW250S





SOURCE AREA WELL GW009S



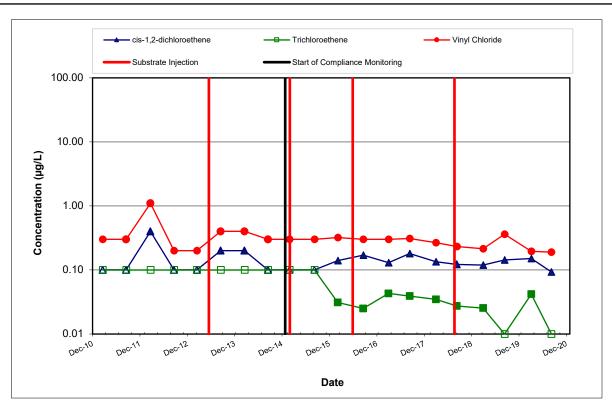
DOWNGRADIENT PLUME AREA WELL GW012S

Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol. August 2013 reporting limits elevated.

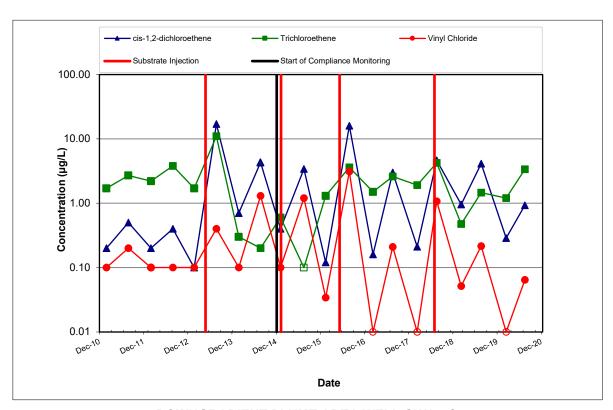


AOC-060 TREND PLOTS FOR SOURCE AREA WELL GW009S AND DOWNGRADIENT PLUME AREA WELL GW012S Boeing Renton Facility Renton, Washington

Project No. 8888



DOWNGRADIENT PLUME AREA WELL GW014S



DOWNGRADIENT PLUME AREA WELL GW147S

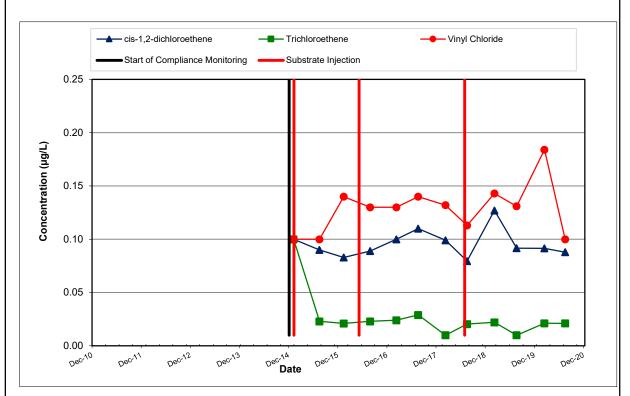
 $\underline{\text{Note:}} \text{ non-detected values shown at one-half the reporting limit and graphed with an open symbol.}$



AOC-060 TREND PLOTS FOR DOWNGRADIENT PLUME AREA WELLS GW014S AND GW147S Boeing Renton Facility Renton, Washington

Project No. 8888

CPOC AREA WELL GW150S



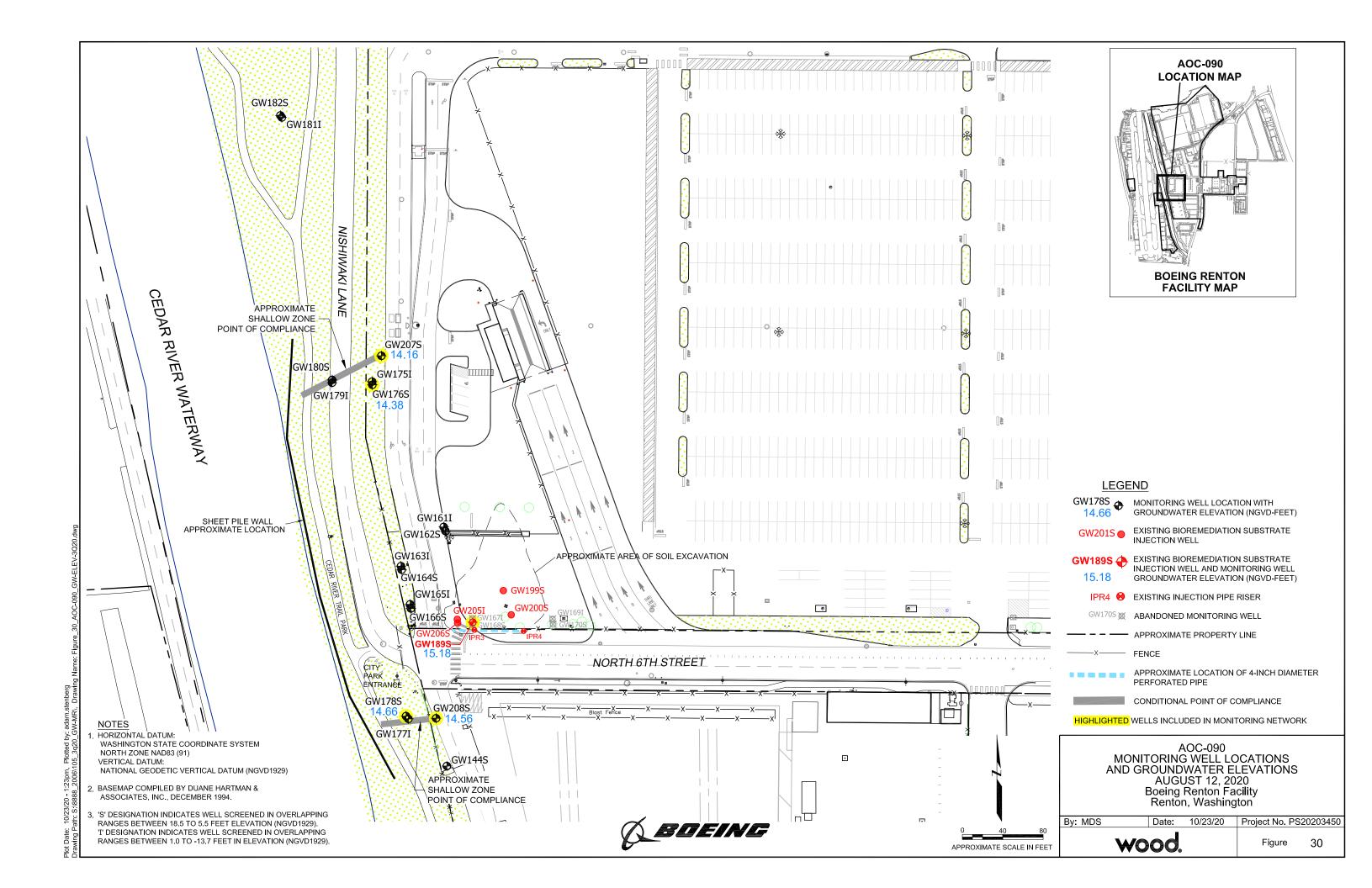
CPOC AREA WELL GW253I

Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

wood.

AOC-060 TREND PLOTS FOR CPOC AREA WELLS GW150S AND GW253I Boeing Renton Facility Renton, Washington Project No. 8888 Figure

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wood.

\lsea2-fs1\projects\8888 - Boeing Renton\02 Data Management\Grapher and Excel Figure Files\exce\Figure 31 AOC-90 Trend Plots.xls

AOC-090 TREND PLOTS FOR SOURCE AREA WELL GW189S Boeing Renton Facility Renton, Washington

Project No. 8888

wood.

Tables

TABLE 1: SWMU-168 GROUNDWATER ELEVATION DATA AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW230I	4 to 14	24.86	7.62	17.24

Notes:

- 1. I = intermediate well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

bgs = below ground surface SWMU = solid waste management unit TOC = top of casing

TABLE 2: SWMU-168 PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Parameter	Well ID ² CPOC Area GW230I
Temperature (degrees C)	26.8
Specific Conductivity (µS/cm)	440.6
Dissolved Oxygen (mg/L)	0.36
pH (standard units)	6.27
Oxidation/Reduction Potential (mV)	54.7

Notes:

- 1. Primary geochemical indicators are measured in the field.
- 2. I = intermediate well.

Abbreviations:

 μ S/cm = microsiemens per centimeter CPOC = conditional point of compliance

degrees C = degrees Celsius mg/L = milligrams per liter

mV = millivolts

TABLE 3: SWMU-168 CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹ AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Analyte Volatile Organic Com	pounds (μg/L)	Cleanup Level ³	Well ID ² CPOC Area GW230I
Vinyl Chloride		0.11	0.162

Notes:

- 1. **Bolded** values exceed the cleanup levels.
- 2. I = intermediate well.
- 3. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.

Abbreviations:

µg/L = micrograms per liter CPOC = conditional point of compliance SWMU = solid waste management unit

TABLE 4: SWMU-172 AND SWMU-174 GROUP GROUNDWATER ELEVATION DATA AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs) ²	TOC Elevation (feet) ³	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ³
GW152S	5 to 20 ²	26.98	9.57	17.41
GW153S	5 to 20 ²	27.47	9.95	17.52
GW172S	8 to 18 ²	26.44	9.55	16.89
GW173S	8 to 18 ²	26.51	9.62	16.89
GW226S	5 to 20 ²	26.86	9.33	17.53
GW232S	4 to 14	24.45	7.58	16.87
GW234S	3 to 13	24.95	8.20	16.75
GW235I	15 to 25	24.9	7.67	17.23
GW236S	5 to 15	24.36	7.48	16.88

Notes:

- 1. S = shallow well; I = intermediate well.
- 2. Screen intervals are approximate and based on database listings of the screen interval depths for these wells.
- 3. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

bgs = below ground surface SWMU = solid waste management unit TOC = top of casing

TABLE 5: SWMU-172 AND SWMU-174 GROUP PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ²									
		Source Area						CPOC	CPOC Area	
		GW152S								
Parameter	GW152S	(field dup.)	GW153S	GW172S	GW173S	GW226S	GW232S	GW234S	GW235I	GW236S
Temperature (degrees C)	21.8	NA	22.7	24.6	25.2	26.9	21.5	23.0	21.6	21.1
Specific Conductivity (µS/cm)	296.2	NA	263.7	352.5	439.6	364.5	596.0	331.4	170.8	329.0
Dissolved Oxygen (mg/L)	1.04	NA	1.27	0.49	0.70	0.47	1.87	1.13	0.96	3.02
pH (standard units)	6.15	NA	6.45	6.48	6.43	6.46	6.24	6.28	6.16	6.34
Oxidation/Reduction Potential (mV)	-13.8	NA	-7.6	-22.8	-10.5	-29.8	-27.9	-1.9	10.2	13.5
Total Organic Carbon (mg/L)	6.76	5.59	7.05	5.74	4.87	10.31	6.75	3.26	0.89	5.31

Notes

- 1. Primary geochemical indicators are measured in the field, with the exception of total organic carbon, which is measured in the laboratory.
- 2. S = shallow well; I = intermediate well.

Abbreviations

 μ S/cm = microsiemens per centimeter CPOC = conditional point of compliance

degrees C = degrees Celsius

field dup. = field duplicate

mg/L = milligrams per liter

mV = millivolts

NA = not analyzed

TABLE 6: SWMU-172 AND SWMU-174 GROUP CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1,2} AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

						Well	I ID ³				
			Source Area	Downgradient Plume Ar		ne Area	CPOC Area		Area		
	Cleanup		GW152S								
Analyte	Level ⁴	GW152S	(field dup.)	GW153S	GW172S	GW173S	GW226S	GW232S	GW234S	GW235I	GW236S
Volatile Organic Comp	/olatile Organic Compounds (μg/L)										
cis -1,2-Dichloroethen	ne 0.03	1.66	1.74	0.0551	0.0561	0.0313	0.0218	0.482	0.0914	0.104	0.0881
Tetrachloroethene	0.02	0.319	0.296	0.020 U	0.0603	0.020 U	0.0279	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.579	0.575	0.020 U	0.020 U	0.0239	0.020 U	0.020 U	0.020 U	0.0227	0.020 U
Vinyl Chloride	0.11	0.284	0.299	0.135	0.0628	0.0455	0.0415	0.425	0.0279	0.020 U	0.020 U
Total Metals (µg/L)											
Arsenic	1.0	6.72	7.07	4.05	10.8	7.00	4.93	3.83	3.26	0.288	10.1
Copper	3.5	7.45 J	10.3 J	1.68	6.12	3.19	1.48	0.627	3.21	1.30	10.8
Lead	1.0	3.89	4.77	0.326	2.58	0.470	0.136	0.100 U	1.25	0.304	10.8

Notes:

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
 - J = the value is estimated.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well; I = intermediate well.
- 4. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.

Abbreviations:

μg/L = micrograms per liter

CPOC = conditional point of compliance

field dup. = field duplicate

TABLE 8: BUILDING 4-78/79 SWMU/AOC GROUP PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ²								
			Source Area			CPOC Area				
		GW031S								
Parameter	GW031S	(field dup.)	GW033S	GW034S	GW244S	GW143S	GW237S	GW240D		
Temperature (degrees C)	22.5	NA	23.0	22.5	23.6	19.4	19.9	18.2		
Specific Conductivity (µS/cm)	487.0	NA	416.9	317.0	419.3	323.4	394.4	361.9		
Dissolved Oxygen (mg/L)	0.55	NA	0.55	0.47	0.42	1.52	0.92	1.16		
pH (standard units)	6.24	NA	6.19	6.35	6.16	6.10	6.30	5.97		
Oxidation/Reduction Potential (mV)	-19.0	NA	-32.7	-43.1	-13.9	-23.6	-22.4	-24.7		
Total Organic Carbon (mg/L)	12.05	13.30	12.69	6.46	12.89	7.42	8.03	7.04		

Notes

1. Primary geochemical indicators are measured in the field, with the exception of total organic carbon, which is measured in the laboratory.

2. S = shallow well; D = deep well.

Abbreviations

 μ S/cm = microsiemens per centimeter

AOC = area of concern

CPOC = conditional point of compliance

degrees C = degrees Celsius field dup. = field duplicate mg/L = milligrams per liter

mV = millivolts

NA = not analyzed

TABLE 7: BUILDING 4-78/79 SWMU/AOC GROUP GROUNDWATER ELEVATION DATA AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW031S	5 to 25	19.44	4.76	14.68
GW033S	5 to 25	19.49	4.88	14.61
GW034S	5 to 25	19.65	4.98	14.42
GW143S	10 to 15	19.81	5.21	14.60
GW237S	5 to 15	18.85	4.27	14.58
GW240D	22 to 27	19.81	5.50	14.31
GW244S	5 to 15	19.53	4.88	14.65

Notes:

- 1. S = shallow well; D = deep well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

AOC = area of concern bgs = below ground surface SWMU = solid waste management unit TOC = top of casing

TABLE 9: BUILDING 4-78/79 SWMU/AOC GROUP CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1, 2 AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

					I ID ³				
		Source Area					CPOC Area		
	Cleanup		GW031S						
Analyte	Level ⁴	GW031S	(field dup.)	GW033S	GW034S	GW244S	GW143S	GW237S	GW240D
Volatile Organic Compounds (µg/L)									
Benzene	0.80	1.72 J	2.05 J	12.5	0.20 U	0.43	0.20 U	0.24	0.20 U
cis -1,2-Dichloroethen	ie 0.70	0.67 J	0.52 J	188	0.20 U	1.12	1.17	0.20 U	0.20 U
Trichloroethene	0.23	0.20 UJ	0.20 UJ	0.25	0.20 U	0.20 U	0.23	0.20 U	0.20 U
Vinyl Chloride	0.20	0.32 J	0.25 J	310	0.41	0.98	0.20 U	0.20 U	0.20 U
Total Petroleum Hydro	Total Petroleum Hydrocarbons (µg/L)								
TPH-G (C7-C12)	800	1,160	1,180	255	100 U	100 U	100 U	100 U	100 U

Notes:

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
 - J = the value is estimated.
- UJ = The analyte was not detected at the estimated reporting limit indicated.
- 2. Bolded values exceed the cleanup levels.
- 3. S = shallow well; D = deep well.
- 4. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.

Abbreviations:

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

field dup. = field duplicate

SWMU = solid waste management unit

TPH-G = total petroleum hydrocarbons in gasoline range

TABLE 11: FORMER FUEL FARM PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ²						
	CPOC Area GW224S						
Parameter	GW211S	GW221S	GW224S	(field dup.)			
Temperature (degrees C)	20.2	25.9	23.5	NA			
Specific Conductivity (µS/cm)	257.1	275.3	190.2	NA			
Dissolved Oxygen (mg/L)	0.74	0.69	0.43	NA			
pH (standard units)	6.08	6.10	5.88	NA			
Oxidation/Reduction Potential (mV)	75.2	77.8	91.3	NA			

Notes

- 1. Primary geochemical indicators are measured in the field.
- 2. S = shallow well.

Abbreviations

µS/cm = microsiemens per centimeter CPOC = conditional point of compliance degrees C = degrees Celsius field dup. = field duplicate mg/L = milligrams per liter mV = millivolts NA = not analyzed

TABLE 10: FORMER FUEL FARM GROUNDWATER ELEVATION DATA AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW211S	4.8 to 14.7	27.77	8.50	19.27
GW221S	5 to 15	27.93	10.52	17.41
GW224S	5 to 15	27.98	11.03	16.95

Notes

- 1. S = shallow well
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations

bgs = below ground surface

TOC = top of casing

TABLE 12: FORMER FUEL FARM CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

	Current			l ID³ : Area			
	Cleanup	GW22					
Analyte	Level ⁴	GW211S	GW221S	GW224S	(field dup.)		
Total Petroleum Hydrocarbo	ns (mg/L)						
TPH-D (C12-C24)	0.5	0.192	7.67	1.08	0.948		
TPH-O (C24-C38)	NC	0.200 U	0.200 U	0.200 U	0.200 U		
Jet A (C10-C18)	0.5	0.155	5.70	1.42	1.30		

Notes

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 2. **Bolded** values exceed the current cleanup levels.
- 3. S = shallow well.
- 4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

Abbreviations

CPOC = conditional point of compliance

field dup. = field duplicate

mg/L = milligrams per liter

NC = No cleanup level established

TPH-D = total petroleum hydrocarbons as diesel

TPH-O = total petroleum hydrocarbons as motor oil

TABLE 13: AOC-003 GROUNDWATER ELEVATION DATA AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW188S	3.5 to 13.5	18.78	3.86	14.92
GW247S	4 to 14	18.91	3.92	14.99
GW248I	10 to 20	18.78	3.61	15.17
GW249S	4 to 14	18.85	3.60	14.85

Notes:

- 1. S = shallow well; I = intermediate well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

AOC = area of concern

bgs = below ground surface

TOC = top of casing

TABLE 14: AOC-003 PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ²		
		Downgradient		
	Source Area	Plume Area	CPOC Area	
Parameter	RGW249S	RGW188S	GW247S	GW248I
Temperature (degrees C)	26.9	25.5	29.2	29.0
Specific Conductivity (µS/cm)	497.9	593	586	685
Dissolved Oxygen (mg/L)	0.47	0.50	0.46	0.51
pH (standard units)	6.32	6.23	6.36	6.31
Oxidation/Reduction Potential (mV)	-48.4	27.1	33.9	10.6

Notes

- 1. Primary geochemical indicators are measured in the field.
- 2. S = shallow well; I = intermediate well.

Abbreviations

 μ S/cm = microsiemens per centimeter

AOC = area of concern

CPOC = conditional point of compliance

degrees C = degrees Celsius

mg/L = milligrams per liter

mV = millivolts

TABLE 15: AOC-003 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ¹ AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

			Well ID ²			
			Source Area	Downgradient		
		Cleanup	Source Area	Plume Area	CPOC Area	
Analyte		Level ³	GW249S	GW188S	GW247S	GW248I
Volatile Organic Compounds (μg/L)						
Vinyl Chlorid	e	0.24	0.261	0.288	0.392	0.383

Notes:

- 1. **Bolded** values exceed the cleanup levels.
- 2. S = shallow well; I = intermediate well.
- 3. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.

Abbreviations:

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

TABLE 16: AOC-004 GROUNDWATER ELEVATION DATA AUGUST 12, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW250S	4 to 14	19.31	3.63	15.68

Notes:

- 1. S = shallow well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

AOC = area of concern bgs = below ground surface TOC = top of casing

TABLE 17: AOC-004 PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 12, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ²
	Source Area
Parameter	GW250S
Temperature (degrees C)	19.3
Specific Conductivity (µS/cm)	129.3
Dissolved Oxygen (mg/L)	0.76
pH (standard units)	6.66
Oxidation/Reduction Potential (mV)	57.7

Notes:

- 1. Primary geochemical indicators are measured in the field.
- 2. S = shallow well.

Abbreviations:

μS/cm = microsiemens per centimeter AOC = area of concern degrees C = degrees Celsius mg/L = milligrams per liter mV = millivolts

TABLE 18: AOC-004 CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹

AUGUST 12, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ²
		Source Area
Analyte	Cleanup Level ³	GW250S
Metals (mg/L)		
Lead	0.001	0.000611

Notes:

- 1. **Bolded** values exceed the cleanup levels.
- 2. S = shallow well.
- 3. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.

Abbreviations:

AOC = area of concern

mg/L = milligrams per liter

TABLE 19: AOC-060 GROUNDWATER ELEVATION DATA AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW009S	4.5 to 14.5	19.36	4.73	14.63
GW010S	4.5 to 14.5	19.47	4.87	14.60
GW011D	29 to 39	19.49	4.88	14.61
GW012S	4.5 to 14.5	19.11	4.52	14.59
GW014S	4.5 to 14.5	19.24	4.56	14.68
GW147S	5 to 15	18.73	4.17	14.56
GW150S	5 to 15	19.1	4.58	14.52
GW253I	10 to 20	19.02	4.48	14.54

Notes:

- 1. S = shallow well; D = deep well; I = intermediate well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

AOC = area of concern bgs = below ground surface

TOC = top of casing

TABLE 20: AOC-060 PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ²						
	Source Area		Downgradient Plume Area				CPOC Area	
				GW014S				
Parameter	GW009S	GW012S	GW014S	(field dup.)	GW147S	GW150S	GW253I	
Temperature (degrees C)	21.0	22.3	21.3	NA	22.2	21.7	21.6	
Specific Conductivity (µS/cm)	385.3	525	446.3	NA	67.5	383.0	393.2	
Dissolved Oxygen (mg/L)	0.40	1.24	1.14	NA	0.48	0.33	0.23	
pH (standard units)	6.20	5.93	6.14	NA	5.57	6.27	6.39	
Oxidation/Reduction Potential (mV)	79.8	92.6	91.5	NA	124.9	78.7	66.4	
Total Organic Carbon (mg/L)	5.73	8.70	4.39	4.43	2.76	5.50	7.78	

<u>Notes:</u> 2.76 8.70

1. Primary geochemical indicators are measured in the field, with the exception of total organic carbon, which is measured in the laboratory.

2. S = shallow well; I = intermediate well.

Abbreviations:

 μ S/cm = microsiemens per centimeter field dup. = field duplicate AOC = area of concern field dup. = milligrams per liter

TABLE 21: AOC-060 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} AUGUST 11, 2020

Boeing Renton Facility, Renton, Washington

			Well ID ³					
		Source						
		Area					Area	
	Cleanup		GW014S					
Analyte	Levels ⁴	GW009S	GW012S	GW014S	(field dup.)	GW147S	GW150S	GW253I
Volatile Organic Compounds	s (µg/L)							
cis -1,2-Dichloroethene	0.08	0.124	0.508	0.0932	0.0908	0.931	0.0935	0.0879
Trichloroethene	0.02	0.0324	0.0518	0.020 U	0.020 U	3.37	0.0291	0.0211
Vinyl Chloride	0.26	0.219	0.387	0.190	0.191	0.0643	0.0619	0.100

Notes:

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well; I = intermediate well.
- 4. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.

Abbreviations:

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

field dup. = field duplicate

TABLE 22: AOC-090 GROUNDWATER ELEVATION DATA AUGUST 12, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW176S	10 to 14.3	20.15	5.77	14.38
GW178S	11.2 to 15.5	22.73	8.07	14.66
GW189S	4 to 14	22.01	6.83	15.18
GW207S	7.3 to 12	21.12	6.96	14.16
GW208S	6.3 to 11	22.45	7.89	14.56

Notes:

- 1. S = shallow well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations:

AOC = area of concern

bgs = below ground surface

TOC = top of casing

TABLE 23: AOC-090 PRIMARY GEOCHEMICAL INDICATORS ¹ AUGUST 12, 2020

Boeing Renton Facility, Renton, Washington

			Well ID ²		
		Downgradient			
	Source Area	Plume Area	Shallow Zone CPOC Area		
Parameter	GW189S ³	GW176S	GW178S	GW207S	GW208S
Temperature (degrees C)	16.8	17.7	16.1	16.6	17.7
Specific Conductivity (µS/cm)	274.9	592.0	422.3	395.6	468.5
Dissolved Oxygen (mg/L)	1.48	0.81	0.71	0.56	0.87
pH (standard units)	5.99	6.17	6.07	6.10	6.09
Oxidation/Reduction Potential (mV)	100.6	82.1	82.4	97.6	68.9

Notes:

- 1. Primary geochemical indicators are measured in the field.
- 2. S = shallow well.
- 3. GW189S is the replacement well for GW168S.

Abbreviations:

 μ S/cm = microsiemens per centimeter AOC = area of concern CPOC = conditional point of compliance degrees C = degrees Celsius mg/L = milligrams per liter mV = millivolts

TABLE 24: AOC-090 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} AUGUST 12, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ³						
			Downgradient					
	Cleanup	Source Area	Plume Area	Shallo	w Zone CPO	C Area		
Analyte	Levels ⁴	GW189S ⁵	GW176S	GW178S	GW207S	GW208S		
Volatile Organic Compounds	(μg/L)							
1,1,2,2-Tetrachloroethane	0.17	0.020 U	NA	NA	NA	NA		
1,1,2-Trichloroethane	0.2	0.20 U	NA	NA	NA	NA		
1,1-Dichloroethene	0.057	0.0529	NA	NA	NA	NA		
Acetone	300	5.00 U	NA	NA	NA	NA		
Benzene	0.8	0.20 U	NA	NA	NA	NA		
Carbon Tetrachloride	0.23	0.20 U	NA	NA	NA	NA		
Chloroform	2	0.20 U	NA	NA	NA	NA		
cis-1,2-Dichloroethene	2.4	1.93	NA	NA	NA	NA		
Methylene Chloride	2	1.00 U	NA	NA	NA	NA		
Tetrachloroethene	0.05	0.020 U	NA	NA	NA	NA		
Toluene	75	1.05	NA	NA	NA	NA		
trans-1,2-Dichloroethene	53.9	0.20 U	NA	NA	NA	NA		
Trichloroethene	0.08	0.324	NA	NA	NA	NA		
Vinyl Chloride	0.13	0.369	0.232	0.141	0.377	0.343		
Total Petroleum Hydrocarbon	Fotal Petroleum Hydrocarbons (μg/L)							
TPH-G (C7-C12)	800	699	NA	NA	NA	NA		
TPH-D (C12-C24)	500	150	NA	NA	NA	NA		
TPH-O (C24-C40)	500	379	NA	NA	NA	NA		

Notes:

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well.
- 4. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.
- 5. GW189S is the replacement well for GW168S.

Abbreviations:

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

NA = not analyzed

TPH-G = total petroleum hydrocarbons in the gasoline range

TPH-D = total petroleum hydrocarbons in diesel range

TPH-O = total petroleum hydrocarbons in the motor oil range

TABLE 25: APRON A GROUNDWATER ELEVATION DATA AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW263S	8 to 18	NA	6.18	NA
GW264S	8 to 18	NA	5.67	NA

Notes

- 1. S = shallow well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations

bgs = below ground surface

NA = not available

TOC = top of casing

TABLE 26: APRON A PRIMARY GEOCHEMICAL INDICATORS AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ²
	Source Area
Parameter	GW264S
Temperature (degrees C)	20.0
Specific Conductivity (µS/cm)	575.0
Dissolved Oxygen (mg/L)	0.87
pH (standard units)	5.96
Oxidation/Reduction Potential (mV)	92.7
Total Organic Carbon (mg/L)	26.62

Notes

- 1. Primary geochemical indicators are measured in the field.
- 2. S = shallow well.

Abbreviations

 μ S/cm = microsiemens per centimeter degrees C = degrees Celsius mg/L = milligrams per liter mV = millivolts

TABLE 27: APRON A CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹

AUGUST 10, 2020

Boeing Renton Facility, Renton, Washington

Analyte Volatile Organic Compounds (µg/L)	Cleanup Levels	Well ID ² GW264S
cis- 1,2-Dichloroethene	NE	0.52
Vinyl Chloride	NE	0.20 U

Notes

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 2. S = shallow well.

Abbreviations

 μ g/L = micrograms per liter

NE = not established

wood.

Appendix A

TABLE A-1: GROUNDWATER COMPLIANCE MONITORING SCHEDULE

Boeing Renton Facility, Renton, Washington

		Monitoring V	Vells ^{1,2}			
Cleanup Action Area	Source Area Wells	Downgradient Plume Wells	CPOC Wells	Additional Water Level Monitoring Wells ³	Constituents of Concern⁴	Analyses⁵
SWMU-168	NA	NA	GW230I	NA	VC	SW8260D SIM
SWMU-172/SWMU-174	CW1F2C and CW1F2C	GW172S, GW173S,	GW232S, GW234S,	NA	cis -1,2-DCE, PCE, TCE, VC	SW8260D SIM ⁸
3WWO-172/3WWO-174	GW152S and GW153S	and GW226S	GW235I, and GW236S	NA NA	Arsenic, copper, and lead	EPA 6020A
Building 4-78/79	GW031S, GW033S, GW034S, and	NA	GW143S, GW237S, and GW240D	NA	VC, TCE, cis -1,2-DCE, benzene	SW8260D
SWMU/AOC Group	GW244S	NA	GW 1435, GW2375, and GW240D	NA NA	TPH-gasoline	NWTPH-Gx
Former Fuel Farm SWMU/AOC Group	NA	NA	GW211S, GW221S, and GW224S	NA	TPH-jet fuel, TPH-diesel	NWTPH-Dx
105 001 (105 00067		All walls also always the the street		Benzene	SW8260D	
AOC-001/AOC-002 ^{6,7}		All wells closed with the start of	TCE, cis -1,2-DCE, 1,1-dichloroethene, VC	SW8260D SIM ⁸		
AOC-003	GW249S	GW188S	GW247S and GW248I	NA	VC	SW8260D
AOC-004	GW250S	NA	NA	NA	Lead	EPA 6020A
AOC-060	GW009S	GW012S, GW014S, and GW147S	GW150S and GW253I	GW010S and GW011D	VC, TCE, cis-1,2-DCE	SW8260D SIM ⁸
					1,1,2-Trichloroethane, acetone, benzene, toluene, carbon tetrachloride, chloroform, <i>cis</i> -1,2-DCE, <i>trans</i> -1,2-DCE, methylene chloride	SW8260D
AOC-090 ⁹	GW189S	GW176S	GW178S, GW207S, and GW208S	NA	1,1-Dichloroethene, 1,1,2,2-tetrachloroethane, VC, PCE, TCE	SW8260D SIM ⁸
					TPH-gasoline	NWPTH-Gx
					TPH-diesel, TPH-motor oil	NWTPH-Dx
Apron A	GW264S	NA	NA	GW263S	cis -1,2-DCE and VC	SW8260D

Notes:

- 1. The EDR presents the groundwater monitoring frequency for each SWMU/AOC. All sites are monitored on a semi-annual basis with sampling events occurring in February and August.
- 2. Groundwater monitoring wells are also monitored for groundwater levels.
- 3. Additional wells are monitored for groundwater levels only.
- 4. In addition to COCs, primary geochemical indicators will be monitored during each regular monitoring event. Geochemical indicators are listed in Table A-2.
- 5. Details of analytical methods are specified in the Quality Assurance Project Plan, which is Appendix E to the Cleanup Action Plan (AMEC, 2012).
- 6. Monitoring wells were abandoned on 11/25/2019 prior to Apron R construction and will be replaced upon completion of construction.
- 7. Groundwater monitoring and sampling will be suspended until completion of construction.
- 8. SIM methods will be used if the cleanup level is lower than the reporting limit achieved by the conventional 8021, 8260, or 8270 method. If cleanup levels become higher or if the conventional 8021, 8260, or 8270 methods are updated and able to achieve reporting limits below the cleanup levels, then the conventional method rather than the SIM method will be used.
- 9. GW189S will be sampled for CVOCs and TPH, all other wells will only be sampled for VC.

Abbreviations:

AOC = area of concern

cis -1,2-DCE = cis -1,2 dichloroethene

COCs = constituents of concern

CPOC = conditional point of compliance

CVOCs = chlorinated volatile organic compounds

EDR = Engineering Design Report

EPA = United States Environmental Protection Agency

NA = not applicable

PCE = tetrachloroethene
SIM = selected ion monitoring
SWMU = solid waste management unit
TCE = trichloroethene
TPH = total petroleum hydrocarbons
trans -1,2-DCE = trans -1,2 dichloroethene
VC = vinyl chloride

VOCs = volatile organic compounds

TABLE A-2: MONITORED NATURAL ATTENUATION/MONITORED ATTENUATION SCHEDULE

Boeing Renton Facility, Renton, Washington

Cleanup Action		Groundwa	iter Monitoring Wells	-	Primary Geochemical Parameters ²
Area	Cross-Gradient Wells	Source Area Wells	Downgradient Plume Wells	CPOC Wells	Indicators
SWMU-168	NA	NA	NA	GW230I	Dissolved oxygen, pH, ORP, temperature, specific conductance
SWMU-172/SWMU-174	NA	GW152S and GW153S	GW172S, GW173S, and GW226S	GW232S, GW234S, GW235I, and GW236S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC
Building 4-78/79 SWMU/AOC Group	NA	GW031S, GW033S, GW034S, and GW244S	NA	GW143S, GW237S, and GW240D	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC
Former Fuel Farm SWMU/AOC Group	NA	NA	NA	GW211S, GW221S, and GW224S	Dissolved oxygen, pH, ORP, temperature, specific conductance
AOC-001/AOC-002 ^{3,4}	NA		All wells closed	I with the start of Apron R construction.	
AOC-003	NA	GW249S	GW188S	GW247S and GW248I	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC
AOC-004	NA	GW250S	NA	NA	Dissolved oxygen, pH, ORP, temperature, specific conductance
AOC-060	GW012S and GW014S	GW009S	GW147S	GW150S and GW253I	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC
AOC-090	NA	GW189S	GW176S	GW178S, GW207S, and GW208S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC ⁵
Apron A	NA	GW264S	NA	NA	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC

Notes:

- 1. In addition to COCs listed in Table A-1, primary geochemical indicators will be monitored during each regular monitoring event.
- 2. All primary geochemical indicators except TOC are monitored in the field during sampling. TOC is analyzed in the laboratory following methods specified in the Quality Assurance Project Plan, which is Appendix E to the Cleanup Action Plan (AMEC, 2012).

 The primary geochemical indicators differ slightly depending on whether the site is a fuel-related site or a solvent-related site.

At a fuel-related site, TOC is not necessary; at a solvent-related site, TOC is a measure of how much electron donor remains present. All MNA parameters are measured semiannually in all wells on a wet season/dry season basis.

- 3. Monitoring wells were abandoned on 11/25/2019 prior to Apron R construction and will be replaced upon completion of construction.
- ${\it 4.}~Groundwater~monitoring~and~sampling~will~be~suspended~until~completion~of~construction.$
- 5. TOC will only be analyzed in the groundwater from the source area well (GW189S).

Abbreviations:

AOC = area of concern

COCs = constituents of concern

CPOC = conditional point of compliance

MNA = Monitored Natural Attenuation

NA = not applicable

ORP = oxidation reduction potential

SWMU = solid waste management unit

TOC = total organic carbon

wood.

Appendix B



Project Name	e:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 10 /2020@	1305		
Sample Num	ber:	RGW230I-	200810		Weather:	SUNNY, 70S			
Landau Repr	esentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES)	Damaged (N	O)	Describe:	FLUSH		
DTW Before I	Purging (ft)	7.62	Time:	1234	Flow through ce	ll vol.		GW Meter No.(s	s SLOPE 0
Begin Purge:	Date/Time:	8/ 10 /2020	@ 1239	End Purge:	Date/Time:	8/ /2020 @	1301	Gallons Purged:	< 1
Purge water di	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	pii	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1242	20.3	416.3	0.24	6.18	80.6		7.62		
1245	23.4	431.0	0.33	6.16	77.8		7.62		
1248	23.9	439.4	0.25	6.18	73.9		7.62		
1251	24.8	442.3	0.25	6.21	70.1				
1254	25.6	441.9	0.29	6.23	66.0				
1257	26.3	441.0	0.31	6.25	60.4		-		
1300	26.8	440.6	0.36	6.27	54.7				
1300	20.8	440.6	0.30	0.27	34.7	-			
SAMPLE CO	LIECTIONE	NATA							
Sample Collect			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa		Tap Rinse	DI Water	Dedicated		D taltailea	
		_	sii <u></u>	rap Kilise	□ Di Water	Dedicated			
	l () rder)	()ther							
(By Numerical Sample Descri		Other	sheen etc.):	CLEAR, CO	LORLESS, NO C	DOR. NO SHEEN	L SOME LIGHT	FINES	
. •		\blacksquare	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	I, SOME LIGHT	FINES	
		\blacksquare	D.O. (mg/L)	CLEAR, CO	ORP (mV)	DDOR, NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descri	Temp (°F/°C) 27.0 26.9	Cond. (uS/cm) 440.3	D.O. (mg/L)	pH 6.28 6.28	ORP (mV) 53.7 53.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 27.0 26.9	Cond. (uS/cm) 440.3 441.0	D.O. (mg/L) 0.38	р Н 6.28	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 27.0 26.9 27.1	Cond. (uS/cm) 440.3 441.0 441.3	D.O. (mg/L) 0.38 0.38 0.37	pH 6.28 6.28 6.28 6.28	ORP (mV) 53.7 53.2 52.7 52.1	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0	Cond. (uS/cm) 440.3 441.0 441.2 441.0	D.O. (mg/L) 0.38 0.38 0.37 0.40 0.38	6.28 6.28 6.28 6.28 6.28	ORP (mV) 53.7 53.2 52.7 52.1 52.9	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0 27.1 27.0	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0	D.O. (mg/L) 0.38 0.38 0.37 0.40 0.38	6.28 6.28 6.28 6.28 6.28 6.28	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM)	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM V) (8270) (PAF	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH-	D.O. (mg/L) 0.38 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N°	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle a) WTPH-Gx) (BT	#DIV/0! pplicable or write EX) (8141) (Oil & Gre	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 26.9 27.1 27.0 27.0 27.0 26.9 27.1 27.0 (8260C SIM '(8270) (PAH) (Conductive Conductive Cond	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- lectivity) (TD:	D.O. (mg/L) 0.38 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW D) (NWTPH S) (TSS) (B	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N'I-Dx) (TPH-OD) (Turbic	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write EEX) (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM ° (8270) (PAF-qpH) (Conduction)	Cond. (uS/cm) 440.3 441.0 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- lectivity) (TD: C SM5310C)	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW D) (NWTPH S) (TSS) (B (Total PO4)	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (NY 6-Dx) (TPH-OD) (Turbio (Total Kieda	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle a) WTPH-Gx) (BT	#DIV/0! pplicable or write EEX) (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM V (8270) (PAF (PH) (Conduction (COD) (TOC) (Total Cyanidation (Cod))	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- lectivity) (TDS C SM5310C) le) (WAD Cy	D.O. (mg/L) 0.38 0.37 0.40 0.38 LLOWED PE (8020) (NW D) (NWTPH S) (TSS) (B (Total PO4) vanide) (Free	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbid (Total Kiedal Cyanide)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (613) (NO3/NO2)	DTW (ft) non-standard a asse) CI) (SO4) (NO	ralysis below) WA WA WA O WA WA	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM V (8270) (PAF- (pH) (Condu- (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- lectivity) (TD: C SM5310C) le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.38 0.37 0.40 0.38 LLOWED PE (8020) (NW D) (NWTPH S) (TSS) (B (Total PO4) (Total PO4) (Total PO4) (Free Ba) (Be) (Ca	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N'-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM V (8270) (PAF- (pH) (Condu- (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- lectivity) (TD) C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.38 0.37 0.40 0.38 LLOWED PE (8020) (NW D) (NWTPH S) (TSS) (B (Total PO4) (Total PO4) (Total PO4) (Free Ba) (Be) (Ca	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 26.9 27.1 27.0 TYPICAL A (8260C SIM ' (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- lectivity) (TD) C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW TPH S) (TSS) (B (Total PO4) (Total PO4) (Pree Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ca (Da) (Da) (Ca (Da) (Da) (Da) (Da) (Da) (Da) (Da) (Da	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 26.9 26.9 27.1 27.0 TYPICAL A (8260C SIM '8260C SIM '(COD) (TOd (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- activity) (TD: C SM5310C) e) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW TPH S) (TSS) (B (Total PO4) (Total PO4) (Pree Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ca (Da) (Da) (Ca (Da) (Da) (Da) (Da) (Da) (Da) (Da) (Da	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM V (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- activity) (TD: C SM5310C) e) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW TPH S) (TSS) (B (Total PO4) (Total PO4) (Pree Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ca (Da) (Da) (Ca (Da) (Da) (Da) (Da) (Da) (Da) (Da) (Da	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 26.9 26.9 27.1 27.0 TYPICAL A (8260C SIM '8260C SIM '(COD) (TOd (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- activity) (TD: C SM5310C) e) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW TPH S) (TSS) (B (Total PO4) (Total PO4) (Pree Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ca (Da) (Da) (Ca (Da) (Da) (Da) (Da) (Da) (Da) (Da) (Da	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM '8270) (PAF(PH) (Conducted Metals (Dissolved M VOC (Boein Methane Etherothers)	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- activity) (TD: C SM5310C) e) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW TPH S) (TSS) (B (Total PO4) (Total PO4) (Pree Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ca (Da) (Da) (Ca (Da) (Da) (Da) (Da) (Da) (Da) (Da) (Da	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 26.9 27.1 27.0 TYPICAL A (8260C SIM '8270) (PAF(PH) (Conducted Metals (Dissolved M VOC (Boein Methane Etherothers)	Cond. (uS/cm) 440.3 441.0 441.3 441.2 441.0 NALYSIS AI VC) (8010) I) (NWTPH- activity) (TD: C SM5310C) e) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.38 0.37 0.40 0.38 LOWED PE (8020) (NW TPH S) (TSS) (B (Total PO4) (Total PO4) (Pree Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ba) (Be) (Ca (Da) (Ca (Da) (Da) (Ca (Da) (Da) (Da) (Da) (Da) (Da) (Da) (Da	6.28 6.28 6.28 6.28 6.28 6.28 TPH-G) (N' 1-Dx) (TPH-OD) (Turbic (Total Kieda Cyanide) () (Cd) (Co)	ORP (mV) 53.7 53.2 52.7 52.1 52.9 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gree) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a sase) CI) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/10/2020@	1141		
Sample Num	ıber:	RGW152S-	200810		Weather:	SUNNY			
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES)	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	9.57	Time:	1109	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/10/2020 @	1112	End Purge:	Date/Time:	8/10/2020 @	1130	Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L) n of Paramet	ers for three	(mV)	(NTU) lings within the fol	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1115	19.5	259.2	1.84	6.13	7.3		9.58		
1118	20.4	294.9	1.25	6.14	-7.8		9.59		
1121	20.8	297.4	1.21	6.14	-11.7		9.59		
							7.37		
1124	21.1	297.9	1.14	6.15	-13.4				
1127	21.5	297.3	1.10	6.15	-13.8				
1130	21.8	296.2	1.04	6.15	-13.8				
1132									
SAMPLE CO									
Sample Collec	cted With:		Bailer		_ ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	DED. BLADDER		. <u>_</u>	
Made of:	Ш	Stainless Stee	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	l Order)	Other							
		\Box							
		\Box	, sheen, etc.):	GREY, LOW	V-MED TURB, N	O/NS.			
		\Box	D.O. (mg/L)	GREY, LOV	V-MED TURB, N ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 21.9	Cond. (uS/cm) 296.2 296.3	D.O. (mg/L) 1.01	pH 6.15 6.15	ORP (mV) -13.8	Turbidity			
Sample Descr Replicate 1 2 3	Temp (°F/°C) 21.9 21.9	Cond. (uS/cm) 296.2 296.3	D.O. (mg/L) 1.01 1.00	pH 6.15 6.15 6.14	ORP (mV) -13.8 -13.8	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.9 21.9 21.9 22.0	Cond. (uS/cm) 296.2 296.3 296.0	D.O. (mg/L) 1.01 1.00 1.01	pH 6.15 6.15 6.14 6.14	ORP (mV) -13.8 -13.8 -13.9	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 21.9 22.0 21.9	Cond. (uS/cm) 296.2 296.3 296.0 296.1	D.O. (mg/L) 1.01 1.00 1.01 1.02	pH 6.15 6.15 6.14 6.14 6.15	ORP (mV) -13.8 -13.8 -13.8 -13.9 -13.8	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9	Cond. (uS/cm) 296.2 296.3 296.0 296.0	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01	6.15 6.15 6.14 6.14 6.15 CR BOTTLE	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM)	Cond. (uS/cm) 296.2 296.3 296.0 296.1 NALYSIS AI (8010) (8020	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 LOWED PE () (NWTPH-	6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle apolitical of the content of t	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 296.2 296.3 296.0 296.1 NALYSIS AI (8010) (8020)	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 LOWED PE) (NWTPH-H-D) (NWTF	pH 6.15 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle apolitical Control of the Cont	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 296.2 296.3 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 1.02 1.01 I.OS I.OWED PE I.ON (NWTPH-IIII) (NWTPH-IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	6.15 6.15 6.14 6.15 6.18 6.19 6.19 6.19 6.19 6.10 6.10 6.10 6.10 6.10 6.10 6.10 6.10	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle all H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity)	#DIV/0! pplicable or write in (8141) (Oil & Gi) (HCO3/CO3) (Control of the control of the contro	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA(PH) (Conduction) (TOO	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPH (NWTPH (CT)) (TD) (C5310C) (To)	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 LOWED PE D) (NWTPH-H-D) (NWTFH-H-D)	6.15 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle apolitical Control of the Cont	#DIV/0! pplicable or write in (8141) (Oil & Gi) (HCO3/CO3) (Control of the control of the contro	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 21.9 21.9 21.9 (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Too	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To le) (WAD Cy	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 LOWED PE 0) (NWTPH-H-D)	pH 6.15 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3)	#DIV/0! pplicable or write in (8141) (Oil & Gi) (HCO3/CO3) (Control of the control of the contro	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 296.2 296.3 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (1200) (To (1200)) (As) (Sb) (D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 LOWED PE D) (NWTPH-H-D) (NWTF S) (TSS) (B tal PO4) (To ranide) (Free Ba) (Be) (Ca	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (Towns (25310C)) (Towns (25310C)) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 LOWED PE D) (NWTPH-H-D) (NWTF S) (TSS) (B tal PO4) (To ranide) (Free Ba) (Be) (Ca	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (Towns (25310C)) (Towns (25310C)) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 I.OWED PE O (NWTPH-I-D) (NWTPH-I-D	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To (25310C)) (To (25310C)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 I.OWED PE O (NWTPH-I-D) (NWTPH-I-D	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To (25310C)) (To (25310C)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 I.OWED PE O (NWTPH-I-D) (NWTPH-I-D	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 296.2 296.3 296.0 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To (25310C)) (To (25310C)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 I.OWED PE O (NWTPH-I-D) (NWTPH-I-D	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 296.2 296.3 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPH (8010) (TDS (8010) (Tos (8010) (Tos (8010) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (As) (Setals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 I.OWED PE O (NWTPH-I-D) (NWTPH-I-D	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 21.9 21.9 22.0 21.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 296.2 296.3 296.0 296.1 NALYSIS AI (8010) (8020 AH) (NWTPH (8010) (TDS (8010) (Tos (8010) (Tos (8010) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (As) (Setals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 1.01 1.00 1.01 1.02 1.01 1.02 1.01 LOWED PE (a) (NWTPH-ID) (NWTPH-ID	pH 6.15 6.14 6.14 6.15 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -13.8 -13.8 -13.9 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr. (NO3/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



	ne:	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		August 202	0		Date/Time:	8/10/2020@	800		
Sample Nun	nber:	RGWDUP1	1 200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES		Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	`	Time:	٠ .	Flow through ce	ll vol		GW Meter No.(s	· 1
		8/10/2020 @		End Purge:		8/10/2020 @		Gallons Purged:	
Purge water of		<u>0.10.2020 @</u>	55-gal Drum	Ë	Storage Tank	Ground		SITE TREATM	FNT SVSTFM
r urge water c	insposed to.	_	55 gai Diani		Storage rank	Ground	other	SIIL IRLIIII	ENTERE
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
Time	. ,	. ,	· · ·	ers for three	. ,	dings within the foll	. ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
		DU	PLICA	TE T	O RGV	W152S			
						. 1325		-	
						-			
CAMPLE CC	DLLECTION I	<u> </u>							
Sample Colle		DATA	Bailer		Pump/Pump Typ	e DED. BLADDER			
•	cted Willi.	Stainless Ste	_	PVC		_	D Other	Dedicated	
Made of:					Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	dure:	Alconox Wa	ch I	Tan Dina					
		_	sii 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other							
, -		Other			V-MED TURB, N				
Sample Descri	ription (color,	Other turbidity, odor	r, sheen, etc.):	GREY, LOV	V-MED TURB, N	IO/NS.	DTW	Ferrous iron	Comments
, -		Other					DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	ription (color,	Other turbidity, odor	r, sheen, etc.):	GREY, LOV	V-MED TURB, N	IO/NS. Turbidity			
Sample Describerate Replicate	ription (color,	Other turbidity, odor	r, sheen, etc.):	GREY, LOV	V-MED TURB, N	IO/NS. Turbidity			
Sample Descri Replicate	ription (color,	Other turbidity, odor	r, sheen, etc.):	GREY, LOV	V-MED TURB, N	IO/NS. Turbidity			
Sample Describerate Replicate	ription (color,	Other turbidity, odor	r, sheen, etc.):	GREY, LOV	V-MED TURB, N	IO/NS. Turbidity			
Replicate 1 2	ription (color,	Other turbidity, odor	p.O.	GREY, LOV	V-MED TURB, N	IO/NS. Turbidity			
Replicate 1 2 3	ription (color,	Other turbidity, odor	p.O.	GREY, LOV	V-MED TURB, N	IO/NS. Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0!	Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	grey, Low pH #DIV/0!	V-MED TURB, N ORP (mV) #DIV/0!	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0! TYPICAL A	Cond. (uS/cm) #DIV/0!	#DIV/0!	grey, low pH #DIV/0!	V-MED TURB, N ORP (mV) #DIV/0! TYPE (Circle a	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0! TYPICAL A (8260-SIM)	Cond. (uS/cm) #DIV/0! NALYSIS AI (8010) (8020	#DIV/0! LLOWED PE	grey, low pH #DIV/0! CR BOTTLE G) (NWTPH	W-MED TURB, N ORP (mV) #DIV/0! TYPE (Circle a H-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write no	(ft) on-standard a	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) #DIV/0! NALYSIS AI (8010) (8020	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP	#DIV/0! CR BOTTLE G) (NWTPFPH-Dx) (TPF	V-MED TURB, N ORP (mV) #DIV/0! TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	on-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	#DIV/0! NALYSIS AI (8010) (8020) AH) (NWTPI	#DIV/0! LLOWED PE (D) (NWTPH-H-D) (NWTP	#DIV/0! #DIV/0! CR BOTTLE G) (NWTPI PH-Dx) (TPF OD) (Turbic	V-MED TURB, N ORP (mV) #DIV/0! TYPE (Circle a I-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write note (8141) (Oil & Gree) (HCO3/CO3) (Cite (Control of the control of the c	on-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOC	#DIV/0! **NALYSIS AI (8010) (8020 AH) (NWTPI letivity) (TD C5310C) (To	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (To	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N	V-MED TURB, N ORP (mV) #DIV/0! TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write note (8141) (Oil & Gree) (HCO3/CO3) (Cite (Control of the control of the c	on-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanic	#DIV/0! **NALYSIS AI (8010) (8020 AH) (NWTPI lectivity) (TD C5310C) (To	#DIV/0! #DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (To yanide) (Free	#DIV/0! #DIV/0! ER BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (Cinc) (NO3/NO2)	on-standard and ease)	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals	#DIV/0! **NALYSIS AI* (8010) (8020 AH) (NWTPI netivity) (TD C5310C) (To de) (WAD Cy) (As) (Sb) (#DIV/0! #DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (To yanide) (Free (Ba) (Be) (Ca)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals	#DIV/0! **NALYSIS AI* (8010) (8020) AH) (NWTPI uctivity) (TD C5310C) (To le) (WAD Cy o) (As) (Sb) (fetals) (As) (Sl)	#DIV/0! #DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (To yanide) (Free (Ba) (Be) (Ca)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (Cinc) (NO3/NO2)	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS AI* (8010) (8020) AH) (NWTPI uctivity) (TD C5310C) (To le) (WAD Cy o) (As) (Sb) (fetals) (As) (Sl)	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (Tooyanide) (Free (Ba) (Be) (Cab) (Ba) (Be) (Cab)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS AI (8010) (8020) AH) (NWTPI (100) (TO (100)) (As) (Sb) (etals) (As) (Sl) (ag short list)	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (Tooyanide) (Free (Ba) (Be) (Cab) (Ba) (Be) (Cab)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS AI (8010) (8020) AH) (NWTPI (100) (TO (100)) (As) (Sb) (etals) (As) (Sl) (ag short list)	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (Tooyanide) (Free (Ba) (Be) (Cab) (Ba) (Be) (Cab)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS AI (8010) (8020) AH) (NWTPI (100) (TO (100)) (As) (Sb) (etals) (As) (Sl) (ag short list)	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (Tooyanide) (Free (Ba) (Be) (Cab) (Ba) (Be) (Cab)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	#DIV/0! **NALYSIS AI (8010) (8020) AH) (NWTPI (100) (TO (100)) (As) (Sb) (etals) (As) (Sl) (ag short list)	#DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (Botal PO4) (Tooyanide) (Free (Ba) (Be) (Cab) (Ba) (Be) (Cab)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	#DIV/0! **NALYSIS AI (8010) (8020) AH) (NWTPI (100) (TO (100)) (As) (Sb) (etals) (As) (Sl) (ag short list)	#DIV/0! #DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (TSS) (Botal PO4) (Towanide) (Free (Ba) (Be) (Ca) (Catylene)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	#DIV/0! TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	#DIV/0! #DIV/0! **NALYSIS AI (8010) (8020 AH) (NWTPI netivity) (TD C5310C) (To de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list) nane Ethene A	#DIV/0! #DIV/0! LLOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (TSS) (Botal PO4) (Towanide) (Free (Ba) (Be) (Ca) (Catylene)	#DIV/0! #BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	#DIV/0! #TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gro.) (HCO3/CO3) (Cit (NO3/NO2) (Pb) (Mg) (Mn) (National Control of the Control of th	on-standard and ease) l) (SO4) (NC	nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



9	ne <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020)		Date/Time:	8/10/2020@	1416		
Sample Nun	nber:	RGW153S-	200810		Weather:	SUNNY, SHAD	ED		
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	9.95	Time:	1344	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/10/2020 @	1346	End Purge:	Date/Time:	8/10/2020 @	1407	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fol	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1349	20.1	190.0	4.01	6.49	24.8		9.97		
1352	20.7	197.7	3.37	6.39	22.7		9.98		
1355	21.5	218.8	2.60	6.39	14.6		9.98		
1358	22.1	239.1	2.29	6.43	2.6		9.98		
1401	22.4	259.5	1.60	6.45	-4.0				
1404			-						
		261.2	1.47	6.45	-6.1				
1406	22.7	263.7	1.27	6.45	-7.6				
	LLECTION I		Dailan		D /D T	DED DI ADDED			
Sample Colle	cted with:	_	Bailer	_		DED. BLADDER		D. F. 4. 1	
Made of:	. =	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	sh 📙	Tap Rinse	DI Water	Dedicated			
(Dr. Marmaniae	al Oudou)	I Othor							
(By Numerica		Other	shaan ata):	NO COLOR	LOW TURE N	O/NS			
. •		₩.	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
. •		₩.	D.O. (mg/L)	NO COLOR	, LOW TURB, N ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 22.7	Cond. (uS/cm) 264.7	D.O. (mg/L) 1.22	pH 6.44 6.45	ORP (mV) -8.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 22.7 22.7	Cond. (uS/cm) 264.7 264.7	D.O. (mg/L) 1.22 1.24	pH 6.44 6.45 6.45	ORP (mV) -8.0 -8.4 -8.7	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 22.7 22.7 22.8	Cond. (uS/cm) 264.7 264.7 264.7	D.O. (mg/L) 1.22 1.24 1.25 1.22	pH 6.44 6.45 6.45 6.45	ORP (mV) -8.0 -8.4 -8.7 -8.9	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.8 22.7	Cond. (uS/cm) 264.7 264.7 264.8 264.7	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23	6.44 6.45 6.45 6.45 6.45	ORP (mV) 8.0 8.4 8.7 8.9 8.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.7 22.8 22.7	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI	6.44 6.45 6.45 6.45 6.45 6.45	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PF (NWTPH-	6.44 6.45 6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 6.45 6.45	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write in	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PF (NWTPH-I-D) (NWTF	6.44 6.45 6.45 6.45 6.45 6.45 CER BOTTLE G) (NWTPH	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PF (NWTPH-ID) (N	6.44 6.45 6.45 6.45 6.45 6.45 6.19 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Grant (Oil & Gra	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction) (COD) (Too	Cond. (uS/cm) 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTI (I-D) (NWTI (I-D) (NWTI (I-D) (TSS) (E	6.44 6.45 6.45 6.45 6.45 6.45 CER BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (TPH-Dx) (TPH-Dx) (TRI-Dx) (TRI-Dx) (TRI-DxI-DxI-DxI-DxI-DxI-DxI-DxI-DxI-DxI-Dx	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Grant (Oil & Gra	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH uctivity) (TDS	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PP 1-D) (NWTPH-1-D) (NWTPH-1	6.44 6.45 6.45 6.45 6.45 6.45 G. (NWTPFPH-Dx) (TPFBOD) (Turbiostal Kiedahl Nec Cyanide)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Grant (Oil & Gra	non-standard a	nalysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH detivity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (I	1.22 1.24 1.25 1.22 1.23 1.20 1.20 1.20 1.21 1.22 1.23 1.23 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot (be) (WAD Cy (c) (As) (Sb) (1) (ctals) (As) (Sb) (1)	1.22 1.24 1.25 1.22 1.23 1.20 1.20 1.20 1.21 1.22 1.23 1.23 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot (be) (WAD Cy (c) (As) (Sb) (1) (ctals) (As) (Sb) (1)	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTH I-D) (NWTB I-D) (To anide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca (Ba) (Be) (Ca	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy (be) (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTH I-D) (NWTB I-D) (To anide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca (Ba) (Be) (Ca	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy (be) (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTH I-D) (NWTB I-D) (To anide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca (Ba) (Be) (Ca	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy (be) (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTH I-D) (NWTB I-D) (To anide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca (Ba) (Be) (Ca	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy (be) (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTH I-D) (NWTB I-D) (To anide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca (Ba) (Be) (Ca	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 264.7 264.7 264.7 264.8 264.7 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy (be) (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.22 1.24 1.25 1.22 1.23 LOWED PI (NWTPH-I-D) (NWTH I-D) (NWTB I-D) (To anide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca (Ba) (Be) (Ca	pH 6.44 6.45 6.45 6.45 6.45 6.45 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl No. 2 Cyanide) a) (Cd) (Co)	ORP (mV) -8.0 -8.4 -8.7 -8.9 -8.5 TYPE (Circle alder (Circle alder (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard and rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/10/2020@	1101		
Sample Nun	nber:	RGW172S-	200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	9.55	Time:	1030	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/10/2020 @	1033	End Purge:	Date/Time:	8/10/2020 @	1054	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fol	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1036	21.4	294.7	1.16	6.36	-0.6		9.67		
1039	22.4	309.4	0.86	6.36	-2.7		9.63		
1042	23.0	328.5	0.72	6.41	-8.2		9.63		
1045	23.4	337.8	0.65	6.44	-12.6		9.62		
1048	24.0	344.1	0.57	6.46	-17.4				
1051	24.4	348.7	0.55	6.47	-20.2		_		
1053		352.5	0.49	6.48	-22.8				
1033	24.0	332.3	0.49	0.46	-22.0				
SAMPLE CO	DLLECTION I)ATA							
Sample Colle			Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was		Tap Rinse	DI Water	Dedicated			
(By Numerica		Other	<u>u</u>	rup runse	□ B1 Water	Dedicated			
()									
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	SLIGHT TA	N, LOW-MED T	URB, NO/NS, PAR	TICULATES.		
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	SLIGHT TA	N, LOW-MED T	URB, NO/NS, PAR	TICULATES.		
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	SLIGHT TA	ORP (mV)	URB, NO/NS, PAR Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C) 24.7 24.8	Cond. (uS/cm) 352.9 353.2	D.O. (mg/L)	рН 6.49	ORP (mV) -23.3 -23.4	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 24.7 24.8 24.7	Cond. (uS/cm) 352.9 353.2 353.6	D.O. (mg/L) 0.49 0.48	pH 6.49 6.49 6.49	ORP (mV) -23.3 -23.4	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 24.7 24.8	Cond. (uS/cm) 352.9 353.2	D.O. (mg/L) 0.49	pH 6.49 6.49	ORP (mV) -23.3 -23.4	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5	D.O. (mg/L) 0.49 0.48 0.47 0.48	6.49 6.49 6.49 6.49	ORP (mV) -23.3 -23.4 -23.3 -23.4	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5	D.O. (mg/L) 0.49 0.48 0.47 0.48	6.49 6.49 6.49 6.49 6.49	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM)	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-	6.49 6.49 6.49 6.49 6.49 6.49 6.49 6.49	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write i	DTW (ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.49 0.48 0.47 0.48 LOWED PI 0) (NWTPH-I-D) (NWTI	6.49 6.49 6.49 6.49 6.49 6.49 6.49 FER BOTTLE G) (NWTPF	ORP (mV) -23.3 -23.4 -23.4 -23.3 -23.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-H-D) (NWTH	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPPPH-Dx) (TPPBOD) (Turbic	ORP (mV) -23.3 -23.4 -23.4 -23.3 -23.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr.) (HCO3/CO3) (Gr.)	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH I-D) (NW	6.49 6.49 6.49 6.49 6.49 6.19 6.49 CER BOTTLE G) (NWTPH-PH-Dx) (TPI BOD) (Turbio tal Kiedahl N	ORP (mV) -23.3 -23.4 -23.4 -23.3 -23.4 TYPE (Circle all H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write 1 (8141) (Oil & Gr.) (HCO3/CO3) (Gr.)	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (Tool (Total Cyanicion)	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (C5310C) (Total	D.O. (mg/L) 0.49 0.48 0.47 0.48 LOWED PI 0) (NWTPH-H-D) (NWTH-S) (TSS) (Estal PO4) (Total points) (Free rande)	6.49 6.49 6.49 6.49 6.49 6.49 CER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio tal Kiedahl Ne Cyanide)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr.) (HCO3/CO3) (Gr.)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (C5310C) (Toc (le) (WAD Cy (le) (WAD Cy (le) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-H-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (T	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (To (le) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (C5310C) (Toc (le) (WAD Cy (le) (WAD Cy (le) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (To (le) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (To (le) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (To (le) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (To (le) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.7 24.8 24.7 24.8 24.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 352.9 353.2 353.6 354.2 353.5 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (To (le) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.49 0.48 0.47 0.48 LLOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTI S) (TSS) (Etal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (B	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic stal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -23.3 -23.4 -23.3 -23.4 TYPE (Circle ald Grade (Circle ald Grade (Circle)) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 202	0		Date/Time:	8/10/2020@	1306		
Sample Num	ıber:	RGW173S-	200810		Weather:	SUNNY			
Landau Repi	resentative:	JAN			•				
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:			
DTW Before		9.62	Time:	- '	Flow through ce			GW Meter No.(s	s 1
	Date/Time:			End Purge:	-	8/10/2020 @	1248	Gallons Purged:	0.25
Purge water d		0/10/2020@	55-gal Drum	Ĕ	Storage Tank	Ground		SITE TREATM	
i uige water d	iisposed to.			-	Storage Talik	E Ground	Other	SITE TREATM	ENT STSTEM
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP (mV)	Turbidity	DTW	Internal Purge	Comments/
Time	` ′	(uS/cm) s: Stablizatio	(mg/L) n of Paramet	ers for three	. ,	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1230	20.6	338.9	0.97	6.25	15.0		9.58		
1233	22.6	391.7	0.92	6.35	4.2		9.58		
							9.58		
1236		402.5	0.94	6.37	0.5		9.38		
1239	24.2	420.9	0.85	6.41	-5.2				
1242	24.6	428.0	0.77	6.41	-7.0				
1245	24.9	433.7	0.70	6.43	-9.0				
1247	25.2	439.6	0.70	6.43	-10.5				
SAMPLE CO	LLECTION I	DATA							
Sample Colle			Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa		Tap Rinse	DI Water	Dedicated			
			<i></i> —	rap remse	□ Di Water	Dedicated			
- I DV Numerica	ıl Order)	□ Other							
•	<i>il Order)</i> ciption (color. 1	Other	sheen etc.):	NO COLOR	LOW TURB. N	O/NS			
•		—	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
•		—	D.O. (mg/L)	NO COLOR	, LOW TURB, N	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate	Temp (°F/°C) 25.2 25.3	Cond. (uS/cm) 440.5	D.O. (mg/L) 0.67	pH 6.43 6.44	ORP (mV) -10.8	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 25.2 25.3 25.3	Cond. (uS/cm) 440.5 441.1	D.O. (mg/L) 0.67 0.68	pH 6.43 6.44 6.44	ORP (mV) -10.8 -11.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 25.2 25.3 25.3	Cond. (uS/cm) 440.5 441.1 442.3	D.O. (mg/L) 0.67 0.68 0.68	pH 6.43 6.44 6.44	ORP (mV) -10.8 -11.0 -11.2	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 25.2 25.3 25.3	Cond. (uS/cm) 440.5 441.1	D.O. (mg/L) 0.67 0.68	pH 6.43 6.44 6.44	ORP (mV) -10.8 -11.0	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.2 25.3 25.3 25.3 TYPICAL A	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4	D.O. (mg/L) 0.67 0.68 0.66 0.67	6.43 6.44 6.44 6.44 6.44 CR BOTTLE	ORP (mV) -10.8 -11.0 -11.2 -11.5 -11.1 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 TYPICAL A (8260-SIM)	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE	6.43 6.44 6.44 6.44 6.44 CR BOTTLE	ORP (mV) -10.8 -11.0 -11.2 -11.5 -11.1 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PP 0) (NWTPH-I-D) (NWTF	6.43 6.44 6.44 6.44 6.44 CR BOTTLE G) (NWTPF	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-H-D) (NWTF	6.43 6.44 6.44 6.44 6.44 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Go) (HCO3/CO3) (G)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (25310C) (To	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE D) (NWTPH-H-D) (NWTP	6.43 6.44 6.44 6.44 6.44 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Go) (HCO3/CO3) (G)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (C5310C) (To) (e) (WAD Cy	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PF D) (NWTPH-I-D) (NWTP	pH 6.43 6.44 6.44 6.44 6.7 6.44 6.44 6.44 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -10.8 -11.0 -11.2 -11.5 -11.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a	nalysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020) AH) (NWTPHetivity) (TDS (25310C) (To be) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Towns and the property of the property	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (To (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Towns and the property of the property	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (To (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-I-D) (NWTP	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TD: (25310C) (To (be) (WAD Cy (ctals) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-I-D) (NWTP	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TD: (25310C) (To (be) (WAD Cy (ctals) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-I-D) (NWTP	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TD: (25310C) (To (be) (WAD Cy (ctals) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE 0) (NWTPH-I-D) (NWTP	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To (e) (WAD Cy (o) (As) (Sb) (etals) (As) (Sb) (getals) (As) (Sb) (anne Ethene Acceptance)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Towarde) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.2 25.3 25.3 25.3 25.3 25.3 25.3 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 440.5 441.1 441.7 442.3 441.4 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TD: (25310C) (To (be) (WAD Cy (ctals) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.66 0.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Towarde) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.43 6.44 6.44 6.44 6.44 6.44 6.49 6.44 6.44	ORP (mV) -10.8 -11.0 -11.5 -11.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Rent	on		Project Numbe	r:	0025217.099.0	99	
Event:		August 2020)		Date/Time:	8/10/2020@	1341		
Sample Nun	nber:	RGW226S-	200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	9.33	Time:	1305	Flow through ce	ll vol.		GW Meter No.(s	s 1
	Date/Time:		1311	End Purge:		8/10/2020 @	1332	Gallons Purged:	0.25
Purge water of			55-gal Drum	_	Storage Tank	Ground		SITE TREATM	
8	•	_			Ü	_	_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	, ,	` ,	` ' '	ters for three	` /	dings within the fol	` '	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1314	23.0	257.0	1.18	6.38	10.3		9.33		
1317	24.0	284.9	0.99	6.34	1.1		9.33		
1320	25.0	321.1	0.82	6.37	-10.4		9.33		
1323		341.1	0.63						
				6.42	-17.2	-			
1326	26.1	352.3	0.60	6.44	-22.3	-			
1329	26.7	361.5	0.49	6.45	-28.2	-			
1331	26.9	364.5	0.47	6.46	-29.8				
SAMPLE CO	DLLECTION D	OATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	ıl 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	h 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
Sample Descri									
Sample Desc.	ription (color,	turbidity, odor,	sheen, etc.):	ORANGISH	, LOW-MED TU	RB, NO/NS.			
	ription (color,		-						
Replicate	Тетр	Cond.	D.O.	ORANGISH pH	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Тетр	Cond.	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C) 26.9	Cond. (uS/cm)	D.O. (mg/L)	рН 6.46	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 26.9	Cond. (uS/cm) 364.7 365.4	D.O. (mg/L) 0.45	pH 6.46 6.46	ORP (mV) -30.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 26.9 27.0	Cond. (uS/cm) 364.7 365.4 365.6	D.O. (mg/L) 0.45 0.45	pH 6.46 6.46	ORP (mV) -30.0 -30.5	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.9 26.9 27.0 27.0	Cond. (uS/cm) 364.7 365.4 365.6 365.8	D.O. (mg/L) 0.45 0.45 0.44 0.43	6.46 6.46 6.46 6.46	ORP (mV) -30.0 -30.5 -30.5 -30.4	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.9 27.0 27.0 27.0	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44	pH	ORP (mV) -30.0 -30.5 -30.5 -30.5 -30.4 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.9 27.0 27.0 27.0 (8260-SIM)	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-	6.46 6.46 6.46 6.46 6.46 6.7 6.46 6.46 6	ORP (mV) -30.0 -30.5 -30.5 -30.5 -30.4 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write i	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.9 27.0 27.0 27.0 (8260-SIM) (8270D) (PA	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (NWTIPH-I-D) (NWTIPH	6.46 6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPI	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle all H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 27.0 (8260-SIM) (8270D) (PA) (pH) (Condu	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI	6.46 6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle all H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Circle)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 27.0 27.0 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0. (NWTPH-I-D) (NWTI	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPH PH-Dx) (TPI BOD) (Turbi otal Kiedahl N	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Circle)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH netivity) (TDS C5310C) (Tot le) (WAD Cy.	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI O (NWTPH-C-D) (NWTIC) (TSS) (Eal PO4) (Tcanide) (Free	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N C Cyanide)	ORP (mV) -30.0 -30.5 -30.5 -30.5 -30.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Circle)	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 (8260-SIM) (8270D) (PA) (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot) (le) (WAD Cyc) () (As) (Sb) (I	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-ID) (NWTI) 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 (Section 1) (8260-SIM) (8270D) (PA) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 (Section 1) (8260-SIM) (8270D) (PA) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (C5310C) (Tot (le) (WAD Cy.) (As) (Sb) (I (etals) (As) (Sb)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 (Section 1) (8260-SIM) (8270D) (PA) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 27.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 (Section 1) (8260-SIM) (8270D) (PA) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 27.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 27.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate San	Temp (°F/°C) 26.9 26.9 27.0 27.0 27.0 27.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 364.7 365.4 365.6 365.8 365.4 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb) g short list)	D.O. (mg/L) 0.45 0.45 0.44 0.43 0.44 LOWED PI 0 (NWTPH-I-D) (NWTI 0 (TSS) (Eal PO4) (Total PO4	6.46 6.46 6.46 6.46 6.46 ER BOTTLE G) (NWTPP PH-Dx) (TPI BOD) (Turbi otal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.5 -30.5 -30.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (Cr (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/10/2020@	846		
Sample Nun	nber:	RGW232S-	200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	7.58	Time:	817	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/10/2020 @	819	End Purge:	Date/Time:	8/10/2020 @	838	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	_					lings within the fol	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
822	19.3	537	2.01	6.13	-43.1		7.92		
825	19.7	560	1.86	6.09	-36.4		7.96		
828	20.4	577	1.79	6.14	-34.0		8.01		
831	20.8	585	1.91	6.17	-31.6		8.03		
834	21.2	590	1.94	6.21	-29.5		8.10		
837		596	1.87	6.24	-27.9				
839	·								
	LLECTION I		D 11		D /D /T	DED DI LIDDER			
Sample Colle	cted With:		Bailer	_		DED. BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
		₩							
Sample Descr		₩	; sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
	ription (color,	₩	-				DTW	Ferrous iron	Comments/
Sample Descri Replicate		turbidity, odor	D.O. (mg/L)	NO COLOR	ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	ription (color,	turbidity, odor	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	turbidity, odor Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.6 21.5	Cond. (uS/cm) 596	D.O. (mg/L) 1.84	pH 6.24 6.25	ORP (mV) -28.2	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.6 21.5	Cond. (uS/cm) 596 597	D.O. (mg/L) 1.84 1.85	pH 6.24 6.25 6.25	ORP (mV) -28.2 -27.7 -27.4	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.6 21.6 21.6 21.6	Cond. (uS/cm) 596 597 597	D.O. (mg/L) 1.84 1.85 1.84	6.24 6.25 6.25 6.25	ORP (mV) -28.2 -27.7 -27.4	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 21.6 21.5	Cond. (uS/cm) 596 597	D.O. (mg/L) 1.84 1.85	pH 6.24 6.25 6.25	ORP (mV) -28.2 -27.7 -27.4	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.6 21.6 21.6 21.6 21.6	Cond. (uS/cm) 596 597 597 598	D.O. (mg/L) 1.84 1.85 1.84 1.82	6.24 6.25 6.25 6.25 6.25	ORP (mV) -28.2 -27.7 -27.4 -27.4	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 (8260-SIM)	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 LLOWED PE	6.24 6.25 6.25 6.25 6.25 6.25 6.26 G) (NWTPE	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 LLOWED PP (INWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D)	6.24 6.25 6.25 6.25 6.25 6.25 G. (NWTPF	ORP (mV) -28.2 -27.7 -27.4 -27.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (pH) (Conduction)	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 LLOWED PF D) (NWTPH-H-D) (NWTPH-S) (TSS) (E	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CR BOTTLE G) (NWTPFPH-Dx) (TPFBOD) (Turbic	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA(PH) (Conduction) (COD) (Too	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 LLOWED PI 1.9) (NWTPH-I-D) (NWTH-I-D) (NWTH-	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CR BOTTLE CHOWN (TPI CHON) (TPI CHON) (TURBIC TOTAL Kiedahl N	ORP (mV) -28.2 -27.7 -27.4 -27.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Conduction (COD) (Total Cyanidates)	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.89 1.84 1.89 1.84 1.89 1.84 1.80 1.84 1.80 1.84 1.87 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 G. (NWTPFPH-Dx) (TPFBOD) (Turbio ttal Kiedahl Ne Cyanide)	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a	nalysis below) WA WA ONE WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (Tode) (WAD Cy	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 LLOWED PF O) (NWTPH-H-D) (NWTH-H-D) (NWTH-H-D) (NWTH-H-D) (Total PO4)	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS C5310C) (Todle) (WAD Cy c) (As) (Sb) ((steals) (As) (Sc)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 LLOWED PF O) (NWTPH-H-D) (NWTH-H-D) (NWTH-H-D) (NWTH-H-D) (Total PO4)	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS C5310C) (Todle) (WAD Cy c) (As) (Sb) ((steals) (As) (Sc)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (To- de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (To- de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (To- de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (To- de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (To- de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.5 21.6 21.6 21.6 21.6 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 596 597 598 597 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS C5310C) (To- de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 1.84 1.85 1.84 1.82 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80 1.84 1.80	6.24 6.25 6.25 6.25 6.25 6.25 6.26 CER BOTTLE CHOWN (TPHON) (T	ORP (mV) -28.2 -27.7 -27.4 -27.4 -27.7 TYPE (Circle ald-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/10/2020@	1026		
Sample Nun	nber:	RGW234S-	200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN			•				
WATER LEV	VEL/WELL/PI	URGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	8.20	Time:		Flow through ce	ll vol.	•	GW Meter No.(s	s 1
	Date/Time:			End Purge:	C	8/10/2020 @	1019	Gallons Purged:	0.25
Purge water d	disposed to:		55-gal Drum		Storage Tank	Ground	_	SITE TREATM	ENT SYSTEM
	Т	Cond	D.O.	_	ODD	— Turbidity	DTW	Intomal Dans	Commental
Time	Temp (°F/°C)	Cond. (uS/cm)	(mg/L)	pН	ORP (mV)	(NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					dings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1002	19.6	236.8	2.26	5.95	13.3		8.22		
1005	20.9	255.1	1.71	5.96	10.6		8.20		
1008	21.8	312.2	1.61	6.11	3.0		8.20		
1011	22.1	338.4	1.38	6.21	0.9				
1014		340.4	1.30	6.25	-0.2		-		
-							-		
1017		336.2	1.19	6.27	-1.1			. ———	
1019	23.0	331.4	1.13	6.28	-1.9				
	DLLECTION I		D :1		D /D T	DED DI ADDED			
Sample Colle	ected With:		Bailer	_		DED. BLADDER			-
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed		Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other							
. •		-	, sheen, etc.):	TANISH, LO	OW-MED TURB	, NO/NS, SLIGHT	PARTICULATE	ES.	
. •		-	, sheen, etc.):	TANISH, LO	OW-MED TURB	, NO/NS, SLIGHT	PARTICULATE DTW	ES. Ferrous iron	Comments/
Sample Descr	ription (color,	turbidity, odor							Comments/ Observations
Sample Descr	ription (color,	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 331.7	D.O. (mg/L)	pH 6.28	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 23.1 23.1 23.1	Cond. (uS/cm) 331.7 330.0	D.O. (mg/L) 1.15 1.13	pH 6.28 6.29 6.29	ORP (mV) -2.1 -2.4 -2.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 23.1 23.1 23.2	Cond. (uS/cm) 331.7 330.0 329.5	D.O. (mg/L) 1.15 1.13 1.11 1.15	6.28 6.29 6.29	ORP (mV) -2.1 -2.4 -2.3	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.1 23.2 23.1	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14	6.28 6.29 6.29 6.29 6.29	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.1 23.2 23.1 TYPICAL A	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI	6.28 6.29 6.29 6.29 6.29 6.29	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM)	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PF () (NWTPH-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.10 6.29 6.29 6.29 6.29 6.29	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020) AH) (NWTPH	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LOWED PP D) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D)	6.28 6.29 6.29 6.29 6.29 6.29 6.29 G. (NWTPF	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LOWED PH D) (NWTPH-H-D) (NWTH S) (TSS) (E	6.28 6.29 6.29 6.29 6.29 6.29 6.29 FER BOTTLE G) (NWTPF	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & G.) (HCO3/CO3) (G.)	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction) (COD) (Too	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (C5310C) (To	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI 1.10 (NWTPH-I-D) (NWTPH-I-D) (NWTFH-I-D) (NWTFH-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.29 CER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbio tal Kiedahl N	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & G.) (HCO3/CO3) (G.)	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOO (TOO) (T	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PP (NWTPH-D) (N	6.28 6.29 6.29 6.29 6.29 6.29 6.29 CER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio tal Kiedahl N C Cyanide)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write to (8141) (Oil & G.) (HCO3/CO3) (G.)	DTW (ft) mon-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (P4 (pH) (Condu (COD) (Total Cyanic (Total Metals	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHetetivity) (TDS CS310C) (Tode) (WAD Cyc) (As) (Sb) (D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PF D) (NWTH-H-D) (NWTH-S) (TSS) (Estal PO4) (Total Potential Pode) (Trees Page) (Ba) (Be) (Caranide) (Ca	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (P4 (pH) (Condu (COD) (Total Cyanic (Total Metals	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (C5310C) (Toolle) (WAD Cy (c) (As) (Sb) ((etals) (As) (Sb) (St)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PF D) (NWTH-H-D) (NWTH-S) (TSS) (Estal PO4) (Total Potential Pode) (Trees Page) (Ba) (Be) (Caranide) (Ca	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (C5310C) (Toolle) (WAD Cy (c) (As) (Sb) ((etals) (As) (Sb) (St)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (To- de) (WAD Cy (C) (As) (Sb) (detals) (As) (Sb (mg short list)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (To- de) (WAD Cy (C) (As) (Sb) (detals) (As) (Sb (mg short list)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (To- de) (WAD Cy (C) (As) (Sb) (detals) (As) (Sb (mg short list)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (To- de) (WAD Cy (C) (As) (Sb) (detals) (As) (Sb (mg short list)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.1 23.1 23.1 23.2 23.1 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conda (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 331.7 331.1 330.0 329.5 330.6 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (To- de) (WAD Cy (C) (As) (Sb) (detals) (As) (Sb (mg short list)	D.O. (mg/L) 1.15 1.13 1.11 1.15 1.14 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.28 6.29 6.29 6.29 6.29 6.29 6.29 6.20 (NWTPFPH-Dx) (TPFBOD) (Turbio stal Kiedahl New Cyanide) a) (Cd) (Co)	ORP (mV) -2.1 -2.4 -2.3 -2.4 -2.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/10/2020@	1001		
Sample Nun	nber:	RGW235I-	200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	7.67	Time:	925	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/10/2020 @	929	End Purge:	Date/Time:	8/10/2020 @	949	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
Time	,	. ,		ters for three	· /	lings within the fol		>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
932	20.1	163.6	0.37	6.37	12.9		7.69		
935	20.4	165.9	0.48	6.35	12.2		7.69		
938	20.7	167.0	0.81	6.33	11.7		7.69		
941	21.2	169.4	0.93	6.27	10.6				
944		169.6	0.83	6.23	11.6				
947		169.5	0.82		10.8				
-				6.17					
949	21.6	170.8	0.96	6.16	10.2				
C L D FD F CC	VI ECTION E								<u> </u>
Sample Colle	OLLECTION I		Bailer		Dumn/Dumn Tyrne	DED. BLADDER			
Made of:	cted with.	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	411ra:	Alconox Was		Tap Rinse	DI Water	Dedicated	□ ouici	Dedicated	
(By Numerica		Other	»ı <u> </u>	rap Kilise	DI Water	Dedicated			
(By Trumerica	ii Oracij								
Sample Descr	rintion (color	turbidity odor	sheen etc.)	NO COLOR	LOW TURB N	O/NS			
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	NO COLOR	ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.16	ORP (mV)	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.6 21.6	Cond. (uS/cm) 170.9 170.9	D.O. (mg/L) 0.99 1.00	pH 6.16 6.16	ORP (mV) 10.2	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.6 21.6 21.6 21.7	Cond. (uS/cm) 170.9 170.9 171.1 171.2	D.O. (mg/L) 0.99 1.00 1.09	pH 6.16 6.16 6.16 6.16	ORP (mV) 10.2 10.1 10.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0	D.O. (mg/L) 0.99 1.00 1.09 1.05	6.16 6.16 6.16 6.16 6.16	ORP (mV) 10.2 10.1 10.1 10.0 10.1	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0	D.O. (mg/L) 0.99 1.00 1.05 1.03	pH 6.16 6.16 6.16 6.16 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM)	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PF 0) (NWTPH-	6.16 6.16 6.16 6.16 6.16 6.17 6.19 6.19 6.19 6.19 6.19 6.19 6.19 6.19	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write i	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPE	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PR 0) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D)	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PF 0) (NWTPH-H-D) (NWTFH-S) (TSS) (E	6.16 6.16 6.16 6.16 6.16 6.17 ER BOTTLE G) (NWTPP PH-Dx) (TPP	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 ER BOTTLE G) (NWTPH PH-Dx) (TPI BOD) (Turbi otal Kiedahl N	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (Tool (COD) (Tool (Total Cyanic	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PP 0) (NWTPH-H-D) (NWTH-H-D) (NWTH-H-D	6.16 6.16 6.16 6.16 6.16 CER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N C Cyanide)	ORP (mV) 10.2 10.1 10.1 10.0 10.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	non-standard a	nalysis below) WA WA ONE WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PF 0) (NWTPH-H-D) (NWTH-S) (TSS) (Estal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Free PBa) (Be) (Call PO4) (Call PO4) (Total PO4) (Tota	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Metals (Dissolved M VOC (Boein))	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Metals (Dissolved M VOC (Boein))	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Metals (Dissolved M VOC (Boein))	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Metals (Dissolved M VOC (Boein))	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 202	0	_	Date/Time:	8/10/2020@	936		
Sample Num	nber:	RGW236S-	200810		Weather:	SUNNY			
Landau Repr	resentative:	JAN			•				
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:			
DTW Before		7.48	Time:	_	Flow through ce			GW Meter No.(s	s 1
Begin Purge:	0 0 0			End Purge:	-	8/10/2020 @	914	Gallons Purged:	0.25
Purge water d		G/10/2020@	55-gal Drum		Storage Tank	Ground		SITE TREATM	
i uige water d	isposed to.		•		Storage Talik	E Ground	Other	SITE TREATM	ENT STSTEM
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP (mV)	Turbidity	DTW	Internal Purge	Comments/
Time	, ,	(uS/cm) ls: Stablizatio	(mg/L) n of Paramet	ters for three	· /	(NTU) lings within the fol	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
907	20.2	312.3	3.20	6.39	13.8		7.51		
910	20.4	318.8	3.18	6.37	13.6		7.49		
913	21.1	329.0	3.02	6.34	13.5		7.48		
916									
919									
922									
924									
SAMPLE CO	LLECTION D	DATA							
Sample Colle			Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🗖	Tap Rinse	DI Water	Dedicated		_	
					Ш п				
(DV Numerica	ıl Order)	Other							
(By Numerical Sample Description 1)		Other turbidity, odor	, sheen, etc.):	ORANGISH	, LOW-MED TU	RB, NO/NS.			
		_	, sheen, etc.):	ORANGISH	, LOW-MED TU	RB, NO/NS.			
		_	D.O. (mg/L)	ORANGISH pH	ORP (mV)	RB, NO/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	Turbidity			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate	Temp (°F/°C) 21.1 21.2	Cond. (uS/cm) 328.5	D.O. (mg/L) 2.92 2.87	pH 6.33 6.33	ORP (mV) 13.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.1 21.2 21.3	Cond. (uS/cm) 328.5 334.4 335.9	D.O. (mg/L) 2.92 2.87 2.79	pH 6.33 6.33 6.33	ORP (mV) 13.6 13.5	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.1 21.2 21.3 21.3	Cond. (uS/cm) 328.5 334.4 335.9 335.0	D.O. (mg/L) 2.92 2.87 2.79	pH 6.33 6.33 6.33 6.33	ORP (mV) 13.6 13.5 13.5	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 21.1 21.2 21.3	Cond. (uS/cm) 328.5 334.4 335.9	D.O. (mg/L) 2.92 2.87 2.79	pH 6.33 6.33 6.33	ORP (mV) 13.6 13.5	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83	pH	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM)	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LOWED PH)) (NWTPH-	6.33 6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.30 6.30 6.30 6.30	ORP (mV) 13.6 13.5 13.6 13.6 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LOWED PR D) (NWTPH-H-D)	6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.39	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conductive)	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PF () (NWTPH-H-D) (NWTPH-S) (TSS) (E	6.33 6.33 6.33 6.33 6.33 6.33 6.37 6.39 6.30 6.30 6.30 6.30 6.31 6.31 6.32 6.33 6.33 6.33 6.33 6.33 6.33 6.33	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Gro) (HCO3/CO3) (Gro)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH detivity) (TD: 025310C) (To	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI 3.10 (NWTPH-II-D) (NWTH-II-D) (NWTH-	6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.30 CR BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbio ttal Kiedahl N	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Gro) (HCO3/CO3) (Gro)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PP 3.0) (NWTPH-H-D) (NWTPH-	6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.30 CR BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio tal Kiedahl N C Cyanide)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interval of the control of the contro	non-standard a	nalysis below) WA WA WA O WA WA O WA WA O WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: 0.000 Condition (Condition of the condition of the conditio	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PP () (NWTPH-H-D) (NWTH-S) (TSS) (Etal PO4) (Total	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (To de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PP () (NWTPH-H-D) (NWTH-S) (TSS) (Etal PO4) (Total	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (25310C) (To) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI D) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (To de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI 3) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (25310C) (To) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI 3) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (25310C) (To) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI 3) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (25310C) (To) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI 3) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.1 21.2 21.3 21.3 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 328.5 334.4 335.9 335.0 333.5 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) (25310C) (To) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 2.92 2.87 2.79 2.75 2.83 LLOWED PI 3) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-	6.33 6.33 6.33 6.33 6.33 6.33 6.30 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic stal Kiedahl Note Cyanide) (Cyanide) (A) (Cd) (Co)	ORP (mV) 13.6 13.5 13.6 13.6 13.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity ditrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nan	ne <u>:</u>	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020)		Date/Time:	8/11/2020@	1346		
Sample Nur	nber:	RGW031S-	200811		Weather:	SUNNY			
Landau Rep	resentative:								
WATER LE	VEL/WELL/PU	IRGE DATA							
Well Conditi		Secure (YES)		Damaged (N	(0)	Describe:			
DTW Before		4.76	Time:	- '	Flow through ce			GW Meter No.(s	s 1
	Date/Time:		1319	End Purge:	_	8/11/2020 @	12/11	Gallons Purged:	0.25
				Ĕ			_	-	
Purge water	nsposed to:		55-gal Drum	₩	Storage Tank	Ground	Otner	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the foll	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1322	19.4	432.3	0.43	6.17	-1.7		4.76		
1325	20.4	444.8	0.43	6.17	-5.6		4.76		
1328	21.1	458.7	0.46	6.20	-10.6		4.76		
1331	21.6	467.5	0.44	6.21	-14.0				
1334	21.9	474.9	0.51	6.22	-15.4				
-									
1337	22.3	483.0	0.51	6.23	-17.6				
1339	22.5	487.0	0.55	6.24	-19.0				
SAMPLE CO	LLECTION I								
Sample Colle	ected With:		Bailer	_	_ ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	DED. BLADDER		_	
Made of:		Stainless Stee	ıl 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	h 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
Sample Desc	ription (color,	urbidity, odor,	sheen, etc.):	SLIGHT TA	N, LOW TURB,	NO/NS, PARTICUI	LATES.		
- B II :	T		D.O.		ODD	T. 1111	DEW		
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
1	` ,	,		6.24		(1,10)	(20)	(1 0 11)	obser vacions
1	22.6	487.3	0.54	6.24	-19.2				
2	22.6	487.8	0.55	6.24	-19.3				
3	22.5	488.6	0.55	6.24	-19.5				
4	22.6	489.0	0.55	6.24	-19.6				
Average:	22.6	488.2	0.55	6.24	-19.4	#DIV/0!			
QUANTITY	TVDICALA	NAI VCIC AT	I OWED DE	D ROTTI E	TVPF (Cirolo a-	oplicable or write n	on_standard a	nalveie halow)	_
5	1	(8020) (N			` `	opiicable or write ii	ion-stanuaru a	WA	OR 🗌
3	` / `	, , , ,	, ,		, , ,	(8141) (Oil & Grea	ise)	WA 🗆	OR 🗆
	1					(HCO3/CO3) (C			on =
			, (, (, ,	, (, (-, (, (,	
1	u / \	(Total PO4) (Total Kie	dahl Nitroger		1102)			
1	(COD) (TOO	• • • • • • • • • • • • • • • • • • • •			1) (1112) (1132)	1102)			
1	(COD) (TOO	(Total PO4 e) (WAD Cys	anide) (Free	Cyanide)		(Pb) (Mg) (Mn) (N	Ni) (Ag) (Se) (Tl) (V) (Zn) (H	g) (K) (Na)
1	(COD) (TOO (Total Cyanid (Total Metals	(C) (Total PO4 e) (WAD Cya) (As) (Sb) (I	anide) (Free Ba) (Be) (Ca	Cyanide)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
1	(COD) (TOO (Total Cyanid (Total Metals	C) (Total PO4 e) (WAD Cys) (As) (Sb) (I etals) (As) (Sb	anide) (Free Ba) (Be) (Ca	Cyanide)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
1	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	C) (Total PO4 e) (WAD Cys) (As) (Sb) (I etals) (As) (Sb	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (C	Cyanide)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
1	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	e) (Total PO4 e) (WAD Cys) (As) (Sb) (I etals) (As) (Sb g short list)	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (C	Cyanide)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
1	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	e) (Total PO4 e) (WAD Cys) (As) (Sb) (I etals) (As) (Sb g short list)	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (C	Cyanide)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
1	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	e) (Total PO4 e) (WAD Cys) (As) (Sb) (I etals) (As) (Sb g short list)	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (C	Cyanide)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	e) (Total PO4 e) (WAD Cy. e) (As) (Sb) (I etals) (As) (Sb g short list) ane Ethene Ac	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Get) etylene	Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
Duplicate Sa:	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	e) (Total PO4 e) (WAD Cys) (As) (Sb) (I etals) (As) (Sb g short list)	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Get) etylene	Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			
	(COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	e) (Total PO4 e) (WAD Cy. e) (As) (Sb) (I etals) (As) (Sb g short list) ane Ethene Ac	anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Get) etylene	Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N			g) (K) (Na) Na) (Hardness) (Silic



Project Nam	ne:	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	199	
Event:		August 2020)		Date/Time:	8/11/2020@	800		
Sample Nur	nber:	RGWDUP2	200811		Weather:	SUNNY			
Landau Rep	resentative:								
WATEDIE	VEL/WELL/PU	IDGE DATA							
Well Condition		Secure (YES)	\	Damaged (N	(0)	Describe:			
		Secure (1ES)		Damaged (N					
DTW Before			Time:		Flow through ce			GW Meter No.(s 1
		8/11/2020 @		End Purge:		8/11/2020 @		Gallons Purged:	
Purge water of	disposed to:		55-gal Drum	Ш	Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	•	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	_					dings within the fol	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
		DUI	PLICA	ATE I	TO RGV	W031S			
						,			
						-			
SAMPLE CO	DLLECTION E	DATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other	-	1					
Sample Desc		₩.	sheen etc):	SI IGHT TA	N I OW TURB	NO/NS PARTICIT	LATES		
Sample Desc		₩.	, sheen, etc.):	SLIGHT TA	N, LOW TURB,	NO/NS, PARTICU	LATES.		
	ription (color, t	₩.			N, LOW TURB,			Ferrous iron	Comments/
Sample Desc Replicate		turbidity, odor,	D.O. (mg/L)	SLIGHT TA		NO/NS, PARTICUL Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Replicate 1	Temp (°F/°C)	Cond. (uS/cm) 489.4	D.O. (mg/L)	рН 6.24	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C) 22.6	Cond. (uS/cm) 489.4	D.O. (mg/L)	рН 6.24 6.24	ORP (mV) -19.7	Turbidity	DTW		
Replicate 1	Temp (°F/°C)	Cond. (uS/cm) 489.4	D.O. (mg/L)	рН 6.24	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 22.6	Cond. (uS/cm) 489.4	D.O. (mg/L) 0.55	рН 6.24 6.24	ORP (mV) -19.7	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 22.6 22.6 22.7	Cond. (uS/cm) 489.4 489.7 490.3	D.O. (mg/L) 0.55 0.55 0.57	pH 6.24 6.24 6.24 6.24	ORP (mV) -19.7 -19.8 -19.9 -20.1	Turbidity (NTU)	DTW		
Replicate 1 2 3	Temp (°F/°C) 22.6 22.6	Cond. (uS/cm) 489.4 489.7 490.3	D.O. (mg/L) 0.55 0.55	pH 6.24 6.24 6.24	ORP (mV) -19.7 -19.8 -19.9	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6	Cond. (uS/cm) 489.4 489.7 490.3 490.6	D.O. (mg/L) 0.55 0.55 0.57 0.56	pH 6.24 6.24 6.24 6.24 6.24	ORP (mV) -19.7 -19.8 -19.9 -20.1	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.6 22.7 22.6	Cond. (uS/cm) 489.4 489.7 490.3 490.6	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56	6.24 6.24 6.24 6.24 6.24 6.24	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.6 22.7 22.6 22.7 (8260) (8010	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE	6.24 6.24 6.24 6.24 6.24 CR BOTTLE	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (8260) (8010) (8270) (PAH)	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH	6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write 1	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (8260) (8010) (8270) (PAH) (pH) (Condu	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL 0) (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx I-Dx) (TPH-OD) (Turbi	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Circle)	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (8260) (8010) (8270) (PAH) (pH) (Conduction) (COD) (TOO)	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL 0) (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PEWTPH-G) (D) (NWTPH-G) (B) (TSS) (B) (Total Kie	6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-1-DX) (Turbidahl Nitroger	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (Oil & Control of the control of	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010 (8270) (PAH (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL 0) (8020) (N I) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cy	D.O. (mg/L) 0.55 0.57 0.56 0.56 LOWED PF WTPH-G) (D) (NWTPH S) (TSS) (B L) (Total Kie anide) (Free	6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (Oil & Control of the control of	DTW (ft) non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8070) (PAH) (Conduction (COD) (Tool (Total Metals))	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (I)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8070) (PAH) (Conduction (COD) (Tool (Total Metals))	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N () (NWTPH-Inctivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (Inctals) (As) (Sb) (Sb)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8270) (PAH) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 () (AS) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B G) (Total Kie anide) (Free Ba) (Be) (Ca d) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8270) (PAH) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N () (NWTPH-Inctivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (Inctals) (As) (Sb) (Sb)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B G) (Total Kie anide) (Free Ba) (Be) (Ca d) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8270) (PAH) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B G) (Total Kie anide) (Free Ba) (Be) (Ca d) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8270) (PAH) (PH) (Condult (COD) (Total Cyanidal (Total Metals)) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B G) (Total Kie anide) (Free Ba) (Be) (Ca d) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (826) (8010) (8270) (PAH) (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B G) (Total Kie anide) (Free Ba) (Be) (Ca d) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (8270) (8010) (8270) (PAH) (COD) (TOC) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (8270) (8010) (8270) (PAH) (COD) (TOC) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL (in the state of the	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.6 22.6 22.6 22.7 22.6 (8270) (8010) (8270) (PAH) (COD) (TOC) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 489.4 489.7 490.3 490.6 490.0 NALYSIS AL (in the state of the	D.O. (mg/L) 0.55 0.55 0.57 0.56 0.56 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -19.7 -19.8 -19.9 -20.1 -19.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 202	0		Date/Time:	8/11/2020@	1146		
Sample Num	nber:	RGW033S-	200811		Weather:	SUNNY			
Landau Repr	resentative:				•				
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.88	Time:	_	Flow through ce	ll vol.	_	GW Meter No.(s	: 1
Begin Purge:	0 0 . /			End Purge:	-	8/11/2020 @	1141	Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground		SITE TREATM	ENT SYSTEM
-	Т	C 1	D.O.	11	ODD	T1:4:4-	DTW	I	Commental.
Time	Temp (°F/°C)	Cond. (uS/cm)	mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					dings within the fol	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1124	19.5	383.4	0.41	6.08	-10.7		4.88		
1127	20.6	393.3	0.40	6.12	-18.0		4.88		
1130	21.5	401.7	0.42	6.15	-23.9		4.88		
1133	22.1	407.9	0.45	6.17	-27.7				
1136	22.5	411.4	0.50	6.18	-30.3				
	-							-	
1139	22.9	414.7	0.55	6.18	-31.9				
1141	23.0	416.9	0.55	6.19	-32.7				
SAMPLE CO			D. I		D /D T	DED DI ADDED			
Sample Collec	cted With:		Bailer	_		DED. BLADDER			
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica									
c 1 D		Other	1 ()	NO COL OR	LOWTUDD	O A I C			
Sample Descr		—	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descr Replicate		—	D.O. (mg/L)	NO COLOR	, LOW TURB, N ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	turbidity, odor	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 417.2	D.O. (mg/L)	pH 6.19	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.2 23.2	Cond. (uS/cm) 417.2	D.O. (mg/L) 0.58	pH 6.19 6.19	ORP (mV) -32.8	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.2 23.2 23.2	Cond. (uS/cm) 417.2 417.4 417.5	D.O. (mg/L) 0.58 0.58	pH 6.19 6.19 6.19	ORP (mV) -32.8 -32.8	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 23.2 23.2 23.2 23.1	Cond. (uS/cm) 417.2 417.4 417.5	D.O. (mg/L) 0.58 0.58 0.59	pH 6.19 6.19 6.19 6.19	ORP (mV) -32.8 -32.8 -33.1	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 23.2 23.2 23.2	Cond. (uS/cm) 417.2 417.4 417.5	D.O. (mg/L) 0.58 0.58	pH 6.19 6.19 6.19	ORP (mV) -32.8 -32.8	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.2 23.2 23.2 23.1 23.2 TYPICAL A	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5	D.O. (mg/L) 0.58 0.58 0.59 0.59	6.19 6.19 6.19 6.19 6.19 6.19	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.2 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI	D.O. (mg/L) 0.58 0.58 0.59 0.59 0.59 LOWED PE	6.19 6.19 6.19 6.19 6.19 6.19 KER BOTTLE (NWTPH-GX	ORP (mV) -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.58 0.58 0.59 0.59 0.59 LOWED PERMITPH-G) (6.19 6.19 6.19 6.19 6.19 6.19 KER BOTTLE (NWTPH-GX) (TPH-	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI 0) (8020) (NI) (NWTPH- lectivity) (TD:	D.O. (mg/L) 0.58 0.58 0.59 0.59 0.59 LLOWED PERMYPH-G) (MONTPH-G) (MONT	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbic	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (O	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.2 23.2 23.1 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction) (TOO	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (N I) (NWTPH- detivity) (TD:	D.O. (mg/L) 0.58 0.59 0.59 0.59 LOWED PERMITPH-G) (D) (NWTPH S) (TSS) (B	6.19 6.19 6.19 6.19 6.19 6.19 CR BOTTLE (NWTPH-Gx) I-Dx) (TPH- BOD) (Turbiodahl Nitroger	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (O	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI 0) (8020) (N I) (NWTPHactivity) (TD: C) (Total PO- de) (WAD Cy	D.O. (mg/L) 0.58 0.59 0.59 0.59 LOWED PERMITPH-G) (D) (NWTPH-GS) (TSS) (Bs. (Total Kieranide) (Free and the companion of the companion o	6.19 6.19 6.19 6.19 6.19 6.19 CR BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbicolahl Nitroger	ORP (mV) -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (NI) (NWTPH- lectivity) (TDS (C) (Total PO4- le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.58 0.59 0.59 0.59 LLOWED PE WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI () (8020) (N I) (NWTPH- (ctivity) (TD(C)) (Total PO- (ctivity) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.58 0.59 0.59 0.59 LLOWED PE WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI () (8020) (N I) (NWTPH- (ctivity) (TD(C)) (Total PO- (ctivity) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.58 0.59 0.59 0.59 CLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the properties of the p	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.58 0.59 0.59 0.59 CLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the properties of the p	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.58 0.59 0.59 0.59 CLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the properties of the p	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.58 0.59 0.59 0.59 CLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the properties of the p	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.58 0.59 0.59 0.59 CLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the properties of the p	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.2 23.2 23.1 23.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 417.2 417.4 417.5 417.8 417.5 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.58 0.59 0.59 0.59 CLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the properties of the p	6.19 6.19 6.19 6.19 6.19 6.19 6.19 CER BOTTLE (NWTPH-GX) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -32.8 -32.8 -32.8 -33.1 -32.9 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 202	0	_	Date/Time:	8/11/2020@	1116		
Sample Nun	nber:	RGW034S-	200811		Weather:	SUNNY			
Landau Rep	resentative:				•				
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.98	Time:		Flow through ce	ll vol.	•	GW Meter No.(s	s 1
	Date/Time:			End Purge:	e	8/11/2020 @	1108	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	_	SITE TREATM	ENT SYSTEM
	T	C 1	-		ODD	T1:1:4:	DTW	T., 4	Garage and tal
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fol	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1051	20.5	313.9	0.35	6.37	-31.3		4.98		
1054	21.0	313.0	0.37	6.35	-36.1		4.98		
1057	21.4	314.0	0.43	6.35	-39.4		4.98		
1100	21.8	315.1	0.43	6.36	-41.2				
1103		316.6	0.49	6.36	-42.9		-		
1106			0.46		-43.0		-	· 	
-		316.8		6.35			-		
1108	22.5	317.0	0.47	6.35	-43.1				
CAN TRUE CO	VI ECTION E								
Sample Colle	OLLECTION I		Bailer		Dump/Dump Trin	DED. BLADDER			
Made of:	cted with.	Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
	. —				₩		<u> </u> Ошег	Dedicated	
Decon Proced (By Numerical	_	Alconox Wa	sn 📋	Tap Rinse	DI Water	Dedicated			
(Dy Numerica									
Sample Deco		-	chaan ata):	NO COL OP	I OW TUDD N	O/NS			
Sample Descr		-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri Replicate	ription (color,	turbidity, odor	D.O.	NO COLOR	ORP	Turbidity	DTW (ft)	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm) 317.0	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 317.0	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 22.5 22.5	Cond. (uS/cm) 317.0	D.O. (mg/L) 0.47	pH 6.35 6.35	ORP (mV) -43.2 -43.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 22.5 22.5	Cond. (uS/cm) 317.0 317.1	D.O. (mg/L) 0.47 0.46	pH 6.35 6.35 6.35	ORP (mV) -43.2 -43.3	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 22.5 22.5 22.6 22.6	Cond. (uS/cm) 317.0 317.0 317.1 317.0 317.0	D.O. (mg/L) 0.47 0.46 0.49 0.47	6.35 6.35 6.35 6.35 6.35	ORP (mV) -43.2 -43.3 -43.4 -43.4	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A	Cond. (uS/cm) 317.0 317.0 317.1 317.0 317.0	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47	6.35 6.35 6.35 6.35 6.35	ORP (mV) -43.2 -43.3 -43.4 -43.3 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 317.0 317.1 317.0 317.0 317.0 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 LLOWED PI	6.35 6.35 6.35 6.35 6.35 CER BOTTLE	ORP (mV) -43.2 -43.3 -43.4 -43.3 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.5 22.5 22.6 22.5 22.6 22.5 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 317.0 317.1 317.0 317.0 317.0 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 LLOWED PI	6.35 6.35 6.35 6.35 6.35 6.35 6.37 ER BOTTLE (NWTPH-GX	ORP (mV) -43.2 -43.3 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.5 22.5 22.6 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (PH) (Condu (COD) (TOO))	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (NI (NWTPH- (netrivity) (TD: (C) (Total PO-	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 ULLOWED PI UNTPH-G) (D) (NWTPH-S) (TSS) (E	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -43.2 -43.3 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (O	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.5 22.6 22.5 22.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 317.0 317.1 317.0 317.0 317.0 NALYSIS AI 0) (8020) (N I) (NWTPHactivity) (TD: C) (Total PO- le) (WAD Cy	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 CLOWED PI WTPH-G) (NWTPH-S) (TSS) (Fed) (Total Kiewanide) (Free vanide) (Free vanide	pH 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-BOD) (Turbic bdahl Nitroger	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity and (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 317.0 317.1 317.0 317.0 NALYSIS AI (D) (8020) (NI) (NWTPH- (activity) (TD: (C) (Total PO- (de) (WAD Cy (de) (As) (Sb) (D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 CLLOWED PI (WTPH-G) (MWTPH-S) (TSS) (FSS) (Feb. 4) (Total Kieler (Freed Ba) (Be) (Caller (Ca	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 317.0 317.0 317.1 317.0 317.0 NALYSIS AI (b) (8020) (N H) (NWTPH- lectivity) (TD(C) (Total PO- le) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 CLLOWED PI (WTPH-G) (MWTPH-S) (TSS) (FSS) (Feb. 4) (Total Kieler (Freed Ba) (Be) (Caller (Ca	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (N (c) (NWTPH-activity) (TD: (c) (Total PO-de) (WAD Cy (d) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.0 317.0 317.1 317.0 317.0 NALYSIS AI (b) (8020) (N H) (NWTPH- lectivity) (TD(C) (Total PO- le) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (N (c) (NWTPH-activity) (TD: (c) (Total PO-de) (WAD Cy (d) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (N (c) (NWTPH-activity) (TD: (c) (Total PO-de) (WAD Cy (d) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (N (c) (NWTPH-activity) (TD: (c) (Total PO-de) (WAD Cy (d) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (N (c) (NWTPH-activity) (TD: (c) (Total PO-de) (WAD Cy (d) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 22.5 22.5 22.6 22.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 317.0 317.0 317.0 317.0 317.0 NALYSIS AI (b) (8020) (N (c) (NWTPH-activity) (TD: (c) (Total PO-de) (WAD Cy (d) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.47 0.46 0.49 0.47 0.47 0.47 LLOWED PI WTPH-G) (MWTPH-G)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -43.2 -43.3 -43.4 -43.4 -43.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO WA OOO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/11/2020@	936		
Sample Nun	nber:	RGW143S-	200811		Weather:	CLOUDY			
Landau Rep	resentative:				•				
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.21	Time:		Flow through ce	ll vol.	_	GW Meter No.(s	s 1
	Date/Time:			End Purge:	-	8/11/2020 @	930	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	T	C1	D.O.	_	ODD	T1:1:4:	DTW	I	Gtul
Time	Temp (°F/°C)	Cond. (uS/cm)	(mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	~					lings within the fol	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
912	19.2	307.1	1.39	6.08	-20.3		5.23		
915	19.0	305.1	1.38	6.07	-20.7		5.23		
918	19.0	309.4	1.51	6.06	-21.3		5.23		
921	19.0	313.8	1.50	6.07	-21.5				
924	19.1	319.7	1.40	6.08	-22.9				
927	19.2	321.7	1.53	6.09	-23.8				
929	19.4	323.4	1.52	6.10	-23.6				
CAMPLE CC	DLLECTION I								
Sample Colle			Bailer		Pump/Pump Type	DED. BLADDER			
Made of:	cica wini.	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proces	lure:	Alconox Was		Tap Rinse	DI Water	Dedicated	<u> </u>	D vareaucu	
(By Numerica	_	Other	·· •	rap Kilise	□ Di Water	Dedicated			
Sample Descr		-	sheen, etc.):	NO COLOR	. LOW TURB. N	O/NS.			
Sample Descri		-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri		-	D.O. (mg/L)	NO COLOR	ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	ription (color,	turbidity, odor	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 323.6	D.O. (mg/L)	рН 6.11	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.4	Cond. (uS/cm) 323.6	D.O. (mg/L) 1.46	pH 6.11 6.11	ORP (mV) -23.6	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 19.4 19.5 19.4	Cond. (uS/cm) 323.6 323.6 323.6	D.O. (mg/L) 1.46 1.46 1.50	6.11 6.11 6.11 6.11	ORP (mV) -23.6 -23.6 -23.5 -23.6	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.5 19.4 19.4	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7	D.O. (mg/L) 1.46 1.50 1.51	6.11 6.11 6.11 6.11 6.11	ORP (mV) -23.6 -23.6 -23.5 -23.6	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI	D.O. (mg/L) 1.46 1.50 1.51 1.48	6.11 6.11 6.11 6.11 6.11	ORP (mV) -23.6 -23.6 -23.5 -23.6 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 1.46 1.50 1.51 1.48 LOWED PI	6.11 6.11 6.11 6.11 6.11 6.11 CER BOTTLE	ORP (mV) -23.6 -23.5 -23.6 -23.6 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 19.4 19.4 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 1.46 1.50 1.51 1.48 LOWED PRIWTPH-G) (D) (NWTPH	6.11 6.11 6.11 6.11 6.11 6.11 6.11 CER BOTTLE (NWTPH-GX)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PH WYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (TSS) (E	6.11 6.11 6.11 6.11 6.11 6.11 6.11 6.11	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (Oil & Control of the control of t	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAH (PH) (Conduction) (TOO	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI IWTPH-G) (D) (NWTPH-S) (TSS) (E	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (Oil & Control of the control of t	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI (a) (8020) (N (b) (NWTPH- (activity) (TDS) (c) (Total PO- (de) (WAD Cy	D.O. (mg/L) 1.46 1.46 1.50 1.51 1.48 LLOWED PR WTPH-G) (D) (NWTPH-S) (TSS) (E4) (Total Kie vanide) (Free	pH 6.11 6.11 6.11 6.11 6.11 6.11 CR BOTTLE (NWTPH-Gx H-Dx) (TPH- BOD) (Turbic bdahl Nitroger C Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (Oil & Control of the control of t	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON WA ON WA ON WA ON WA ON WA ON WA WA WA WA WA WA WA WA WA W	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI O) (8020) (NI H) (NWTPH- detivity) (TDS C) (Total PO- de) (WAD Cy) (As) (Sb) (D.O. (mg/L) 1.46 1.46 1.50 1.51 1.48 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI (b) (8020) (N (c) (Total PO-2) (de) (WAD Cy (de) (As) (Sb) (cetals) (As) (Sb) (St)	D.O. (mg/L) 1.46 1.46 1.50 1.51 1.48 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 19.4 19.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 323.6 323.6 323.6 323.7 NALYSIS AI (b) (8020) (N (c) (Total PO-2) (de) (WAD Cy (de) (As) (Sb) (cetals) (As) (Sb) (St)	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 19.4 19.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI (D) (8020) (N (D) (NWTPH- activity) (TDS (C) (Total PO- activity) (Total PO- activity) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI (D) (8020) (N (D) (NWTPH- activity) (TDS (C) (Total PO- activity) (Total PO- activity) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 19.4 19.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI (D) (8020) (N (D) (NWTPH- activity) (TDS (C) (Total PO- activity) (Total PO- activity) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI (D) (8020) (N (D) (NWTPH- activity) (TDS (C) (Total PO- activity) (Total PO- activity) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.4 19.5 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 323.6 323.6 323.6 323.8 323.7 NALYSIS AI (D) (8020) (N (D) (NWTPH- activity) (TDS (C) (Total PO- activity) (Total PO- activity) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.46 1.50 1.51 1.48 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.11 6.11 6.11 6.11 6.11 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx Gdahl Nitroger Cyanide) (Cyanide)	ORP (mV) -23.6 -23.6 -23.6 -23.6 -23.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020)		Date/Time:	8/11/2020@	1031		
Sample Nun	nber:	RGW237S-	200811		Weather:	SUNNY			
Landau Rep	resentative:								
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)		Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.27	Time:	1000	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/11/2020 @	1003	End Purge:	Date/Time:	8/11/2020 @	1024	Gallons Purged:	0.25
Purge water of	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	, ,	. ,		ters for three	· /	lings within the fol		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1006	19.8	302.7	1.88	6.17	-3.5		4.27		
1009	19.5	368.9	1.57	6.18	-7.9		4.27		
1012	19.5	388.3	1.38	6.25	-15.8		4.27		
1015	19.6	395.8	1.14	6.28	-19.5				
1018		396.1	1.00	6.29	-20.0				
			-		-				
1021	19.8	394.7	0.98	6.30	-21.0				
1023	19.9	394.4	0.92	6.30	-22.4				
Sample Colle	OLLECTION I		Bailer		Dump/Dump Trins	DED. BLADDER			
Made of:	cted with.	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
	t				₩	Dedicated	□ Other	Dedicated	
Decon Proced (By Numerical		Alconox Was	n U	Tap Rinse	DI Water	Dedicated			
		₩.	sheen etc.):	LIGHT TAN	I I OW TURR N	O/NS			
		₩.	sheen, etc.):	LIGHT TAN	I, LOW TURB, N	O/NS.			
		₩.	D.O. (mg/L)	LIGHT TAN	ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity			
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 394.4	D.O. (mg/L)	рН 6.30	ORP (mV) -22.7 -22.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.9 19.9	Cond. (uS/cm) 394.4 394.4 394.3	D.O. (mg/L) 0.89 0.88	pH 6.30 6.30 6.30	ORP (mV) -22.7 -22.9 -23.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 19.9 19.9 20.0	Cond. (uS/cm) 394.4 394.3	D.O. (mg/L) 0.89 0.88 0.86	6.30 6.30 6.30 6.30	ORP (mV) -22.7 -22.9 -23.0 -23.3	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0	Cond. (uS/cm) 394.4 394.3 394.3	D.O. (mg/L) 0.89 0.88 0.86 0.88	6.30 6.30 6.30 6.30 6.30	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9	Cond. (uS/cm) 394.4 394.3 394.3 394.3	D.O. (mg/L) 0.89 0.88 0.86 0.88	6.30 6.30 6.30 6.30 6.30 6.30	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PP	6.30 6.30 6.30 6.30 6.30 6.30 6.30 (NWTPH-GX	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 394.4 394.3 394.3 394.4 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PR WTPH-G) (O) (NWTPH	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-GX)	ORP (mV) -22.7 -22.9 -23.0 -23.0 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.3 NALYSIS AL (b) (8020) (N (l) (NWTPH-I	D.O. (mg/L) 0.89 0.88 0.88 0.88 LOWED PF WTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-GX) H-Dx) (TPH-GX) (TPH-GX) (TPH-GX) (TPH-GX) (TPH-GX)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Green (1403/CO3) (Oil & CO3/CO3) (Control (1405) ((ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 394.4 394.4 394.3 394.3 394.4 NALYSIS AL (D) (8020) (N II) (NWTPH-I (Intervity) (TDS) (C) (Total PO4	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (C) (TSS) (E) (Total Kie	6.30 6.30 6.30 6.30 6.30 6.30 6.30 (NWTPH-Gx H-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -22.7 -22.9 -23.0 -23.0 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Green (1403/CO3) (Oil & CO3/CO3) (Control (1405) ((ft)	nalysis below) WA WA WA	Observations OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 394.4 394.3 394.3 394.4 NALYSIS AL O) (8020) (N I) (NWTPH-I uctivity) (TDS	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (O) (NWTPH-G) (TSS) (E) (TSS) (E) (Total Kielanide) (Free	6.30 6.30 6.30 6.30 6.30 6.30 CER BOTTLE (NWTPH-Gx, H-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (M) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA WA O WA WA	Observations OR □ OR □
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 394.4 394.3 394.3 394.4 NALYSIS AL O) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 le) (WAD Cyal) (As) (Sb) (I	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PP WTPH-G) (D) (NWTPH-G) (TSS) (E) (TSS) (E) (Total Kiesanide) (Free Ba) (Be) (Ca	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (NWTPH-Inctivity) (TDS (C) (Total PO4 (de) (WAD Cy.) () (As) (Sb) (Inctals) (As) (Sb) (Sb)	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PP WTPH-G) (D) (NWTPH-G) (TSS) (E) (TSS) (E) (Total Kiesanide) (Free Ba) (Be) (Ca	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (NWTPH-Inctivity) (TDS (C) (Total PO4 (de) (WAD Cy.) () (As) (Sb) (Inctals) (As) (Sb) (Sb)	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.3 (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (US/cm) (US/c	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.3 (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (US/cm) (US/c	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.3 (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (US/cm) (US/c	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.3 (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (US/cm) (US/c	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 394.4 394.3 394.3 394.3 394.3 (uS/cm) 394.4 394.3 394.3 394.3 394.4 NALYSIS AL (US/cm) (US/c	D.O. (mg/L) 0.89 0.88 0.86 0.88 0.88 LOWED PI WTPH-G) (D) (NWTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 6.30 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -22.7 -22.9 -23.0 -23.3 -23.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Event Suggest 2009 Surviva	Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
MATER Collection Data Da	Event:		August 2020)		Date/Time:	8/11/2020@	901		
Water Nevel Descriptor Water No. Darwaged NO Describs No. Descriptor Descriptor No. Descriptor Descripto	Sample Nun	nber:	RGW240D-	200811		Weather:	CLOUDY			
DTIV Before Preging (#) 5.50	Landau Rep	resentative:								
DTW Before Purging (ft)	WATER LEV	VEL/WELL/PU	JRGE DATA							
Regin Purger Date Time Regin Purger Date Time Regin Purger Date Time Regin Purger Date Time Regin Segue	Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
Regin Purge: Date Time:	DTW Before	Purging (ft)	5.50	Time:	828	Flow through ce	ll vol.		GW Meter No.(s	s 1
Purg water disposed to:				833		_		853	=	
Time (PEC) (oS/cm) (oS/cm) (oS/cm) (oRf)	Purge water d	lisposed to:		55-gal Drum				Other	SITE TREATM	ENT SYSTEM
Comments		, and	G 1	D.O.		ODD	—	_		
## 100 Process Stabilisation of Parameters for three consecutive readings within the following limits +/-10w +/-3/5 +/-2/5 +/	Time				рн		•		_	
SAS 18.8 364.5 0.69 6.37 41.5 5.51		Purge Goal	ls: Stablization	n of Paramet		consecutive read	lings within the fol	lowing limits	>/= 1 flow	
S39		+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
SAMPLE COLLECTION DATA Sample Collected With: Bailer Pump/Pump Type DED. BLADDER Stainless Steel PVC Teflon Polyethylene Other Dedicated Decom Procedure: Alconox Wash Tap Rinse DI Water Dedicated Dedicated Other Other Dedicated Other Ot	836	18.8	364.5	0.69	6.37	-41.5		5.51		
SAMPLE COLLECTION DATA Sample Collected With: Bailer PVC Teflon Polyethylene Other Dedicated	839	18.4	359.9	0.71	6.25	-41.2		5.43		
SAMPLE COLLECTION DATA	842	18.2	358.0	0.89	6.14	-36.1		5.38		
SAMPLE COLLECTION DATA	845	18.1	360.0	0.94	6.04	-29.6		5.34		
Sample Collected With: Bailer Pump/Pump Type DED. BLADDER Dedicated With: Bailer Pump/Pump Type DED. BLADDER Dedicated Other Other Dedicated Other Dedicated Other Dedicated Other Dedicated Other Dedicated Other Dedicated Other Other Dedicated D										
SAMPLE COLLECTION DATA				-						
SAMPLE COLLECTION DATA Sample Collected With: Bailer Pump/Pump Type DED. BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated				-				5.30		
Sample Collected With:	853	18.2	361.9	1.16	5.97	-24.7				
Sample Collected With:										
Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decom Procedure: Alconox Wash Tap Rinse DI Water Dedicated Comd. Other Sample Description (color, turbidity, odor, sheen, etc.): GREYISH, LOW-MED TURB, No/NS. Replicate Temp Cond. D.O. pH ORP Turbidity DTW Ferrous iron Comments/Observations 1 18.2 361.9 1.15 5.98 -24.8 -24.9 3 18.3 361.4 1.14 5.98 -25.0 #DIDIVIO! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 5 82609 (8010) (8020) (NWTPH-G) (NWTPH-G) (BTEX) WA □ OR □ (8270) (PAH) (NWTPH-D) (NWTPH-D) (Typt-H-DX) (TPH-HCID) (8081) (8141) (Oil & Grease) WA □ OR □ (8270) (PAH) (NWTPH-G) (Total Kiedahi Nitrogen) (NH3) (NO3/NO				D. II						
Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated	•	cted With:	_		_		_	——————————————————————————————————————	— • · · ·	
Characteristics Cond. Co						₩		U Other	Dedicated	
Sample Description (color, turbidity, odor, sheen, etc.): GREYISH, LOW-MED TURB, NO/NS. Replicate Temp (°F/°C) Cond. (uS/cm) D.O. pH (mg/L) ORP (mV) Turbidity (NTU) DTW (ft) Ferrous iron (Fe II) Comments/Observations 1 1.8.2 361.9 1.15 5.98 -24.8 -24.9 -25.0 -24.9 -25.0 -25.				sh 🔲	Tap Rinse	DI Water	Dedicated			
Replicate Temp Cond. D.O. pH ORP Turbidity DTW Ferrous iron Comments	(Rv) Numerica	ıl (Irdor)								
CF/°C (uS/cm) (mg/L) (mV) (NTU) (ft) (Fe II) Observations			₩.		CDELHOU		2 210 210			
1 18.2 361.9 1.15 5.98 -24.8			₩.	, sheen, etc.):	GREYISH, I	LOW-MED TUR	B, NO/NS.			
2 18.2 361.3 1.14 5.98 -24.9 3 18.3 361.4 1.14 5.98 -25.0 4 18.3 361.3 1.15 5.99 -25.2 Average: 18.3 361.5 1.15 5.98 -25.0 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 5 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR OR (8270) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR	Sample Descr	ription (color,	turbidity, odor,	· · · · · · · ·				DTW	Ferrous iron	Comments/
3	Sample Descr	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity			
Average: 18.3 361.5 1.15 5.99 -25.2 QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Average: 18.3 361.5 1.15 5.99 -25.2 QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 361.9	D.O. (mg/L)	рН 5.98	ORP (mV)	Turbidity			
Average: 18.3 361.5 1.15 5.98 -25.0 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 5 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR	Replicate 1 2	Temp (°F/°C) 18.2	Cond. (uS/cm) 361.9	D.O. (mg/L) 1.15	pH 5.98 5.98	ORP (mV) -24.8	Turbidity			
QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 5 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR (8270) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR (9H) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s):	Replicate 1 2 3	Temp (°F/°C) 18.2 18.3	Cond. (uS/cm) 361.9 361.3	D.O. (mg/L) 1.15 1.14 1.14	pH 5.98 5.98 5.98	ORP (mV) -24.8 -24.9	Turbidity			
5 (8260) (8010) (8020) (NWTPH-G) (NWTPH-GX) (BTEX) WA □ OR □ (8270) (PAH) (NWTPH-DX) (TPH-HCID) (8081) (8141) (Oil & Grease) WA □ OR □ (PH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (CI) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silic VOC (Boeing short list) (Boeing short l	Replicate 1 2 3 4	Temp (°F/°C) 18.2 18.3 18.3	Cond. (uS/cm) 361.9 361.3 361.4 361.3	D.O. (mg/L) 1.15 1.14 1.15	pH 5.98 5.98 5.98 5.99	ORP (mV) -24.8 -24.9 -25.0	Turbidity (NTU)			
(8270) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR (PH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silical VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s):	Replicate 1 2 3 4	Temp (°F/°C) 18.2 18.3 18.3	Cond. (uS/cm) 361.9 361.3 361.4 361.3	D.O. (mg/L) 1.15 1.14 1.15	pH 5.98 5.98 5.98 5.99	ORP (mV) -24.8 -24.9 -25.0	Turbidity (NTU)			
(pH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):	Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.3 18.3	Cond. (uS/cm) 361.9 361.3 361.4 361.3	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15	pH 5.98 5.98 5.98 5.99 5.99	ORP (mV) -24.8 -24.9 -25.0 -25.2	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
1 (COD) (TOC) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):	Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15	5.98 5.98 5.98 5.99 5.99 5.98 ER BOTTLE NWTPH-GX	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
(Total Cyanide) (WAD Cyanide) (Free Cyanide) (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):	Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.3 18.3 18.3 18.3 18.3 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 LOWED PP WTPH-G) (O) (NWTPH	5.98 5.98 5.99 5.98 5.98 KER BOTTLE (NWTPH-GX) 1-DX) (TPH-	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations OR
(Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL 0) (8020) (N I) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 1.15 1.14 1.15	5.98 5.98 5.99 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write r (8141) (Oil & Grea	(ft)	nalysis below) WA WA WA	Observations OR
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hardness) (Silice VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (PH) (Conduction))	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (D) (8020) (N (I) (NWTPH-I (I) (TDS) (C) (Total PO4	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 LOWED PI WTPH-G) (D) (NWTPH-G) (C) (TSS) (E) (Total Kie	5.98 5.98 5.99 5.99 5.98 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write r (8141) (Oil & Grea	(ft)	nalysis below) WA WA WA	Observations OR
VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (D) (8020) (N (I) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 LOWED PF WTPH-G) (D) (NWTPF G) (TSS) (E C) (Total Kie anide) (Free	5.98 5.98 5.99 5.99 5.98 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbicdall Nitroger	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (M) (NO3)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (CV)	non-standard a	nalysis below) WA WA WA O WA WA O WA WA O WA	Observations OR □ OR □
others Duplicate Sample No(s):	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 18.3 18.3 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (I	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 LOWED PF WTPH-G) (NWTPH-G) (TSS) (ES) (TSS) (ES) (Total Kiesanide) (Free Ba) (Be) (Casanide) (Casani	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Duplicate Sample No(s):	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 le) (WAD Cy de) (As) (Sb) (I ctals) (As) (Sb) (Sb)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 LOWED PF WTPH-G) (NWTPH-G) (TSS) (ES) (TSS) (ES) (Total Kiesanide) (Free Ba) (Be) (Casanide) (Casani	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Duplicate Sample No(s):	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.16 1.17 1.18 1.19 1.19 1.19 1.10	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Duplicate Sample No(s):	Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (NWTPH-I activity) (TDS (C) (Total PO4 (e) (WAD Cy (C) (As) (Sb) (I etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.16 1.17 1.18 1.19 1.19 1.19 1.10	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
• • • • • • • • • • • • • • • • • • • •	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (NWTPH-I activity) (TDS (C) (Total PO4 (e) (WAD Cy (C) (As) (Sb) (I etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.16 1.17 1.18 1.19 1.19 1.19 1.10	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
• • • • • • • • • • • • • • • • • • • •	Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (NWTPH-I activity) (TDS (C) (Total PO4 (e) (WAD Cy (C) (As) (Sb) (I etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.16 1.17 1.18 1.19 1.19 1.19 1.10	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
	Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (NWTPH-I activity) (TDS (C) (Total PO4 (e) (WAD Cy (C) (As) (Sb) (I etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.16 1.17 1.18 1.19 1.19 1.19 1.10	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Signature: JAN Date: 8/11/2020	Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 361.9 361.3 361.4 361.3 361.5 NALYSIS AL (NWTPH-I activity) (TDS (C) (Total PO4 (e) (WAD Cy (C) (As) (Sb) (I etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.15 1.14 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.16 1.17 1.18 1.19 1.19 1.19 1.10	5.98 5.98 5.98 5.99 5.98 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (Turbic ddhl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -24.8 -24.9 -25.0 -25.2 -25.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Great) (HCO3/CO3) (Cr (NO2) (Pb) (Mg) (Mn) (1)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		August 202	0		Date/Time:	8/11/2020@	1316		
Sample Num	nber:	RGW-244S	200811		Weather:	SUNNY			
Landau Repr	resentative:				•				
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.88	Time:	1248	Flow through ce	ll vol.	_	GW Meter No.(s	s 1
Begin Purge:	0 0 0			End Purge:	-	8/11/2020 @	1306	Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground		SITE TREATM	ENT SYSTEM
-	Т	C 1	D.O.		ODD	T1:4:4-	DTW	T., 4	Commental
Time	Temp (°F/°C)	Cond. (uS/cm)	mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					dings within the fol	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1253	20.9	374.0	0.32	6.09	1.4		4.89		
1256	21.8	390.5	0.40	6.11	-4.4		4.89		
1259	22.6	401.3	0.42	6.15	-8.5		4.89		
1302	23.0	407.9	0.39	6.15	-10.7				
1305	23.6	419.3	0.42	6.16	-13.9				
	23.0	419.3	0.42	0.10	-13.9				
1308								· 	
1310									
SAMPLE CO									
Sample Collec	cted With:		Bailer	_		DED. BLADDER		_	-
Made of:	Ų	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	d Ordor)	C41							
. •		Other							
		—	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descr	ription (color,	turbidity, odor					DTW	Ferrous iron	Comments/
		—	D.O. (mg/L)	NO COLOR	, LOW TURB, N ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	Turbidity			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 420.6	D.O. (mg/L)	pH 6.16	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 23.8 23.7	Cond. (uS/cm) 420.6	D.O. (mg/L) 0.44 0.43	pH 6.16 6.16	ORP (mV) -14.2 -14.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.8 23.7 23.7	Cond. (uS/cm) 420.6 421.3 421.9	D.O. (mg/L) 0.44 0.43	pH 6.16 6.16 6.16	ORP (mV) -14.2 -14.3	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 23.8 23.7 23.9	Cond. (uS/cm) 420.6 421.3 421.9	D.O. (mg/L) 0.44 0.43 0.41	pH 6.16 6.16 6.16 6.16	ORP (mV) -14.2 -14.3 -14.6 -14.9	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 23.8 23.7 23.7	Cond. (uS/cm) 420.6 421.3 421.9	D.O. (mg/L) 0.44 0.43	pH 6.16 6.16 6.16	ORP (mV) -14.2 -14.3	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.9 23.8	Cond. (uS/cm) 420.6 421.3 421.9 423.8	D.O. (mg/L) 0.44 0.43 0.41 0.41	pH 6.16 6.16 6.16 6.16 6.16	ORP (mV) -14.2 -14.3 -14.6 -14.9	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.7 23.9 23.8	Cond. (uS/cm) 420.6 421.3 421.9 423.8	D.O. (mg/L) 0.44 0.43 0.41 0.41 0.42	pH 6.16 6.16 6.16 6.16 6.16 6.18	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.44 0.43 0.41 0.42 LOWED PERMITPH-G) (6.16 6.16 6.16 6.16 6.16 KER BOTTLE (NWTPH-GX) (TPH-	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Conductive)	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LOWED PERMYPH-G) (MONTPH-S) (TSS) (B	6.16 6.16 6.16 6.16 6.16 6.17 ER BOTTLE (NWTPH-GX) I-DX) (TPH-GOD) (Turbic	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (O	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (b) (8020) (NI) (NWTPH- detivity) (TD: (C) (Total PO-	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.16 6.16 6.16 6.16 6.16 CER BOTTLE (NWTPH-Gx) I-Dx) (TPH-BOD) (Turbiodahl Nitroger	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Green) (HCO3/CO3) (O	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI 0) (8020) (N I) (NWTPHactivity) (TD: C) (Total PO- de) (WAD Cy	D.O. (mg/L) 0.44 0.43 0.41 0.42 LOWED PERMITTENS) (BD) (NWTPHS) (TSS) (Bd) (Total Kieranide) (Free	pH 6.16 6.16 6.16 6.16 6.16 CR BOTTLE (NWTPH-Gx) I-Dx) (TPH-BOD) (Turbicodal) (Turbicodal) (Turbicodal)	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity and (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (NI) (NWTPH- lectivity) (TDS) (C) (Total PO4- le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.16 6.16 6.16 6.16 6.17 6.16 6.16 6.1	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (O/NO2) (Pb) (Mg) (Mn) (1403)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI () (8020) (N I) (NWTPH- (ctivity) (TD(C)) (Total PO- (ctivity) (As) (Sb) ((ctals) (As) (Sb) ((ctals) (As) (Sb) ((ctals) (As) (Sb)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.16 6.16 6.16 6.16 6.17 6.16 6.16 6.1	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI () (8020) (N I) (NWTPH- (ctivity) (TD(C)) (Total PO- (ctivity) (As) (Sb) ((ctals) (As) (Sb) ((ctals) (As) (Sb) ((ctals) (As) (Sb)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Management of the control of the contro	pH 6.16 6.16 6.16 6.16 6.17 6.16 6.16 6.1	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Manual Control of the Co	pH 6.16 6.16 6.16 6.16 6.17 6.16 6.16 6.1	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Manual Control of the Co	pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Manual Control of the Co	pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Manual Control of the Co	pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Manual Control of the Co	pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.8 23.7 23.9 23.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 420.6 421.3 421.9 423.8 421.9 NALYSIS AI (D) (8020) (N (D) (NWTPH-activity) (TD: (C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.43 0.41 0.42 LLOWED PERMYTPH-G) (Manual Control of the Co	pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbiodahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -14.2 -14.3 -14.6 -14.9 -14.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Green (1403) (Oil & Control (1403)) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 10/2020@	1015		
Sample Num	nber:	RGW211S-	200810		Weather:	SUNNY, 70S			
Landau Repr	resentative:	BXM			•				
WATER LEV	EL/WELL/PI	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	8.50	Time:	- '	Flow through ce		-	GW Meter No.(s	s SLOPE 10
Begin Purge:	0 0 . /			End Purge:	_	8/ 10 /2020 @ 10	012	Gallons Purged:	
Purge water d			55-gal Drum	Ĕ	Storage Tank	Ground	_	SITE TREATM	
8	•	~ .	-			_	_	-	
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	, ,	. ,	. 0 /	ers for three	· /	lings within the fo	` '	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
953	19.4	268.6	0.96	6.04	95.4		8.50		MUD ON END
956	19.6	291.4	1.13	6.02	92.5		8.50		OF WATER LEVEL
959	19.9	280.8	0.81	6.05	85.9		8.50		METER
1002	20.1	266	0.74	6.07	80.5				
1005	20.1		1.02		77.6				
		260.5		6.07					
1008	20.2	259	0.72	6.07	76.0				
1011	20.2	257.1	0.74	6.08	75.2				
SAMPLE CO	LLECTION D								
Sample Collec	cted With:		Bailer	_	Pump/Pump Type			_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	1 Order)	Other							
	i Oruer)	U Other							
		₩	r, sheen, etc.):	CLOUDY, E	BROWN TINT, N	O ODOR, NO SHE	EEN		
Sample Descr	ription (color,	turbidity, odo	· · · / <u>-</u>			•		Ferrous iron	Comments/
		₩	D.O. (mg/L)	CLOUDY, F	ORP (mV)	O ODOR, NO SHE Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	Turbidity	DTW		
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.08	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 20.2	Cond. (uS/cm) 256.7	D.O. (mg/L) 0.97	pH 6.08 6.08	ORP (mV) 75.0 74.7	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 20.2 20.2 20.2	Cond. (uS/cm) 256.7 256.2 255.9	D.O. (mg/L) 0.97 0.91	pH 6.08 6.08 6.08	ORP (mV) 75.0 74.7 74.6	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 20.2 20.2 20.2 20.2	Cond. (uS/cm) 256.7 256.2 255.9	D.O. (mg/L) 0.97 0.91 0.87	pH 6.08 6.08 6.08 6.08	ORP (mV) 75.0 74.7	Turbidity (NTU)	DTW		
Replicate 1 2 3	Temp (°F/°C) 20.2 20.2 20.2	Cond. (uS/cm) 256.7 256.2 255.9	D.O. (mg/L) 0.97 0.91	pH 6.08 6.08 6.08	ORP (mV) 75.0 74.7 74.6	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2	Cond. (uS/cm) 256.7 256.2 255.9 256.1	D.O. (mg/L) 0.97 0.91 0.87 0.84	pH 6.08 6.08 6.08 6.08 6.08	ORP (mV) 75.0 74.7 74.6 74.4 74.7	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 TYPICAL A	Cond. (uS/cm) 256.7 256.2 255.9 256.1 NALYSIS AL	D.O. (mg/L) 0.97 0.91 0.87 0.84	6.08 6.08 6.08 6.08 6.08	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI (NWTPH-	D.O. (mg/L) 0.97 0.91 0.87 0.84 0.90 LLOWED PF	6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX 1-DX) (TPH-	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI (0) (8020) (NI) (NWTPH- activity) (TD	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PERMYPH-G) (DD) (NWTPH-S) (TSS) (B	6.08 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbic	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAH (pH) (Conduction) (Too	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI (0) (8020) (NI) (NWTPH- activity) (TD C) (Total PO-	D.O. (mg/L) 0.97 0.91 0.87 0.84 0.90 LLOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 256.7 256.2 255.9 255.5 266.1 NALYSIS AI O) (8020) (N H) (NWTPH- activity) (TD C) (Total PO-	D.O. (mg/L) 0.97 0.91 0.87 0.84 0.90 CLOWED PERMYPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kievanide) (Freevanide) (Freevanide)	6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity and (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (One)	non-standard a	malysis below) WA WA WA O NO (NO (F)	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (NI) (NWTPH- lectivity) (TD (C) (Total PO- le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PE WYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI (D) (8020) (NWTPH- ictivity) (TD (C) (Total PO- ictivity) (TD (C) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PE WYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI (D) (8020) (NWTPH- ictivity) (TD (C) (Total PO- ictivity) (TD (C) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PERMYPH-G) (Martin Control of the Con	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (N H) (NWTPH- cictivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PERMYPH-G) (Martin Control of the Con	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (N H) (NWTPH- cictivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PERMYPH-G) (Martin Control of the Con	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 2	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (N H) (NWTPH- cictivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 2	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (N H) (NWTPH- cictivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 0.97 0.91 0.84 0.90 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	pH 6.08 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 2 Duplicate San	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (N H) (NWTPH- ictivity) (TD (C) (Total PO- ictivity) (As) (Sb) (etals) (As) (Sb) g short list) iane Ethene A	D.O. (mg/L) 0.97 0.91 0.87 0.84 0.90 LLOWED PERWITH-G) (MWTPH-G) (MWTP	pH 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) (Cd) (Co) (Ca) (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) (NH3) (NO3. (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (P	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Green (HCO3/CO	non-standard a ase) Cl) (SO4) (NC Ni) (Ag) (Se) ((Ag) (Se) (Tl) (V	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 2	Temp (°F/°C) 20.2 20.2 20.2 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 256.7 256.2 255.9 255.5 256.1 NALYSIS AI () (8020) (N H) (NWTPH- ictivity) (TD (C) (Total PO- ictivity) (As) (Sb) (etals) (As) (Sb) g short list) iane Ethene A	D.O. (mg/L) 0.97 0.91 0.87 0.84 0.90 LLOWED PERWITH-G) (MWTPH-G) (MWTP	pH 6.08 6.08 6.08 6.08 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbidahl Nitroger Cyanide) (Cd) (Co) (Ca) (Cd) (Co)	ORP (mV) 75.0 74.7 74.6 74.4 74.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) (NH3) (NO3. (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (P	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (One (HCO3/CO3) (One (HCO3/CO3)) (One (HCO3/CO3) (One (HCO3/CO3) (One (HCO3/CO3)) (One (HCO3/CO3) (One (HCO3/CO3)) (One (HCO	non-standard a ase) Cl) (SO4) (NC Ni) (Ag) (Se) ((Ag) (Se) (Tl) (V	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Name: Boeing Renton Project Number: 0025217.099.099	-			1011		1 Toject Nullioc	Γ.	0023217.099.0	99	
	-		Aug-20			Date/Time:	8/ 10 /2020@	1200		
Event: Aug-20 Date/Time: 8/10 /2020@ 1200	т 1 ~	nber:	RGW221S-	200810		Weather:	SUNNY, 70S			
	Landau Repi	resentative:	BXM							
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	WATERIEV	/FI /WFI I /PI	IRGE DATA							
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM)	Damaged (N	0)	Describe:	Flush Mount		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA			` ′					1 Iusii Woulit	GW Motor No. (c	SLODE 10
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount						_		1155	<u>-</u>	
Sample Number: RGW221S-200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10					End Purge:		$\overline{}$		-	-
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10/2020 @ 1155 Gallons Purged: <1	Purge water d	isposed to:		55-gal Drum		Storage Tank	☐ Ground	Other	SHE IREAIM	ENI SYSIEM
Sample Number: RGW221S-200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10		Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: Storage Tank Ground Other SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/	Time	` ,	` ,		ous fou thus	· /	` '	· ,	(0)	Observations
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: Storage Tank Ground Other SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity (NTU) DTW Internal Purge Comments/ Observations								< 0.3 ft		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: 55-gal Drum Storage Tank Ground Tother SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/ONS (SPOPE 10 Ground) Time (°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) Volume (gal) Observations Purge Goals: Stablization of Parameters for three consecutive readings within the following limits >/= 1 flow	1126									
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: 55-gal Drum Storage Tank Ground Other SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/ Time (°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) Volume (gal) Observations Purge Goals: Stablization of Parameters for three consecutive readings within the following limits +/- 10 mV +/- 10% < 0.3 ft through cell										
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	1139	23.3	221.6	0.80	5.92	95.7		10.53		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: 55-gal Drum Storage Tank Ground Other SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/ Time (°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) Volume (gal) Observations Purge Goals: Stablization of Parameters for three consecutive readings within the following limits +/- 10 mV +/- 10% <0.3 ft through cell	1142	24.5	255.9	0.69	6.03	86.9		10.53		
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	1145	24.8	263.7	0.65	6.05	84.2				
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S SUNNY, 70S	1148	25.3	279.0	0.62	6.08	80.8				
Sample Number: RGW221S-200810 Weather: SUNNY, 70S				0.72	6.00					
Sample Number: RGW221S- 200810 BXM SUNNY, 70S SUNNY, 70S										
Sample Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Sumple Numb	1154	25.9	275.3	0.69	6.10	77.8				
Sample Number: RGW221S- 200810 BXM SUNNY, 70S SUNNY, 70S										
Sample Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Early Sumple Number: Sumple Numb										
Sample Number: RGW221S-200810 BXM SUNNY, 70S SUNNY, 70S	Sample Colle	cted With:		_		Pump/Pump Type	BLADDER			-
Sample Number: RGW221S- 200810 BXM SUNNY, 70S S	Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S SUNNY, 70S		lure:	Alconox Was	sh 🗍	Tan Rinse	DI Water	Dedicated			
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S SUNNY, 70S	Decon Proced			-	rup rumse	□ D1 a.c.	Dedicated			
Sample Number: RGW221S- 200810 BXM SUNNY, 70S SUNNY, 70S		l Order)	Other		Tup Tuno	DI Water	Bedicated			
Sample Number: Landau Representative: BXM SUNNY, 70S SUNNY, 70S	(By Numerica		₩.			<u></u>		, NO SHEEN		
Sample Number: RGW221S-200810 BXM SUNNY, 70S SUNNY, 70S	(By Numerical Sample Description	ription (color, t	turbidity, odor,	, sheen, etc.):	CLOUDY, S	LIGHT BROWN	TINT, NO ODOR			
Sample Number: RGW221S-200810 Describe: SUNNY, 70S SUNNY, 70	(By Numerical Sample Description	Temp	curbidity, odor,	, sheen, etc.):	CLOUDY, S	LIGHT BROWN ORP	TINT, NO ODOR Turbidity	DTW		
Sample Number	(By Numerical Sample Described Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	CLOUDY, S	LIGHT BROWN ORP (mV)	TINT, NO ODOR Turbidity	DTW		
Sample Number: RGW221S-200810 Standard Representative: BXM SUNNY, 70S S	(By Numerical Sample Described Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	CLOUDY, S	LIGHT BROWN ORP (mV)	TINT, NO ODOR Turbidity	DTW		
Sample Number	(By Numerical Sample Described Replicate	Temp (°F/°C)	Cond. (uS/cm) 275.9	D.O. (mg/L)	CLOUDY, S pH 6.10	LIGHT BROWN ORP (mV) 77.8	TINT, NO ODOR Turbidity	DTW		
Sample Number RGW221S-200810 BXM SUNNY, 70S SU	(By Numerical Sample Described Replicate 1 2	Temp (°F/°C) 26.0	Cond. (uS/cm) 275.9	D.O. (mg/L) 0.65	CLOUDY, S pH 6.10 6.10	ORP (mV) 77.8 77.6	TINT, NO ODOR Turbidity	DTW		
Sample Number: RGW221S-200810 BZM	Replicate 1 2 3	Temp (°F/°C) 26.0 26.0	Cond. (uS/cm) 275.9 275.9 275.5	D.O. (mg/L) 0.65 0.71 0.69	CLOUDY, S pH 6.10 6.10 6.10	ORP (mV) 77.8 77.6 77.3	TINT, NO ODOR Turbidity	DTW		
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	Replicate 1 2 3 4	Temp (°F/°C) 26.0 26.0 26.0	Cond. (uS/cm) 275.9 275.5 275.6	D.O. (mg/L) 0.65 0.71 0.69	CLOUDY, S PH 6.10 6.10 6.10 6.10	ORP (mV) 77.8 77.6 77.0	TINT, NO ODOR Turbidity (NTU)	DTW		
Sample Number: RGW221S-200810 BZM SUNNY, 70S SU	Replicate 1 2 3 4	Temp (°F/°C) 26.0 26.0 26.0	Cond. (uS/cm) 275.9 275.5 275.6	D.O. (mg/L) 0.65 0.71 0.69	CLOUDY, S PH 6.10 6.10 6.10 6.10	ORP (mV) 77.8 77.6 77.0	TINT, NO ODOR Turbidity (NTU)	DTW		
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0	Cond. (uS/cm) 275.9 275.9 275.5 275.6	D.O. (mg/L) 0.65 0.71 0.69 0.65	CLOUDY, S pH 6.10 6.10 6.10 6.10 6.10	ORP (mV) 77.8 77.6 77.3 77.0 77.4	TINT, NO ODOR Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Sample Name	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 26.0 (8260) (8010	Cond. (uS/cm) 275.9 275.5 275.6 275.7 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.65 0.71 0.69 0.68 LOWED PE	CLOUDY, S PH 6.10 6.10 6.10 6.10 6.10 8.10 CR BOTTLE NWTPH-GX	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aport) (BTEX)	TINT, NO ODOR Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations OR
Sample Number Sample Numbe	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH	Cond. (uS/cm) 275.9 275.5 275.6 275.7 NALYSIS AL () (8020) (N	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH	CLOUDY, S PH 6.10 6.10 6.10 6.10 6.10 8.10 6.10 CR BOTTLE NWTPH-GX,	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle ap (BTEX))	TUT, NO ODOR Turbidity (NTU) #DIV/0! oplicable or write (8141) (Oil & Green)	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Sample Number Sample Numbe	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH) (pH) (Conductive)	Cond. (uS/cm) 275.9 275.9 275.5 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	CLOUDY, S pH 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX C-DX) (TPH-OD) (Turbic	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle ap (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! #DIV/0! (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Sample Namber SAME SAME	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH) (COD) (TOO	Cond. (uS/cm) 275.9 275.5 275.6 275.7 NALYSIS AI D) (8020) (N I) (NWTPH-I) (tivity) (TDS	D.O. (mg/L) 0.65 0.71 0.69 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-Gx, D) (Turbio dahl Nitroger	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle ap (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! #DIV/0! (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Sample Number: RGW2218-200810 Weather: SAM	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8270) (PAH) (COD) (Total Cyanid	Cond. (uS/cm) 275.9 275.5 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-Inctivity) (TDS) (C) (Total PO4) (e) (WAD Cy	D.O. (mg/L) 0.65 0.71 0.69 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B L) (Total Kie anide) (Free	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle ap (BTEX) HCID) (8081) (8081) (10 (10 (10 (10 (10 (10 (10 (10 (10 (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (Oil NO2)	DTW (ft) non-standard at asse) CI) (SO4) (NO	malysis below) WA WA WA O NO2) (F)	Observations OR OR OR
Sample Number SIMM SIMM	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 275.9 275.5 275.6 275.7 NALYSIS AI () (8020) (N I) (NWTPH-I (ctivity) (TDS C) (Total PO4 e) (WAD Cy () (As) (Sb) (I	D.O. (mg/L) 0.65 0.71 0.69 0.68 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2)	DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Sample Number RGW2218-2008-10 Weather SUNNY, 70S SUNNY, 70S	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH (pH) (Conduction (COD) (Total Cyanid (Total Metals)) (Dissolved M.	Cond. (uS/cm) 275.9 275.9 275.5 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-Ictivity) (TDS () (Total PO4 e) (WAD Cy () (As) (Sb) (Ictals) (As) (Sb)	D.O. (mg/L) 0.65 0.71 0.69 0.68 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2)	DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Sample Number RGW221S-2008-10 Weathers SUNNY, 70S SUNNY, 70S	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (826.0) (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2)	DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Sample Number RGW2218-2008-10 Weather SUNNY, 70S SUNNY, 70S	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (826.0) (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2)	DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Sample Number RGW221S-2008-10 Weathers SUNNY, 70S SUNNY, 70S	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (826.0) (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2)	DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Author Representative EXM	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH (pH) (Conduction (COD) (Total Cyanida (Total Metals)) (Dissolved Mathematical Methane Ethermanical Code)	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Sample Number RGW221S-200810 Sample Number SUNNY, 70S SUNNY,	Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH (pH) (Conduction (COD) (Total Cyanida (Total Metals)) (Dissolved Mathematical Methane Ethermanical Code)	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Author Representative EXM	Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Audial Nampices Paralle Parall	Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.0 26.0 26.0 26.0 26.0 (8260) (8010) (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 275.9 275.9 275.6 275.6 275.7 NALYSIS AL () (8020) (N () (NWTPH-I () (TDS) () (Total PO4 (e) (WAD Cy () (As) (Sb) (I () (tetals) (As) (Sb () g short list)	D.O. (mg/L) 0.65 0.71 0.69 0.65 0.68 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.10 6.10 6.10 6.10 6.10 6.10 CR BOTTLE NWTPH-GX 1-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) 0) (Cd) (Co)	ORP (mV) 77.8 77.6 77.3 77.0 77.4 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (S141) (Oil & Green (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Sample Number: RGW221S- 200810 BXM SUNNY, 70S SUNNY, 70S		lure:				-				
Sample Number: RGW221S-200810 BXM	Made of:	U	Stainless Stee	eı 📋	PVC	l effon		U Other	Dedicated	
Sample Number: RGW221S- 200810 BXM SUNNY, 70S S	Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Sample Number: RGW221S-200810 BXM SUNNY, 70S SUNNY, 70S	Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Sample Number: RGW221S- 200810 Wether: SUNNY, 70S WATER LEVEL/PURGE DATA Water Level/Well/Purge Data Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020@ 1155 Gallons Purged: <1	•	cted with:		_			_		D D E (1	
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER			
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	Sample Colle	cted With:		Bailer		Pump/Pump Type	BLADDER			
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	Sample Colle	cted With:		Bailer		Pump/Pump Type	BLADDER			
Sample Number: RGW221S-200810 Weather: SUNNY, 70S				Bailer		Pump/Pump Type	BLADDER			
Sample Number: RGW221S-200810 Weather: SUNNY, 70S				Dailor		Dumm/Dumm Trins	DIADDED			
Sample Number: RGW221S-200810 Weather: SUNNY, 70S				D. 'I		D //D ==	DI APPER			
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	SAMPLE CO	LLECTION D	OATA							
Sample Number: Early Sumple Number: BXM Sumple Number: BXM Sumple Number: BXM Sumple Number: Sumple Number:	CAMPLE CO	I LECTION F								
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S										
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S										
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	1134	23.9	2/3.3	0.09	0.10	//.8				
Sample Number: Earndau Representative: BXM SUNNY, 708 SUNNY,	1154	25.9	275.3	0.69	6.10	77.8				
Sample Number: Earndau Representative: BXM SUNNY, 708 SUNNY,	1154	25.9	275.3	0.69	6.10	77.8				
Sample Number: Earndau Representative: BXM SUNNY, 708 SUNNY, 7	1131	23.7	278.3	0.73	0.09	19.3				
Sample Number: RGW221S-200810 Weather: SUNNY, 70S	1151	25.7	278.3	0.73	6.09	79.5				
Sample Number: RGW221S-200810 Weather: SUNNY, 70S SUNNY, 70S	1148	23.3	2/9.0	0.02	0.08	80.8				
Sample Number: RGW221S-200810 Weather: SUNNY, 70S SUNNY, 70S	1148	25.3	279.0	0.62	6.08	80.8				
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S SUNNY, 70S	1145	24.8	263.7	0.65	6.05	84.2				
Sample Number: RGW221S-200810 Weather: SUNNY, 70S SUNNY, 70S	11/15	24.8	263.7	0.65	6.05	84.2				
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	1142	24.5	255.9	0.69	6.03	86.9		10.53		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	-									
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: 55-gal Drum Storage Tank Ground The SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/ (°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) Volume (gal) Observations Purge Goals: Stablization of Parameters for three consecutive readings within the following limits +/- 3% +/- 3% +/- 10% +/- 0.1 units +/- 10 mV +/- 10% <0.3 ft through cell	1139	23.3	221.6	0.80	5.92	95.7		10.53		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: 55-gal Drum Storage Tank Ground The SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/ Time (°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) Volume (gal) Observations Purge Goals: Stablization of Parameters for three consecutive readings within the following limits +/- 3% +/- 3% +/- 10% +/- 0.1 units +/- 10 mV +/- 10% <0.3 ft through cell	1136	22.6	215.0	0.82	3.90	100.2		10.52	•	
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: 55-gal Drum Storage Tank Ground Tother SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/Observations Purge Goals: Stablization of Parameters for three consecutive readings within the following limits >/= 1 flow	1136	22.6	215.0	0.82	5 90	100.2		10.52		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: Storage Tank Ground Other SITE TREATMENT SYSTEM Temp (°F/°C) (uS/cm) D.O. pH ORP Turbidity (NTU) Observations Time (°F/°C) (uS/cm) (ug/L) (mg/L) (mV) (NTU) (NTU) Observations									through cell	
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: Storage Tank Ground Other SITE TREATMENT SYSTEM Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Comments/	Time	` ,	` ,		ers for three	· /	` '	· ,	(0)	Obsci vations
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 1133 End Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1 Purge water disposed to: Storage Tank Ground Other SITE TREATMENT SYSTEM	Time				pН		•		U	
Sample Number: RGW221S-200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1		Tomp	Cond	DΩ	ъU	ODD	Turkidity	DTW	Internal Durge	Commonts/
Sample Number: RGW221S-200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10 Begin Purge: Date/Time: 8/ 10 /2020 @ 1155 Gallons Purged: <1	ruige water u	isposed to.	4	55-gai Diuiii	₩	Storage Talik	□ Ground	Other	SHE IKEAIW	ENISISIEM
Sample Number: RGW221S-200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount DTW Before Purging (ft) 10.52 Time: 1132 Flow through cell vol. GW Meter No.(s SLOPE 10	Durga water d	isposed to:		55 gal Drum		Storage Took	Ground	Other	SITE TDEATM	ENT SVSTEM
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount	Begin Purge:	Date/Time:	8/ 10 /2020	1133	End Purge:	Date/Time:	8/ 10 /2020 @	1155	Gallons Purged:	< 1
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe: Flush Mount	DTW Before	Purging (ft)	10.52	Time:	1132	Flow through ce	l vol.		GW Meter No.(SLOPE 10
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM WATER LEVEL/WELL/PURGE DATA			` ′					11001111100111		ar app 40
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S Landau Representative: BXM	Well Condition	n:	Secure (YES))	Damaged (N	O)	Describe:	Flush Mount		
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	WATER LEV	EL/WELL/PU	JRGE DATA							
Sample Number: RGW221S- 200810 Weather: SUNNY, 70S	Landau Kepi	resentative:	DAIVI							
	London Dom	=				-	5011111,705			
Event: Aug-20 Date/Time: 8/ 10 /2020@ 1200	-	nher:		200810		Weather:	SUNNY 70S			
	Sample Num		Aug-20			Date/Time:	8/10 /2020@.	1200		
Dooing Tomon 110Ject Pullion. 0023217.077.077	Sample Num					-		3023217.077.0		



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 10 /2020@	1105		
Sample Nun	nber:	RGW224S-	200810		Weather:	SUNNY, 70S			
Landau Rep	resentative:	BXM			•				
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	11.03	Time:	_	Flow through ce			GW Meter No.(s	s SLOPE 10
	Date/Time:			End Purge:	_	8/ 10 /2020 @ 11	104	Gallons Purged:	
Purge water d			55-gal Drum	_	Storage Tank	Ground	_	SITE TREATM	
8	•				Ü	_	_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	` /	` ,		ters for three	` /	lings within the fo	` '	>/= 1 flow	observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1045	22.0	174.3	0.69	5.65	113.0		11.11		
1048	22.6	182.0	0.53	5.72	108.6		11.12		
1051	23.1	187.8	0.46	5.80	101.3		11.10		
1054	·	189.8	0.40	5.84	97.0			-	
1057	23.4	190.2	0.42	5.86	93.8			. ———	
1100	23.5	190.2	0.43	5.88	91.3				
-							- <u></u>	- <u></u> -	
SAMPLE CO	LLECTION E								
Sample Colle	cted With:		Bailer	_	Pump/Pump Type	BLADDER		·	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	d Order)	Other							
, -		-							
, -		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO	DDOR, NO SHEEN	1		
Sample Descr	ription (color,	turbidity, odor	· -					Farmana inan	Commental
, -		-	D.O. (mg/L)	CLEAR, CO	OLORLESS, NO O	DOOR, NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH 5.88	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 23.5 23.6	Cond. (uS/cm) 190.0	D.O. (mg/L) 0.44 0.45	pH 5.88	ORP (mV) 91.0 90.5	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 23.5 23.6 23.6	Cond. (uS/cm) 190.0 189.9	D.O. (mg/L) 0.44 0.45	pH 5.88 5.88 5.89	ORP (mV) 91.0 90.5 89.9	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 23.5 23.6	Cond. (uS/cm) 190.0	D.O. (mg/L) 0.44 0.45	pH 5.88	ORP (mV) 91.0 90.5	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 23.5 23.6 23.6	Cond. (uS/cm) 190.0 189.9	D.O. (mg/L) 0.44 0.45	pH 5.88 5.88 5.89	ORP (mV) 91.0 90.5 89.9	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9	D.O. (mg/L) 0.44 0.45 0.45 0.46	5.88 5.88 5.89 5.89	ORP (mV) 91.0 90.5 89.9 89.6	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45	5.88 5.88 5.89 5.89 5.89	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.44 0.45 0.46 0.45 0.46 0.45 LLOWED PERWITPH-G) (MITPH-G) (MITPH-G)	5.88 5.88 5.89 5.89 5.89 ER BOTTLE NWTPH-GX	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI 0) (8020) (N I) (NWTPH-activity) (TD:	D.O. (mg/L) 0.44 0.45 0.46 0.45 0.46 0.45 LLOWED PH WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	5.88 5.89 5.89 5.89 6.R BOTTLE (NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (PH) (Conduction) (TOO	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (2) (8020) (N (4) (NWTPH- (4) (C) (Total PO-	D.O. (mg/L) 0.44 0.45 0.46 0.45 LLOWED PERMYPH-G) (MYTPH-G) (5.88 5.89 5.89 5.89 5.89 CR BOTTLE (NWTPH-Gx) I-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (0) (8020) (N H) (NWTPHactivity) (TD: (C) (Total PO-	D.O. (mg/L) 0.44 0.45 0.46 0.46 0.45 CLOWED PRIVITH-G) (D) (NWTPH-S) (TSS) (E4) (Total Kievanide) (Freevanide) (Freevanide) (Freevanide) (Freevanide)	5.88 5.89 5.89 5.89 5.89 CR BOTTLE (NWTPH-Gx) I-Dx) (TPH- BOD) (Turbic Cyanide)	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (67/NO2)	DTW (ft) non-standard a ease) CI) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI O) (8020) (NI H) (NWTPH- lectivity) (TDS C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 LLOWED PH WTPH-G) (D) (NWTPH S) (TSS) (E 4) (Total Kie //anide) (Free Ba) (Be) (Ca	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NWTPH-GX) EDX) (TPH-GX) EDX) (TPH-GX) EDX) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (b) (8020) (N (c) (Total PO-c) (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (sc)	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 LLOWED PH WTPH-G) (D) (NWTPH S) (TSS) (E 4) (Total Kie //anide) (Free Ba) (Be) (Ca	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NWTPH-GX) EDX) (TPH-GX) EDX) (TPH-GX) EDX) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (D) (8020) (N (H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 UNTPH-G) (MYTPH-G) (MYT	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NWTPH-GX) EDX) (TPH-GX) EDX) (TPH-GX) EDX) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (b) (8020) (N (c) (Total PO-c) (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (sc)	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 UNTPH-G) (MYTPH-G) (MYT	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NWTPH-GX) EDX) (TPH-GX) EDX) (TPH-GX) EDX) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (D) (8020) (N (H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 UNTPH-G) (MYTPH-G) (MYT	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NWTPH-GX) EDX) (TPH-GX) EDX) (TPH-GX) EDX) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (D) (8020) (N (H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (TSS	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NWTPH-GX) EDX) (TPH-GX) EDX) (TPH-GX) EDX) (Turbic dahl Nitroger	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (institution of the condition	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 CLOWED PF WYPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NUTPH-GX) I-DX) (TPH-GOD) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (institution of the condition	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 LLOWED PI WTPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (TSS	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NUTPH-GX) I-DX) (TPH-GOD) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 190.0 189.9 190.0 189.8 189.9 NALYSIS AI (institution of the condition	D.O. (mg/L) 0.44 0.45 0.45 0.46 0.45 CLOWED PF WYPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	5.88 5.89 5.89 5.89 5.89 ER BOTTLE (NUTPH-GX) I-DX) (TPH-GOD) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 91.0 90.5 89.9 89.6 90.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity in (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil MO2) (Pb) (Mg) (Mn) (Ni) (Mg) (Mn) (Ni)	non-standard a sase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph



Project Nam	ne:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 10 /2020@ 1	300		
Sample Nur	nber:	DUP3-	200810		Weather:	SUNNY, 70S			
Landau Rep	resentative:		BXM						
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Conditi	on:	Secure (YES	5)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	11.03	Time:	1040	Flow through ce	ll vol.		GW Meter No.(s	SLOPE 10
	Date/Time:			End Purge:	-	8/ 10 /2020 @	1104	Gallons Purged:	
Purge water of			55-gal Drum		Storage Tank	Ground		SITE TREATM	
1 uige water	•		-	_		_	_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
Time	. ,		` 0 /	ters for three	. ,	dings within the fo		>/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
								·	
-									
	- ——	1	JUPI	ICAT	E TO F	RGW224	lS.	-	
		-			LICI	(C \ \ 22			
SAMPLE CO	DLLECTION I							<u> </u>	
Sample Colle			Bailer		Pump/Pump Type	e BLADDER			
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
					-		U ouner	Bedreated	
Decon Proce		Alconox Wa	sn 📋	Tap Rinse	DI Water	Dedicated			
		I Othor							
	al Order)	Other	1		CLEAR COLOR	LEGG NO ODOR	NO CHEEN		
	ription (color,	₩	r, sheen, etc.):		CLEAR, COLOR	LESS, NO ODOR,	NO SHEEN		
Sample Desc	ription (color,	₩	-		CLEAR, COLOR		NO SHEEN DTW	Ferrous iron	Comments/
		turbidity, odo	D.O. (mg/L)	pН		LESS, NO ODOR, Turbidity (NTU)		Ferrous iron (Fe II)	Comments/ Observations
Sample Desc	ription (color,	turbidity, odor	D.O.		ORP	Turbidity	DTW		
Sample Desc Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH 5.88	ORP (mV)	Turbidity	DTW		
Sample Desc Replicate 1 2	Temp (°F/°C) 23.6 23.6	Cond. (uS/cm) 190	D.O. (mg/L) 0.43	pH 5.88	ORP (mV) 90.7 90.2	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 23.6 23.6 23.6	Cond. (uS/cm) 190.1	D.O. (mg/L) 0.43 0.46	pH 5.88 5.88 5.88	ORP (mV) 90.7 90.2	Turbidity	DTW		
Sample Desc Replicate 1 2	Temp (°F/°C) 23.6 23.6	Cond. (uS/cm) 190	D.O. (mg/L) 0.43	pH 5.88	ORP (mV) 90.7 90.2	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 23.6 23.6 23.6	Cond. (uS/cm) 190.1	D.O. (mg/L) 0.43 0.46	pH 5.88 5.88 5.88	ORP (mV) 90.7 90.2	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6	Cond. (uS/cm) 190.1 190.1 189.8 190.0	D.O. (mg/L) 0.43 0.46 0.45 0.45	5.88 5.88 5.89 5.88	ORP (mV) 90.7 90.2 90.0 89.3 90.1	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6	Cond. (uS/cm) 190.1 190.1 189.8 190.0	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45	5.88 5.88 5.89 5.88 ER BOTTLE	90.7 90.2 90.0 89.3 90.1	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (1	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 LLOWED PI	5.88 5.88 5.88 5.89 5.88 ER BOTTLE	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010) (8270) (PAF	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al. (0) (8020) (NUS/CM) (1) (NWTPH-	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 LLOWED PRINTPH-G) (5.88 5.88 5.89 5.88 CR BOTTLE (NWTPH-GX)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010) (8270) (PAH (pH) (Conduction)	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS AI 0) (8020) (NUTPH- activity) (TD	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 LLOWED PF NWTPH-G) (NWTPH S) (TSS) (E	5.88 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-GOD) (Turbi	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS AI 0) (8020) (NUTPH- activity) (TD	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 0.10	5.88 5.88 5.89 5.88 CR BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbiodahl Nitroger	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 (826) (8010 (8270) (PAF (pH) (Condu (COD) (Too (Total Cyanid	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (NH) (NWTPH- (ctivity) (TD (C) (Total PO) (le) (WAD Cy	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 LLOWED PR NWTPH-G) (D) (NWTPH S) (TSS) (E 4) (Total Kie vanide) (Free	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicolahl Nitrogen Cyanide)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (NI) (NWTPH- (ctivity) (TD (C) (Total PO) (le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 LLOWED PH NWTPH-G) (D) (NWTPH S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (NOTPH- inctivity) (TD (C) (Total PO- ile) (WAD C) (etals) (As) (Si	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 LLOWED PH NWTPH-G) (D) (NWTPH S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (Secondary of the secondary of the second	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (NOTPH- inctivity) (TD (C) (Total PO- ile) (WAD C) (etals) (As) (Si	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 O.HO (NWTPH-G) (N	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (Secondary of the secondary of the second	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD (C) (Total PO (de) (WAD C) (totals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 O.HO (NWTPH-G) (N	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (Secondary of the secondary of the second	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD (C) (Total PO (de) (WAD C) (totals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 O.HO (NWTPH-G) (N	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (Secondary of the secondary of the second	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD (C) (Total PO (de) (WAD C) (totals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 O.HO (NWTPH-G) (N	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (PH) (Conduction (COD) (Total Cyanical Cyanic	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS AI (0) (8020) (NI) (1) (NWTPH-activity) (TD (2) (Total PO- le) (WAD Cy (2) (As) (Sb) ((etals) (As) (Sl (g short list) name Ethene A	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 LLOWED PF WWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	5.88 5.88 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx H-Dx) (Turbicked Nitrogen et Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (PH) (Conduction (COD) (Total Cyanical Cyanic	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD (C) (Total PO (de) (WAD C) (totals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 LLOWED PF WWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	5.88 5.88 5.89 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAF (PH) (Conduction (COD) (Total Cyanical Cyanic	Cond. (uS/cm) 190.1 190.1 189.8 190.0 NALYSIS AI (0) (8020) (NI) (1) (NWTPH-activity) (TD (2) (Total PO- le) (WAD Cy (2) (As) (Sb) ((etals) (As) (Sl (g short list) name Ethene A	D.O. (mg/L) 0.43 0.46 0.45 0.45 0.45 0.45 LLOWED PF WWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	5.88 5.88 5.88 5.89 5.88 ER BOTTLE (NWTPH-Gx H-Dx) (TPH-Gx H-Dx) (Turbicked Nitrogen et Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 90.7 90.2 90.0 89.3 90.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the image of the	DTW (ft) non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 10/2020@	1530		
Sample Num	ıber:	RGW188S-	200810		Weather:	SUNNY, WIND	Y, 80S		
Landau Repr	esentative:	BXM			•				
WATER LEV	EL/WELL/PI	IRGE DATA							
Well Conditio		Secure (YES)	Damaged (N	O)	Describe:	FLUSH		
DTW Before	Purging (ft)	3.86	Time:	- '	Flow through ce		-	GW Meter No.(s	SLOPE 10
Begin Purge:	0 0 0			End Purge:	_	8/ 10 /2020 @,	1528	Gallons Purged:	
Purge water d			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
8	•		-			_	_	•	
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	` ′	. ,	. 0 /	ers for three	consecutive read	lings within the fo	` '	>/= 1 flow	observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1509	22.4	558	0.26	6.24	39.2		3.86		
1512	23.4	567	0.23	6.22	38.1		3.86		
1515	24.2	577	0.27	6.21	37.0		3.86		
1518	24.9	586	0.36	6.22	34.1				
								·	
1521	25.4	591	0.44	6.23	30.9				
1524	25.5	591	0.54	6.23	29.4				
1527	25.5	593	0.50	6.23	27.1				
SAMPLE CO									
Sample Collec	cted With:		Bailer	_	Pump/Pump Type	_		_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica									
. •		Other							
. •		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	I, DARK FINES	, EFFERVESCEN	VΤ
Sample Descr	iption (color,	turbidity, odor							
. •		-	D.O. (mg/L)	CLEAR, CO	ORP (mV)	DDOR, NO SHEEN Turbidity (NTU)	DTW (ft)	, EFFERVESCEN Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.22	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate 1 2	Temp (°F/°C) 25.5	Cond. (uS/cm) 593	D.O. (mg/L) 0.51	pH 6.22 6.22	ORP (mV) 26.7 26.5	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 25.5 25.5 25.5	Cond. (uS/cm) 593 593	D.O. (mg/L) 0.51 0.52	pH 6.22 6.22 6.22	ORP (mV) 26.7 26.5 26.1	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate 1 2	Temp (°F/°C) 25.5 25.5 25.5 25.5	Cond. (uS/cm) 593 593 593	D.O. (mg/L) 0.51 0.52 0.53	6.22 6.22 6.22 6.23	ORP (mV) 26.7 26.5 26.1 25.6	Turbidity (NTU)	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 25.5 25.5 25.5	Cond. (uS/cm) 593 593	D.O. (mg/L) 0.51 0.52	pH 6.22 6.22 6.22	ORP (mV) 26.7 26.5 26.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5	Cond. (uS/cm) 593 593 593 593 593	D.O. (mg/L) 0.51 0.52 0.53 0.53	6.22 6.22 6.22 6.23 6.23	ORP (mV) 26.7 26.5 26.1 25.6 26.2	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.5 25.5 TYPICAL A	Cond. (uS/cm) 593 593 593 593 593	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PE	6.22 6.22 6.22 6.23 6.23	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.5 25.5 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMITPH-G) (NWTPH-G) (NWT	6.22 6.22 6.23 6.22 6.22 CR BOTTLE NWTPH-GX;	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI 0) (8020) (NAH) (NWTPH activity) (TD:	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (NWTPH-G) (MYTPH-G) (MYTP	6.22 6.22 6.23 6.22 6.23 6.22 ER BOTTLE NWTPH-GX PH-Dx) (TPP	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (COD) (Too	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (2) (8020) (N (3) (NWTPH (4) (NWTPH (5) (Total PO-	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (M-LD) (NWTPH-G) (M-LD) (M-L	6.22 6.22 6.23 6.22 6.23 6.22 RBOTTLE NWTPH-Gx; PH-Dx) (TPFI OD) (Turbid dahl Nitroger	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TD) (C) (Total PO-	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide)	6.22 6.22 6.23 6.23 6.22 CR BOTTLE NWTPH-GX PH-DX) (TPF OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (67)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O NO (NO (F)	Comments/ Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanidation (Cod))	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (NWTPH lectivity) (TD: (C) (Total PO- le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PE WTPH-G) (WTF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanidation (Cod))	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PE WTPH-G) (WTF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Comments/ Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (() (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.6 25.6 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (() (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.6 25.6 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (() (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.5 25.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (() (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate San	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.5 25.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (() (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 25.5 25.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 593 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (() (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.53 0.52 LLOWED PERMYPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (MITPH-G) (MITP	6.22 6.22 6.23 6.22 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 26.7 26.5 26.1 25.6 26.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (HCO3/CO3) (G) (Mo2) (Pb) (Mg) (Mn) (Ni) (Mg) (Mn) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □



Project Name	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 10 /2020@	1410		
Sample Num	ıber:	RGW247S-	200810		Weather:	SUNNY, 80S			
Landau Repr	esentative:	BXM			•				
WATER LEV	EL/WELL/PI	IRGE DATA							
Well Conditio		Secure (YES)	Damaged (N	O)	Describe:	FLUSH		
DTW Before l	Purging (ft)	3.92	Time:	- '	Flow through ce			GW Meter No.(s	s SLOPE 10
Begin Purge:	0 0 . /			End Purge:	_	8/ 10 /2020 @	1408	Gallons Purged:	
Purge water d			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
8	•		-		-	_	_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	` ′		. 0 /	ers for three	. ,	lings within the fo	` '	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1349	23.4	543	0.27	6.28	62.5		4.04		
1352	26.2	567	0.28	6.31	56.5		3.98		
1355	26.9	574	0.34	6.32	52.4		3.98		
1358	27.5	578	0.35	6.33	49.9				
							· 		
1401	28.1	581	0.38	6.34	46.6		· 		
1404	28.7	584	0.43	6.34	40.2				
1407	29.2	586	0.46	6.36	33.9				
SAMPLE CO	LLECTION D								
Sample Collec	cted With:		Bailer	_	Pump/Pump Type	_		·	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica)									
. •		Other							
. •		—	, sheen, etc.):	CLEAR, CO	LORLESS, NO	ODOR, NO SHEE	N, EFFERVESC	ENT, SOM E OR	ANGE SOLIDS
Sample Descri	iption (color,	turbidity, odor							
. •		—	D.O. (mg/L)	CLEAR, CO	ORP (mV)	ODOR, NO SHEED Turbidity (NTU)	DTW (ft)	ENT, SOM E OR Ferrous iron (Fe II)	ANGE SOLIDS Comments/ Observations
Sample Descr	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate	Temp (°F/°C) 29.3 29.4	Cond. (uS/cm) 586	D.O. (mg/L) 0.5	pH 6.35 6.36	ORP (mV) 33.3 32.6	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 29.3 29.4 29.4	Cond. (uS/cm) 586 587	D.O. (mg/L) 0.5 0.49	pH 6.35 6.36 6.36	ORP (mV) 33.3 32.6 32.0	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate	Temp (°F/°C) 29.3 29.4 29.4 29.3	Cond. (uS/cm) 586 587 587	D.O. (mg/L) 0.5 0.49 0.48	pH 6.35 6.36 6.36 6.36	ORP (mV) 33.3 32.6 32.0 31.3	Turbidity (NTU)	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 29.3 29.4 29.4	Cond. (uS/cm) 586 587	D.O. (mg/L) 0.5 0.49	pH 6.35 6.36 6.36	ORP (mV) 33.3 32.6 32.0	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4	Cond. (uS/cm) 586 587 587 587	D.O. (mg/L) 0.5 0.49 0.48 0.47	6.35 6.36 6.36 6.36	ORP (mV) 33.3 32.6 32.0 31.3 32.3	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4	Cond. (uS/cm) 586 587 587 587	D.O. (mg/L) 0.5 0.49 0.47 0.49 LLOWED PE	6.35 6.36 6.36 6.36 6.36 CR BOTTLE	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 586 587 587 587 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PF WTPH-G) (M-D) (NWTF	6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX;	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 586 587 587 587 NALYSIS AI 0) (8020) (Nath) (NWTPHetivity) (TD:	D.O. (mg/L) 0.5 0.49 0.47 0.49 LLOWED PERMYPH-G) (MYTPH-G) (M	6.35 6.36 6.36 6.36 6.36 ER BOTTLE NWTPH-GX PH-Dx) (TPP	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 17YPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 586 587 587 587 NALYSIS AI (b) (8020) (N CH) (NWTPH detivity) (TD: C) (Total PO-	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTPH-G) (M-LD) (M-LD	6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-Gx; PH-Dx) (TPFI OD) (Turbidahl Nitroger	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.4 29.4 29.4 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI (0) (8020) (N (NWTPF (ctivity) (TD) (C) (Total PO-	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 CLOWED PERIVIPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide) (Freewanide)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-DX) (TPF OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (d/NO2)	non-standard at rease)	ralysis below) WA WA WA O WA WA O WA O WA WA O WA WA	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanida (Total Metals)	Cond. (uS/cm) 586 587 587 587 NALYSIS AI () (8020) (NAH) (NWTPHETIVITY) (TDS) (C) (Total PO-Let) (WAD Cyl) (As) (Sb) (D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PE WTPH-G) (WTPH-G) (NWTPH-G) (Total Kielen (Freel Panish) (Total Kielen (Freel Panish) (Total Kielen (Freel Panish) (Elen (Callen (Freel Panish) (Elen (pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanida (Total Metals)	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPHetivity) (TD) () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (sc)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PE WTPH-G) (WTPH-G) (NWTPH-G) (Total Kielen (Freel Panish) (Total Kielen (Freel Panish) (Total Kielen (Freel Panish) (Elen (Callen (Freel Panish) (Elen (pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPHetivity) (TD) () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (sc)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPF () (Total PO- () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPF () (Total PO- () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPF () (Total PO- () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPF () (Total PO- () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sam	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPF () (Total PO- () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.3 29.4 29.4 29.3 29.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 586 587 587 587 587 NALYSIS AI () (8020) (N () (NWTPF () (Total PO- () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.5 0.49 0.48 0.47 0.49 LLOWED PERMYPH-G) (M-LD) (NWTFFS) (TSS) (Bd) (Total Kiewanide) (Free Ba) (Be) (Carbo) (Ba) (Be) (Carbo) (Ba) (Be) (Carbo)	pH 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 33.3 32.6 32.0 31.3 32.3 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 10 /2020@	1450		
Sample Nun	nber:	RGW248I-	200810		Weather:	SUNNY, WIND	Y, 80S		
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:	FLUSH		
DTW Before	Purging (ft)	3.61	Time:	1420	Flow through ce	ll vol.		GW Meter No.(s	s SLOPE 10
Begin Purge:	Date/Time:	8/ 10 /2020	@ 1425	End Purge:	Date/Time:	8/ 10 /2020 @	1447	Gallons Purged:	< 1
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	~					dings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1428	24.3	632	0.21	6.32	40.6		3.65		
1431	26.1	657	0.25	6.32	36.3		3.63		
1434	26.8	667	0.28	6.31	33.6		3.62		
1437	27.6	674	0.36	6.31	29.2				
1440		678	0.44	6.32	24.0				
-		684			14.4				
1443			0.52	6.32					
1446	29.0	685	0.51	6.31	10.6				-
	LLECTION I		D. 1		D /D	DI ADDED			
Sample Colle	cted with:	_	Bailer el	PVC	Pump/Pump Type		Other	D. F. 4. 1	
Made of:	. =	Stainless Stee			Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 📙	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other	1	CLEAR CO	I ODI EGG NO (DOD NO CHEEN	, EFFERNAGO	TA ITT	
		₩	, sheen, etc.):	CLEAR, CO	LORLESS, NO (DDOR, NO SHEEN	I, EFFERVESCE	ENT	
		₩	p.O.	CLEAR, CO	ORP	DDOR, NO SHEEN Turbidity	I, EFFERVESCE	Ferrous iron	Comments/
Sample Descr	ription (color,	turbidity, odor	· · · /_		•				Comments/ Observations
Sample Descr	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 29.1 29.1	Cond. (uS/cm) 685	D.O. (mg/L) 0.52	pH 6.31 6.31	ORP (mV) 10.1 9.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 29.1 29.1	Cond. (uS/cm) 685 686	D.O. (mg/L) 0.52 0.52	6.31 6.31 6.31	ORP (mV) 10.1 9.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 29.1 29.1 29.1	Cond. (uS/cm) 685 686 686	D.O. (mg/L) 0.52 0.52 0.51	6.31 6.31 6.31 6.31	ORP (mV) 10.1 9.5 9.1 8.6	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 29.1 29.1	Cond. (uS/cm) 685 686	D.O. (mg/L) 0.52 0.52	6.31 6.31 6.31	ORP (mV) 10.1 9.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 TYPICAL A	Cond. (uS/cm) 685 686 686 686 NALYSIS AI	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52	6.31 6.31 6.31 6.31 6.31 6.31	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.1 29.1 29.1 29.1 TYPICAL A (8260) (8016)	Cond. (uS/cm) 685 686 686 686 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMITPH-G) (6.31 6.31 6.31 6.31 6.31 6.31 RER BOTTLE	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 685 686 686 686 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.52 0.52 0.51 0.52 LOWED PP [WTPH-G] (NWTF	6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE NWTPH-GX: PH-Dx) (TPI	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Conduction)	Cond. (uS/cm) 685 686 686 686 NALYSIS AI (b) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LLOWED PF WTPH-G) (M-D) (NWTF S) (TSS) (B	6.31 6.31 6.31 6.31 6.31 6.31 6.7 6.31 6.31 6.31 6.31 6.31 6.31 6.31 6.31	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (PH) (Condu	Cond. (uS/cm) 685 686 686 686 686 NALYSIS AI (b) (8020) (N CH) (NWTPH detivity) (TDS	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYPH-G) (M-D) (NWTPH-G) (M-D) (M	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPI BOD) (Turbio dahl Nitroger	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 685 686 686 686 688 NALYSIS AI ()) (8020) (N AH) (NWTPHetivity) (TDS	D.O. (mg/L) 0.52 0.51 0.51 0.52 LOWED PF WTPH-G) (NWTP S) (TSS) (E 4) (Total Kie ranide) (Free	6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-GX) PH-Dx) (TPF BOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Go) (HCO3/CO3) (OV)	DTW (ft) non-standard at rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 685 686 686 686 NALYSIS AI (D) (8020) (N CH) (NWTPH detivity) (TDS (C) (Total PO- de) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.52 0.51 0.51 0.52 LOWED PF WTPH-G) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (PH-Dx) (Typh) (ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 685 686 686 686 NALYSIS AI (b) (8020) (N CH) (NWTPHetivity) (TDS C) (Total PO4 (c) (WAD Cy (d) (As) (Sb) (Cetals) (As) (Sb) (St	D.O. (mg/L) 0.52 0.51 0.51 0.52 LOWED PF WTPH-G) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (PH-Dx) (Typh) (ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 685 686 686 686 NALYSIS AI (b) (8020) (N CH) (NWTPHetivity) (TDS C) (Total PO4 (c) (WAD Cy (d) (As) (Sb) (Cetals) (As) (Sb) (St	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYTPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon)	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (PH-Dx) (Typh) (ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 685 686 686 686 NALYSIS AI () (8020) (N () (NWTPHetivity) (TDS () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb () g short list)	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYTPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon)	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide)	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 685 686 686 686 NALYSIS AI () (8020) (N () (NWTPHetivity) (TDS () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb () g short list)	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYTPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon)	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide)	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 685 686 686 686 NALYSIS AI () (8020) (N () (NWTPHetivity) (TDS () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb () g short list)	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYTPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon)	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide)	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 685 686 686 686 NALYSIS AI () (8020) (N () (NWTPHetivity) (TDS () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb () g short list)	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYTPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon)	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide)	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 29.1 29.1 29.1 29.1 29.1 29.1 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 685 686 686 686 NALYSIS AI () (8020) (N () (NWTPHetivity) (TDS () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb () g short list)	D.O. (mg/L) 0.52 0.52 0.51 0.51 0.52 LOWED PERMYTPH-G) (MITPH-G) (NWTPH-G) (NWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon) (Ba) (Be) (Candon)	pH 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx) (PH-Dx) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide)	ORP (mV) 10.1 9.5 9.1 8.6 9.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		August 202	0		Date/Time:	8/10/2020@	1521		
Sample Nun	nber:	RGW249S-	200810		Weather:	SUNNY			
Landau Repr	resentative:	JAN			•				
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:			
DTW Before		3.60	Time:	-	Flow through ce			GW Meter No.(s	· 1
	Date/Time:			End Purge:	_	8/10/2020 @	1514	Gallons Purged:	0.25
Purge water d		0/10/2020@	55-gal Drum	Š	Storage Tank	Ground		SITE TREATM	
i uige water u	isposed to.		•		Storage Talik	Ш Ground	U Ouici	SITE TREATM	ENT STSTEM
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP (mV)	Turbidity	DTW	Internal Purge	Comments/
Time	, ,	(uS/cm) s: Stablizatio	(mg/L) n of Paramet	ers for three	. ,	(NTU) lings within the fol	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1456	20.9	411.0	0.25	6.21	-11.8		3.60		
1459	23.5	435.9	0.30	6.29	-30.0		3.60		
1502	24.3	472.1	0.27	6.30	-37.1		3.60		
1505	25.5	483.9	0.30	6.31	-42.6				
1508	26.1	492.5	0.36	6.32	-46.0				
1511	26.5	495.4	0.40	6.32	-47.4				
1513	26.9	497.9	0.47	6.32	-48.4				
SAMPLE CO	LLECTION I	DATA							
Sample Colle			Bailer		Pump/Pump Type	DED. BLADDER			
Made of:	П	Stainless Ste	el 🗍	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa		Tap Rinse	DI Water	Dedicated		_	
(By Numerica		Other	·· ·	rap remse	□ Di watei	Dedicated			
		—	sheen etc.):	TANISH I	OW TURB, NNO	/NS			
Sample Desci	iption (color,	iarorany, odor	, внесн, сис.).	THI VIOLI, EX	711 TOTES, 11110	110.			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
1	26.8	498.1	0.46	6.32	-48.4				
2	26.9	498.2	0.48	6.32	-48.5				
3	26.9	498.5	0.40						
		770.5		6.32	-48.6				
4	26.0	400.0	0.49	6.32	-48.6				
	26.9	498.8	0.48	6.32	-46.8				
Average:	26.9	498.8				#DIV/0!			
	26.9	498.4	0.48	6.32	-46.8 -48.1	#DIV/0!	non-standard a	nalysis below)	
	26.9	498.4	0.48 0.48 LLOWED PE	6.32 6.32 CR BOTTLE	-46.8 -48.1		non-standard a	nalysis below) WA	OR 🗆
QUANTITY	26.9 TYPICAL A (8260) (8010)	498.4 NALYSIS AI 0) (8020) (N	0.48 0.48 LLOWED PE	6.32 6.32 CR BOTTLE NWTPH-Gx)	-46.8 -48.1 TYPE (Circle ap (BTEX)				OR OR
QUANTITY	26.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	498.4 NALYSIS AI 0) (8020) (N AH) (NWTPH 1ctivity) (TD:	0.48 0.48 LOWED PE WTPH-G) (H-D) (NWTE S) (TSS) (E	6.32 6.32 CR BOTTLE NWTPH-GX) PH-Dx) (TPH OD) (Turbic	-46.8 -48.1 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity)	(8141) (Oil & Gi (HCO3/CO3) (O	rease)	WA 🗆	
QUANTITY	26.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	NALYSIS AI (D) (8020) (N (M) (NWTPH (Ictivity) (TD) (C) (Total PO-	0.48 0.48 LOWED PF WTPH-G) (I-D) (NWTF S) (TSS) (E H) (Total Kie	6.32 6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPF OD) (Turbio dahl Nitroger	-46.8 -48.1 TYPE (Circle ap	(8141) (Oil & Gi (HCO3/CO3) (O	rease)	WA 🗆	
QUANTITY 3	26.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid	498.4 NALYSIS AI O) (8020) (N AH) (NWTPH detivity) (TD: C) (Total PO- de) (WAD Cy	0.48 0.48 LLOWED PP IWTPH-G) (I-D) (NWTF S) (TSS) (E I) (Total Kieranide) (Free	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH OD) (Turbic dahl Nitroger Cyanide)	-46.8 -48.1 TYPE (Circle ap	(8141) (Oil & Gi (HCO3/CO3) (O	rease) Cl) (SO4) (NC	WA	OR
QUANTITY 3	TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals	498.4 NALYSIS AI 0) (8020) (N AH) (NWTPH 1ctivity) (TD: 1C) (Total PO- 2c) (WAD Cy 3) (As) (Sb) (0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)
QUANTITY 3	TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	498.4 NALYSIS AI (1) (8020) (N (2) (Total PO- (3) (WAD Cy (4) (As) (Sb) ((ctals) (As) (Sb) (0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR
QUANTITY 3	TYPICAL A (8260) (8010) (8270D) (PA) (pH) (Conduction) (Total Cyanid) (Total Metals) (Dissolved M VOC (Boein)	MALYSIS AI (NALYSIS AI (NALYS	0.48 0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)
QUANTITY 3	TYPICAL A (8260) (8010) (8270D) (PA) (pH) (Conduction) (Total Cyanid) (Total Metals) (Dissolved M VOC (Boein)	498.4 NALYSIS AI (1) (8020) (N (2) (Total PO- (3) (WAD Cy (4) (As) (Sb) ((5) (Cotals) (As) (Sb) (0.48 0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)
QUANTITY 3	TYPICAL A (8260) (8010) (8270D) (PA) (pH) (Conduction) (Total Cyanid) (Total Metals) (Dissolved M VOC (Boein)	MALYSIS AI (NALYSIS AI (NALYS	0.48 0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)
QUANTITY 3	TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	MALYSIS AI (NALYSIS AI (NALYS	0.48 0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)
QUANTITY 3	TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	MALYSIS AI (NALYSIS AI (NALYS	0.48 0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)
QUANTITY 3	TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	MALYSIS AI (NALYSIS AI (NALYS	0.48 0.48 0.48 LOWED PF WTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.32 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-46.8 -48.1 TYPE (Circle aport (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	(8141) (Oil & Gr (HCO3/CO3) (O (NO2)	rease) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □ g) (K) (Na)



Project Nam	e:	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 12 /2020@	1340		
Sample Num	nber:	RGW250S-	200812		Weather:	PARTLY CLOU	JDY, 60S		
Landau Repr	resentative:	BXM			•				
WATER LEV	/EL/WELL/PI	IRGE DATA							
Well Condition		Secure (YES	5)	Damaged (N	O)	Describe:	FLUSH		
DTW Before	Purging (ft)	3.63	Time:	- '	Flow through ce		-	GW Meter No.(s	SSLOPE 10
Begin Purge:	0 0 0			End Purge:	-	8/ 12 /2020 @	1336	Gallons Purged:	
Purge water d			55-gal Drum	_	Storage Tank	Ground	_	SITE TREATM	-
8	•	_			-	_	_	•	
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	` /	. ,	` 0 /	ters for three	. ,	lings within the fo	` '	>/= 1 flow	obser viterons
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1317	17.6	128.7	1.31	6.78	58.5		3.85		
1320	18.1	129.8	1.06	6.70	62.0		3.82		
1323	18.9	129.6	0.83	6.67	60.7		3.79		
1326	19.1	129.5	0.79	6.66	59.3				-
1329			0.76	6.66	57.7				
1329	19.3	129.3	0.76	0.00	31.1				
	. ——								
SAMPLE CO	LLECTION I								
Sample Collec	cted With:		Bailer		Pump/Pump Type	_		_	
Made of:	<u> </u>	Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	101	□ < .1							
, I vamerica	l Order)	Other							
. •			r, sheen, etc.):	CLEAR, YE	LLOW TINT, NO	O ODOR, NO SHE	EN		
Sample Descr	ription (color,	turbidity, odo	· · · / <u>-</u>					Ferrous iron	Comments
. •			D.O. (mg/L)	CLEAR, YE	LLOW TINT, NO ORP (mV)	O ODOR, NO SHE	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	Turbidity	DTW		
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.66	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 19.4	Cond. (uS/cm) 129.3	D.O. (mg/L) 0.74 0.73	pH 6.66 6.66	ORP (mV) 57.4 57.3	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 19.4 19.4	Cond. (uS/cm) 129.3 129.3	D.O. (mg/L) 0.74 0.73	pH 6.66 6.66 6.66	ORP (mV) 57.4 57.3	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 19.4	Cond. (uS/cm) 129.3	D.O. (mg/L) 0.74 0.73	pH 6.66 6.66	ORP (mV) 57.4 57.3	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 19.4 19.4	Cond. (uS/cm) 129.3 129.3	D.O. (mg/L) 0.74 0.73	pH 6.66 6.66 6.66	ORP (mV) 57.4 57.3	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4	Cond. (uS/cm) 129.3 129.2 129.2	D.O. (mg/L) 0.74 0.73 0.76 0.74	pH 6.66 6.66 6.66 6.66	ORP (mV) 57.4 57.3 57.0 56.9 57.2	Turbidity	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 TYPICAL A	Cond. (uS/cm) 129.3 129.2 129.2 129.2 129.3	D.O. (mg/L) 0.74 0.73 0.76 0.74	pH	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI 0) (8021) (N	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 LLOWED PERWYPH-G) (pH 6.66 6.66 6.66 6.66 CR BOTTLE NWTPH-Gx	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 19.4 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI 0) (8021) (N H) (NWTPH- inctivity) (TD	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 LLOWED PERWYPH-G) (CD) (NWTPH-GS) (BS) (TSS) (BS)	6.66 6.66 6.66 6.66 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	Turbidity (NTU) pplicable or write (8141) (Oil & Gre (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 19.4 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N I) (NWTPH- netivity) (TD C) (Total PO-	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 LLOWED PENWTPH-G) (CD) (NWTPH-S) (TSS) (Bd) (Total Kie	6.66 6.66 6.66 6.66 CR BOTTLE NWTPH-Gx 1-Dx) (TPH- GOD) (Turbio	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & Gre (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 19.4 (8260) (8016 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- tetivity) (TD C) (Total PO-	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 LLOWED PENWTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kievanide) (Freevanide)	6.66 6.66 6.66 6.66 CR BOTTLE NWTPH-Gx, I-Dx) (TPH-GOD) (Turbicdahl Nitroger Cyanide)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity on (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2)	DTW (ft) non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (NUTPHactivity) (TD (C) (Total PO- le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- uctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- uctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 129.3 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- () (Total PO- () (As) (Sb) (etals) (As) (Sl () g short list)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 129.3 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- () (Total PO- () (As) (Sb) (etals) (As) (Sl () g short list)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 129.3 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- () (Total PO- () (As) (Sb) (etals) (As) (Sl () g short list)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 129.3 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- () (Total PO- () (As) (Sb) (etals) (As) (Sl () g short list)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 129.3 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- () (Total PO- () (As) (Sb) (etals) (As) (Sl () g short list)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 19.4 19.4 19.4 19.4 19.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 129.3 129.3 129.2 129.2 129.3 NALYSIS AI () (8021) (N H) (NWTPH- () (Total PO- () (As) (Sb) (etals) (As) (Sl () g short list)	D.O. (mg/L) 0.74 0.73 0.76 0.74 0.74 CLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.66 6.66 6.66 6.66 ER BOTTLE NWTPH-Gx) I-Dx) (TPH- DD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) 57.4 57.3 57.0 56.9 57.2 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	DTW (ft) non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 11 /2020@	1115		
Sample Nun	nber:	RGW009S-	200811		Weather:	INDOORS			
Landau Repr	resentative:	BXM							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES	5)	Damaged (N	O)	Describe:	FLUSH		
DTW Before		4.73	Time:		Flow through ce			GW Meter No.(s	s SLOPE 10
	Date/Time:			End Purge:	_	8/ 11 /2020 @	1110	Gallons Purged:	
Purge water d		6/ 11 /2020 □	55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
i uige water u	nsposed to.		55-gai Diuiii	-	Storage Talik	E Ground	Other	SITE TREATM	ENT STSTEM
Т:	Temp (°F/°C)	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	,	(uS/cm) s: Stablizatio	(mg/L) on of Paramet	ters for three	(mV) consecutive read	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1051	20.8	385.1	0.33	6.23	87.2		4.73		
1054	20.9	385.1	0.38	6.21	84.3		4.73		
	•							-	
1057	21.0	385.0	0.37	6.20	82.2		4.73		
1100	21.0	385.3	0.40	6.20	79.8				
-	·						-		
CAMPLE CO	LI ECTION F						· 		
Sample Colle	OLLECTION I	DATA	Bailer		Pump/Pump Type	DIADDED			
	cied with.	_	_	PVC			Other	Dadiastad	
Made of:	. =	Stainless Ste			Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
			-						
Sample Descr			r, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	, N, SOME LIGHT	FINES	
	ription (color,	turbidity, odor							Comments
Sample Descri Replicate			D.O. (mg/L)	CLEAR, CO	ORP (mV)	DOOR, NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.20	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.20	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 21.0 21.0	Cond. (uS/cm) 385.6	D.O. (mg/L) 0.39 0.40	pH 6.20 6.20	ORP (mV) 79.4 79.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 21.0 21.0	Cond. (uS/cm) 385.6 385.3	D.O. (mg/L) 0.39 0.40	6.20 6.20 6.20	ORP (mV) 79.4 79.2 79.1	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0	Cond. (uS/cm) 385.6 385.3 385.3 385.3	D.O. (mg/L) 0.39 0.40 0.40 0.39	6.20 6.20 6.20 6.20 6.20	ORP (mV) 79.4 79.2 79.1 78.9 79.2	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0	Cond. (uS/cm) 385.6 385.3 385.3 385.3	D.O. (mg/L) 0.39 0.40 0.39 0.40 0.40 LLOWED PE	6.20 6.20 6.20 6.20 6.20 6.20	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle a)	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010	Cond. (uS/cm) 385.6 385.3 385.3 385.3 385.4 NALYSIS AI () (8020) (N	D.O. (mg/L) 0.39 0.40 0.39 0.40 0.40 LLOWED PERWYPH-G) (6.20 6.20 6.20 6.20 6.20 6.20 RER BOTTLE	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle approximately (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 385.6 385.3 385.3 385.3 385.4 NALYSIS AI (MH) (NWTPH	D.O. (mg/L) 0.39 0.40 0.39 0.40 LLOWED PENWTPH-G) (H-D) (NWTF	6.20 6.20 6.20 6.20 6.20 6.20 6.20 PR BOTTLE NWTPH-GX PH-DX) (TPI	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Conductive)	Cond. (uS/cm) 385.6 385.3 385.3 385.3 385.4 NALYSIS AI 0) (8020) (N H) (NWTPH ctivity) (TD:	D.O. (mg/L) 0.39 0.40 0.39 0.40 LLOWED PERWYPH-G) (M-D) (NWTF	6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (PH) (Conduction) (TOO	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI 0) (8020) (N H) (NWTPI ettivity) (TD:	D.O. (mg/L) 0.39 0.40 0.39 0.40 1.40 0.40 0.59 0.40 1.40 0.40 0.59 0.40	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-Gx; PH-Dx) (TPF	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Too	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI 0) (8020) (N H) (NWTPI citivity) (TDi c) (Total PO- e) (WAD Cy	D.O. (mg/L) 0.39 0.40 0.39 0.40 LLOWED PENWTPH-G) (H-D) (NWTF	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX; PH-DX) (TPH GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (a) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (e	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPI (ctivity) (TD(c)) (Total PO-ce) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.39 0.40 0.40 0.40 LLOWED PERWITPH-G) (M-D) (NWTF) S) (TSS) (B) 4) (Total Kieler (Vanide) (Freel Ba) (Be) (Called Called Cal	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPHetivity) (TD: (Total PO- e) (WAD Cy (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.39 0.40 0.40 0.40 LLOWED PERWITPH-G) (M-D) (NWTF) S) (TSS) (B) 4) (Total Kieler (Vanide) (Freel Ba) (Be) (Called Called Cal	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPHetivity) (TD: (Total PO- e) (WAD Cy (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPH ctivity) (TD: (Total PO- e) (WAD Cy) (As) (Sb) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPH ctivity) (TD: (Total PO- e) (WAD Cy) (As) (Sb) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPH ctivity) (TD: (Total PO- e) (WAD Cy) (As) (Sb) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPH ctivity) (TD: (Total PO- e) (WAD Cy) (As) (Sb) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPH ctivity) (TD: (Total PO- e) (WAD Cy) (As) (Sb) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.0 21.0 21.0 21.0 21.0 21.0 (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 385.6 385.3 385.3 385.4 NALYSIS AI (NWTPH ctivity) (TD: (Total PO- e) (WAD Cy) (As) (Sb) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.39 0.40 0.40 0.39 0.40 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.20 6.20 6.20 6.20 6.20 6.20 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 79.4 79.2 79.1 78.9 79.2 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 11/2020@1	NA		
Sample Nun	nber:	RGW010S-	200811		Weather:	INDOORS			
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/P	URGE DATA							
Well Condition		Secure (YES)	Damaged (N	IO)	Describe:	FLUSH		
DTW Before	Purging (ft)	4.87	Time:	-	Flow through ce	ll vol.		GW Meter No.(s	s SLOPE 10
	Date/Time:			End Purge:	-	8/ 11 /2020 @	NA	Gallons Purged:	
Purge water of			55-gal Drum		Storage Tank	Ground	Other		
	•		•	_			DEW		6
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	` /	,	n of Paramet		consecutive read	lings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
	_								
	\mathbf{W}_{A}	ATER	LEV	EL O	NLY				
-	-						-		
							-		
SAMPLE CO	DLLECTION I	DATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type				
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Wa	sh	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Ordar)	□ 0.1	_		₩	_			
	ui Oruer)	☐ Other							
	ription (color,	₩	, sheen, etc.):	NA					
		₩	, sheen, etc.):	NA					
	ription (color,	turbidity, odor	D.O.	NA pH	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate	ription (color,	turbidity, odor			ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Desc	ription (color,	turbidity, odor	D.O.			•			
Sample Description Replicate	ription (color,	turbidity, odor	D.O.			•			
Sample Description Replicate	ription (color,	turbidity, odor	D.O.			•			
Replicate 1 2	ription (color,	turbidity, odor	D.O.			•			
Replicate 1 2 3 4	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН	(mV)	(NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0!	turbidity, odor Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	pH #DIV/0!	(mV)	(NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) #DIV/0!	turbidity, odor Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	pH #DIV/0! ER BOTTLE	#DIV/0!	(NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0! TYPICAL A (8260) (801)	#DIV/0! NALYSIS AI (0) (8020) (N	#DIV/0! LLOWED PE	#DIV/0! ER BOTTLE NWTPH-Gx	#DIV/0!	#DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (801) (8270D) (P	#DIV/0! #DIV/0! **NALYSIS AI 0) (8020) (NAH) (NWTPI	#DIV/0! LLOWED PP	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI	#DIV/0! #TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA) (pH) (Condu	#DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD:	#DIV/0! #LLOWED PERMYPH-G) (M-D) (NWTF) (NWTF) (S) (TSS) (B	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI	#DIV/0! #TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (COD) (TOO	#DIV/0! **NALYSIS AI 0) (8020) (N AH) (NWTPI detivity) (TD: C) (Total PO-	#DIV/0! LLOWED PERMYTPH-G) (NWTPH-S) (TSS) (B4) (Total Kie	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (COD) (TOO	#DIV/0! #DIV/0! **NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy	#DIV/0! **LLOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi Edahl Nitroger Cyanide)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (P (pH) (Condu (COD) (Total Cyanic (Total Metals)	#DIV/0! #DIV/0! **NALYSIS AI **O) (8020) (N AH) (NWTPI **Interview (TD: C) (Total PO- de) (WAD Cy.) (As) (Sb) (#DIV/0! #DIV/0! LLOWED PE IWTPH-G) (NWTF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (P (pH) (Condu (COD) (Total Cyanic (Total Metals)	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (fetals) (As) (S)	#DIV/0! #DIV/0! LLOWED PE IWTPH-G) (NWTF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (DH) (COD) (TOO (Total Cyanic (Total Metals (Dissolved M	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (fetals) (As) (S)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (DH) (COD) (TOO (Total Cyanic (Total Metals (Dissolved M	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy do) (As) (Sb) (detals) (As) (Sb) ag short list)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (DH) (COD) (TOO (Total Cyanic (Total Metals (Dissolved M	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy do) (As) (Sb) (detals) (As) (Sb) ag short list)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (DH) (COD) (TOO (Total Cyanic (Total Metals (Dissolved M	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy do) (As) (Sb) (detals) (As) (Sb) ag short list)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy do) (As) (Sb) (detals) (As) (Sb) ag short list)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy do) (As) (Sb) (detals) (As) (Sb) ag short list)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	#DIV/0! #TYPICAL A (8260) (801) (8270D) (PA (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy do) (As) (Sb) (detals) (As) (Sb) ag short list)	#DIV/0! **LLOWED PE WTPH-G) (H-D) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (o'/NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nan	ne:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 11/2020@1	NA		
Sample Nur	nber:	RGW011D	200811		Weather:	INDOORS			
Landau Rep	resentative:	BXM			•				
WATERIE	VEL/WELL/PI	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	10)	Describe:	FLUSH		
DTW Before		4.88	Time:		Flow through ce		TEOSII	GW Meter No.(s	SI ODE 10
	Date/Time:			End Purge:	_	8/ 11 /2020 @	NA	Gallons Purged:	
		8/ 11 /2020		Ě		Ground		Canons I urged.	NA
Purge water of	iisposed to:		55-gal Drum	۳	Storage Tank	□ Ground	Other		
m·	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge Goal	(uS/cm) ls: Stablizatio	(mg/L) n of Paramet	ters for three	(mV) e consecutive read	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
	-								
	\mathbf{W}	ATER	LEV	EL O	NLY		-		
							-		
							-	. ———	-
CAMPLE CO	DLLECTION I								
Sample Colle		DATA	Bailer		Pump/Pump Type	<u> </u>			
	cted with.	_	_	4		_	— — — — — — — — — — — — — — — — — — —		
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	☐ Dedicated			
(By Numerica	al Ordor)								
		Other							
	ription (color,	₩	, sheen, etc.):	NA					
Sample Desc	ription (color,	turbidity, odor			ORP	Turbidity	DTW	Ferrous iron	Comments/
		₩	D.O. (mg/L)	NA pH	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Desc Replicate	ription (color,	turbidity, odor	D.O.			•			
Sample Desc Replicate	ription (color,	turbidity, odor	D.O.			•			
Sample Desc Replicate 1 2	ription (color,	turbidity, odor	D.O.			•			
Sample Desc Replicate	ription (color,	turbidity, odor	D.O.			•			
Sample Desc Replicate 1 2	ription (color,	turbidity, odor	D.O.			•			
Replicate 1 2 3	ription (color,	turbidity, odor	D.O.			•			
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0!	turbidity, odor Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	pH #DIV/0!	(mV)	(NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) #DIV/0!	#DIV/0!	D.O. (mg/L) #DIV/0!	pH #DIV/0! ER BOTTLE	#DIV/0!	(NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0! TYPICAL A (8260) (8010	#DIV/0! NALYSIS AI (0) (8020) (N	#DIV/0! #DIV/0! **LOWED PE	#DIV/0! ER BOTTLE NWTPH-Gx	#DIV/0! TYPE (Circle a) (BTEX)	#DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010) (8270D) (PA	#DIV/0! NALYSIS AI () (8020) (NAH) (NWTPH	#DIV/0! LOWED PP	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI	#DIV/0! #TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8014 (8270D) (P4 (pH) (Condu	#DIV/0! WALYSIS AI (0) (8020) (N AH) (NWTPH activity) (TD:	#DIV/0! LOWED PERMITH-G) (NWTF) (TSS) (TSS) (B	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI	#DIV/0! #TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	#DIV/0! **NALYSIS AI **O) (8020) (N AH) (NWTPI **netivity) (TD: **C) (Total PO-	#DIV/0! LLOWED PERMITPH-G) (NWTPH-S) (TSS) (B4) (Total Kie	#DIV/0! CR BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO	#DIV/0! #DIV/0! **NALYSIS AI **O) (8020) (N AH) (NWTPH **activity) (TD: C) (Total PO- de) (WAD Cy	#DIV/0! **LOWED PE IWTPH-G) (NWTP S) (TSS) (B 4) (Total Kie ranide) (Free	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (P4) (COD) (Total Cyanic) (Total Metals	#DIV/0! #DIV/0! NALYSIS AI (a) (8020) (N AH) (NWTPH (activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (#DIV/0! #DIV/0! **LOWED PE **IWTPH-G) (NWTF **S) (TSS) (B 4) (Total Kie **ranide) (Free **ranide) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (P4) (COD) (Total Cyanic) (Total Metals	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (fetals) (As) (S)	#DIV/0! #DIV/0! **LOWED PE **IWTPH-G) (NWTF **S) (TSS) (B 4) (Total Kie **ranide) (Free **ranide) (Ca	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8014 (8270D) (PA (DH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (fetals) (As) (S)	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTF) (MITH-G) (MITH-	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8014 (8270D) (PA (DH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI (b) (8020) (N AH) (NWTPH activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTF) (MITH-G) (MITH-	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8014 (8270D) (PA (DH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI (b) (8020) (N AH) (NWTPH activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTF) (MITH-G) (MITH-	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8014 (8270D) (PA (DH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI (b) (8020) (N AH) (NWTPH activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTF) (MITH-G) (MITH-	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (PH) (Conductor) (Total Cyanical Metals) (Dissolved M VOC (Boein Methane Ether)	#DIV/0! #DIV/0! NALYSIS AI (b) (8020) (N AH) (NWTPH activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTF) (MITH-G) (MITH-	#DIV/0! ER BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	#DIV/0! #TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth others	#DIV/0! #DIV/0! NALYSIS AI (b) (8020) (N AH) (NWTPH (civity) (TD) (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (anne Ethene Ac	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTFFS) (TSS) (B) (Total Kiewanide) (Free Ba) (Be) (Caron b) (Ba) (Be) (Caron b) (Ba) (Be) (Caron b) (Ba) (Be) (Caron b)	#DIV/0! CR BOTTLE NWTPH-Gx PH-Dx) (TPI dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	#DIV/0! #TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (P	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (Ni) b) (Mg) (Mn) (Ni)	non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) ((Ag) (Se) (Tl) (V	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth others	#DIV/0! #DIV/0! NALYSIS AI (b) (8020) (N AH) (NWTPH (civity) (TD) (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (anne Ethene Ac	#DIV/0! LOWED PERMYTH-G) (MITH-G) (NWTFFS) (TSS) (B) (Total Kiewanide) (Free Ba) (Be) (Caron b) (Ba) (Be) (Caron b) (Ba) (Be) (Caron b) (Ba) (Be) (Caron b)	#DIV/0! CR BOTTLE NWTPH-Gx PH-Dx) (TPI dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	#DIV/0! #TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (P	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) ((Ag) (Se) (Tl) (V	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 11 /2020@	1015		
Sample Num	nber:	RGW012S-	200811		Weather:	SUNNY, 60S, I	NDOOR		
Landau Repr	resentative:	BXM			•				
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES	3	Damaged (N	(0)	Describe:	FLUSH		
DTW Before		4.52	Time:	- '	Flow through ce			GW Meter No.(s	SLOPE 10
	Date/Time:			End Purge:	_	8/ 11 /2020 @	1010	Gallons Purged:	
Purge water d		0/ 11 /2020	55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
i uige water u	isposed to.		55-gai Diuiii		Storage Talik	E Ground	Other	SHE IKEAIM	ENTSTSTEM
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	, ,	(uS/cm) s: Stablizatio	(mg/L) on of Paramet	ers for three	(mV) consecutive read	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
951	21.8	583	0.36	5.94	108.5		4.52		
954	21.9	563	0.48	5.92	103.6		4.51		
957	22.0	549		5.92			4.51		
-			0.63		101.9		4.31		
1000	22.1	535	1.01	5.93	99.2				
1003	22.2	529	1.13	5.93	96.7				
1006	22.2	526	1.21	5.93	94.2				
1009	22.3	525	1.24	5.93	92.6				
SAMPLE CO	LLECTION D	DATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🗍	Tap Rinse	DI Water	Dedicated		_	
DOCUM I TOUCH									
			311 <u>U</u>	rap Kinse	□ Di watei	Bedieuted			
(By Numerica	l Order)	Other			<u> </u>	_	I, LIGHT FINES		
(By Numerica	l Order)	Other			<u> </u>	DOOR, NO SHEEN	I, LIGHT FINES	1	
(By Numerica	l Order)	Other			<u> </u>	_	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
(By Numerical Sample Description	ription (color, t	Other turbidity, odor	D.O.	CLEAR, CO	LORLESS, NO C	DDOR, NO SHEEN	DTW	Ferrous iron	
(By Numerical Sample Described Replicate	ription (color, some of the color) Temp (°F/°C)	Other turbidity, odor Cond. (uS/cm)	D.O. (mg/L)	CLEAR, CO	ORP (mV)	DDOR, NO SHEEN	DTW	Ferrous iron	
(By Numerical Sample Described Replicate 1 2	Temp (°F/°C) 22.3	Other turbidity, odor Cond. (uS/cm) 525 525	D.O. (mg/L) 1.23	CLEAR, CO pH 5.93 5.93	ORP (mV) 92.3 92.0	DDOR, NO SHEEN	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 22.3 22.4	Cond. (uS/cm) 525 524	D.O. (mg/L) 1.23 1.22	DH 5.93 5.93 5.93	ORP (mV) 92.3 92.0 91.8	DDOR, NO SHEEN	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 22.3 22.4 22.3	Other turbidity, odor Cond. (uS/cm) 525 525 524	D.O. (mg/L) 1.23 1.22 1.25	CLEAR, CO pH 5.93 5.93 5.93 5.93	ORP (mV) 92.3 92.0 91.8	DDOR, NO SHEEN	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 22.3 22.4	Cond. (uS/cm) 525 524	D.O. (mg/L) 1.23 1.22	DH 5.93 5.93 5.93	ORP (mV) 92.3 92.0 91.8	DDOR, NO SHEEN	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 TYPICAL A	Other turbidity, odor Cond. (uS/cm) 525 525 524 524 525 NALYSIS Al	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PE	CLEAR, CO pH 5.93 5.93 5.93 5.93 5.93 6.88 BOTTLE	ORP (mV) 92.3 92.0 91.8 91.6 91.9	DDOR, NO SHEEN	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 TYPICAL A (8260) (8010	Other turbidity, odor Cond. (uS/cm) 525 524 524 525 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PERMYTPH-G) (CLEAR, CO pH 5.93 5.93 5.93 5.93 5.93 ER BOTTLE NWTPH-GX	OLORLESS, NO COORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aport (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 TYPICAL A (8260) (8010) (8270D) (PA	Other turbidity, odor (uS/cm) 525 525 524 524 525 NALYSIS AI O) (8020) (Nath) (NWTPI	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTF	5.93 5.93 5.93 5.93 5.93 8.R BOTTLE NWTPH-GX;PH-Dx) (TPI	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Other turbidity, odor (uS/cm) 525 525 524 524 525 NALYSIS AI (WWTPHetrivity) (TD)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTF	5.93 5.93 5.93 5.93 5.93 6.R BOTTLE NWTPH-GX;PH-Dx) (Turbic	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity)	Turbidity (NTU) pplicable or write to the second control of the s	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 525 524 524 524 525 NALYSIS AI 0) (8020) (N CH) (NWTPF lectivity) (TD: C) (Total PO-	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTF	5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-GX; PH-DX) (TPI	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write to the second control of the s	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.4 22.3 TYPICAL A (8260) (8016 (8270D) (PA (COD) (Tool (COD))	Cond. (uS/cm) 525 525 524 524 525 NALYSIS AI 0) (8020) (N H) (NWTPH tetivity) (TD: C) (Total PO- le) (WAD Cy	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PENTPH-G) (M-D) (NWTF S) (TSS) (B4) (Total Kievanide) (Free	pH 5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx, PH-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity a) (NH3) (NO3)	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (67NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O NO2) (F)	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.4 22.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Other turbidity, odor Cond. (uS/cm) 525 524 524 525 NALYSIS AI () (8020) (N (H) (NWTPI (ctivity) (TD(C)) (Total PO- (e) (WAD Cy () (As) (Sb) (D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.4 22.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 525 524 524 525 NALYSIS AI () (8020) (N H) (NWTPF () (Total PO- (e) (WAD Cy) (As) (Sb) (cetals) (As) (Sl)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 22.4 22.3 22.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 524 524 525 NALYSIS AI () (8020) (N H) (NWTPF () (Total PO- (e) (WAD Cy) (As) (Sb) (cetals) (As) (Sl)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 22.4 22.3 22.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 525 524 524 522 NALYSIS AI (0) (8020) (N (1H) (NWTPF (1ctivity) (TD(C)) (Total PO- (1e) (WAD C) (1) (As) (Sb) (etals) (As) (St) (g short list)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.3 22.4 22.3 22.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 525 524 524 522 NALYSIS AI (0) (8020) (N (1H) (NWTPF (1ctivity) (TD(C)) (Total PO- (1e) (WAD C) (1) (As) (Sb) (etals) (As) (St) (g short list)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.3 22.4 22.3 22.3 22.4 22.3 22.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 525 524 524 522 NALYSIS AI (0) (8020) (N (1H) (NWTPF (1ctivity) (TD(C)) (Total PO- (1e) (WAD C) (1) (As) (Sb) (etals) (As) (St) (g short list)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.3 22.4 22.3 22.4 22.3 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 525 525 524 524 522 NALYSIS AI (0) (8020) (N (1H) (NWTPF (1ctivity) (TD(C)) (Total PO- (1e) (WAD C) (1) (As) (Sb) (etals) (As) (St) (g short list)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.3 22.4 22.3 22.4 22.3 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 525 525 524 524 522 NALYSIS AI (0) (8020) (N (1H) (NWTPF (1ctivity) (TD(C)) (Total PO- (1e) (WAD C) (1) (As) (Sb) (etals) (As) (St) (g short list)	D.O. (mg/L) 1.23 1.22 1.25 1.24 1.24 1.24 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (5.93 5.93 5.93 5.93 5.93 CR BOTTLE NWTPH-Gx: PH-Dx) (TPI OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 92.3 92.0 91.8 91.6 91.9 TYPE (Circle aportion (Circle (Circle aportion (Circle (Circle (Circle aportion (Circle	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (G /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F) T1) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 11/2020@	915		
Sample Nun	nber:	RGW014S-	200811		Weather:	OVERCAST, 60	S, INDOOR		
Landau Rep	resentative:	BXM							
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:	FLUSH		
		4.56	Time:				TEOSII	GW Motor No. (c	SLODE 10
DTW Before				End Purge:	_	8/ 11 /2020 @	012	GW Meter No.(s	
	Date/Time:		849					Gallons Purged:	•
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENISYSIEM
an:	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm) ls: Stablizatio	(mg/L) n of Paramet	ers for three	(mV)	(NTU) lings within the fo	(ft) Howing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
852	20.7	455.8	0.74	7.07	56.3		4.64		
855	20.9	456.0	0.71	6.66	66.7	-	4.64		
							-		
858	21.0	454.0	0.76	6.26	89.8		4.63		
901	21.1	450.9	0.93	6.18	93.8		4.63		
904	21.2	448.4	1.06	6.15	94.3				
907	21.2	446.9	1.10	6.14	92.2				
910	21.3	446.3	1.14	6.14	91.5		-		
710	21.3		1.14	0.14	71.5				-
CANDIE CO	LICTION								
	LLECTION D		Bailer		Dump/Dump Type	DIADDED			
Sample Colle	cted with:		_		Pump/Pump Type	_		D. F. 4. 1	
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl ()rder)								
, ,	,	Other							
	,	—	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	I, ORANGE SOI	LIDS	
Sample Descr	ription (color,	turbidity, odor	· -						Comments
	,	—	D.O. (mg/L)	CLEAR, CO	ORP	DOOR, NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.14	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C) 21.2 21.3	Cond. (uS/cm) 446.4 445.8	D.O. (mg/L) 1.12	pH 6.14 6.14	ORP (mV) 91.2 90.7	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.14	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 21.2 21.3	Cond. (uS/cm) 446.4 445.8	D.O. (mg/L) 1.12	pH 6.14 6.14	ORP (mV) 91.2 90.7	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 21.2 21.3 21.3	Cond. (uS/cm) 446.4 445.8 445.6	D.O. (mg/L) 1.12 1.14	pH 6.14 6.14 6.15	ORP (mV) 91.2 90.7 90.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.3 21.3 21.3	Cond. (uS/cm) 446.4 445.8 445.6 445.5	D.O. (mg/L) 1.12 1.14 1.13 1.13	6.14 6.14 6.15 6.15	ORP (mV) 91.2 90.7 90.2 89.7 90.5	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.3 21.3 21.3 TYPICAL A	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PR	6.14 6.14 6.15 6.15 6.15 CR BOTTLE	91.2 90.7 90.2 89.7 90.5	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 (8260) (8010	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI	D.O. (mg/L) 1.12 1.14 1.14 1.13 1.13 LOWED PE	6.14 6.14 6.15 6.15 6.15 REPUTLE	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PE WTPH-G) (NWTF	6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX)	91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conductive)	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.12 1.14 1.13 1.13 1.10 LOWED PE WTPH-G) (M-D) (NWTF	6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Conduction) (Too	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI (2) (8020) (N (3) (NWTPH (4) (NWTPH (4) (TDS) (5) (Total PO4	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PERMYPH-G) (MI-D) (NWTPH-G) (MI-D) (M	6.14 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx) PH-Dx) (TPPI OD) (Turbio dahl Nitroger	91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Too	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PF WTPH-G) (NWTP S) (TSS) (B D) (Total Kie anide) (Free	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (67/NO2)	non-standard a	Ferrous iron (Fe II) nalysis below) WA WA ONE WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI (ii) (8020) (N iii) (NWTPHactivity) (TDS (iii) (Total PO4) (iii) (WAD Cy (iii) (As) (Sb) (iii)	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PE (WTPH-G) (NWTP (S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (Setals) (Ss) (Sb)	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PE (WTPH-G) (NWTP (S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (Setals) (Ss) (Sb)	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PERMITH-G) (MITH-G) (NWTPH-G) (NWTPH-G) (MITH-G) (pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PERMITH-G) (MITH-G) (NWTPH-G) (NWTPH-G) (MITH-G) (pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PERMITH-G) (MITH-G) (NWTPH-G) (NWTPH-G) (MITH-G) (pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) h) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PERMITH-G) (MITH-G) (NWTPH-G) (NWTPH-G) (MITH-G) (pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) h) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI O) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) g short list) lane Ethene Ac	D.O. (mg/L) 1.12 1.14 1.13 1.13 1.13 1.10	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) h) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate Sar	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI O) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) g short list) lane Ethene Ac	D.O. (mg/L) 1.12 1.14 1.13 1.13 LOWED PERMITH-G) (MITH-G) (NWTPH-G) (NWTPH-G) (MITH-G) (pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) h) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.3 21.3 21.3 21.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 446.4 445.8 445.6 445.5 445.8 NALYSIS AI O) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) g short list) lane Ethene Ac	D.O. (mg/L) 1.12 1.14 1.13 1.13 1.13 1.10	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX) PH-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.7 90.2 89.7 90.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) h) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 11 /2020@	800		
Sample Nun	nber:	RGWDUP4	200811		Weather:	OVERCAST, 60	S, INDOOR		
Landau Rep	resentative:	BXM							
WATEDIEV	VEL/WELL/PU	IDGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:	ELUCH		
		` '		- '			гьозп		CL OPE 10
DTW Before		4.54	Time:	844	-			GW Meter No.(
		8/ 11 /2020	849	End Purge:		8/ 11 /2020 @		Gallons Purged:	
Purge water of	disposed to:		55-gal Drum	Ш	Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
						TT0 4 4 G			
	<u> </u>	DUI	PLICA	ATE T	O RGV	W014S			
	· ———						-		
						-			
	- ·								
CAMPIE CO	N. I. ECTION F								
	OLLECTION I		D. 'I		D/DT	DIADDED			
Sample Colle	cted with:		Bailer		Pump/Pump Type	_		— D U · · ·	
Made of:	Ų	Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Oudou)								
(-)	u Oraer)	Other							
		-	, sheen, etc.):	CLEAR, CC	LORLESS, NO	DDOR, NO SHEEN	I, ORANGE SO	LIDS	
		-	, sheen, etc.):	CLEAR, CC	LORLESS, NO	DOR, NO SHEEN	J, ORANGE SO	LIDS	
	ription (color,	turbidity, odor	D.O.	CLEAR, CC	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descri	ription (color,	turbidity, odor							Comments/ Observations
Sample Descri	ription (color,	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 21.3 21.3	Cond. (uS/cm) 446.0	D.O. (mg/L) 1.14	pH 6.14 6.14	ORP (mV) 90.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 21.3 21.3 21.3	Cond. (uS/cm) 446.0 445.8 445.6	D.O. (mg/L) 1.14 1.12	pH 6.14 6.14 6.15	ORP (mV) 90.9 90.4 90.0	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 21.3 21.3	Cond. (uS/cm) 446.0	D.O. (mg/L) 1.14	pH 6.14 6.14	ORP (mV) 90.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 21.3 21.3 21.3	Cond. (uS/cm) 446.0 445.8 445.6	D.O. (mg/L) 1.14 1.12	pH 6.14 6.14 6.15	ORP (mV) 90.9 90.4 90.0	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3	Cond. (uS/cm) 446.0 445.8 445.6 445.4	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14	pH 6.14 6.15 6.15 6.15	ORP (mV) 90.9 90.4 90.0 89.4 90.2	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE	pH 6.14 6.15 6.15 6.15 6.15	ORP (mV) 90.9 90.4 90.0 89.4 90.2	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE	6.14 6.15 6.15 6.15 CR BOTTLE	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (NWTP	6.14 6.15 6.15 6.15 6.15 ER BOTTLE NWTPH-GX PH-Dx) (TPI	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 (TYPICAL A (8260) (8010) (8270D) (PA (PH) (Conduction)	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (I-D) (NWTP S) (TSS) (B	6.14 6.15 6.15 6.15 6.15 ER BOTTLE NWTPH-Gx PH-Dx) (TPI	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI (2) (8020) (N (34) (NWTPF (44) (NWTPF (44) (NWTPF (44) (NWTPF (44) (NTPF (44) (NTP	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (I-D) (NWTP S) (TSS) (B	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx PH-Dx) (TPI GOD) (Turbidahl Nitroger	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Too	Cond. (uS/cm) 446.0 445.8 445.6 445.7 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS c) (Total PO4 de) (WAD Cy	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (NWTP G) (TSS) (B H) (Total Kie anide) (Free	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-Dx) (TPI GOD) (Turbi dahl Nitroger Cyanide)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity and (NH3) (NO3)	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2)	non-standard a	Ferrous iron (Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Todal Cyanid (Total Metals)	Cond. (uS/cm) 446.0 445.8 445.6 445.7 NALYSIS AI (D) (8020) (N AH) (NWTPHetivity) (TDS (C) (Total PO4) (le) (WAD Cy () (As) (Sb) (S	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (NWTP S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (Setals)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (NWTP S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (g short list)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (M-D) (NWTPH-G) (M-D) (M	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (Setals)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (M-D) (NWTPH-G) (M-D) (M	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (g short list)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (M-D) (NWTPH-G) (M-D) (M	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (Section 1) (Typical A (8260) (8010) (8270D) (PA (PH) (Conduction Conduction Con	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (g short list)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (M-D) (NWTPH-G) (M-D) (M	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 21.3 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (g short list)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LOWED PE WTPH-G) (M-D) (NWTPH-G) (M-D) (M	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (Section 1) (Typical A (8260) (8010) (8270D) (PA (PH) (Conduction Conduction Con	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI O) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) g short list) lane Ethene Ac	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LLOWED PE WTPH-G) (NWTP S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca c) (Ba) (Be) (Ca cetylene	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate Sar	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (Section 1) (Typical A (8260) (8010) (8270D) (PA (PH) (Conduction Conduction Con	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI (D) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (g short list)	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LLOWED PE WTPH-G) (NWTP S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca c) (Ba) (Be) (Ca cetylene	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.3 21.3 21.3 21.3 21.3 21.3 (Section 1) (Typical A (8260) (8010) (8270D) (PA (PH) (Conduction Conduction Con	Cond. (uS/cm) 446.0 445.8 445.6 445.4 445.7 NALYSIS AI O) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) g short list) lane Ethene Ac	D.O. (mg/L) 1.14 1.12 1.13 1.16 1.14 LLOWED PE WTPH-G) (NWTP S) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca c) (Ba) (Be) (Ca cetylene	pH 6.14 6.15 6.15 6.15 CR BOTTLE NWTPH-GX PH-DX) (TPI COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 90.9 90.4 90.0 89.4 90.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity h) (NH3) (NO3	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	iton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 11 /2020@	1155		
Sample Num	ber:	RGW147S-	200811		Weather:	SUNNY, 70S			
Landau Repr	esentative:	BXM			•				
WATER LEV	EL/WELL/PI	IRGE DATA							
Well Conditio		Secure (YES	5)	Damaged (N	O)	Describe:	FLUSH		
DTW Before I	Purging (ft)	4.17	Time:	- '	Flow through ce			GW Meter No.(s	SLOPE 10
Begin Purge:	0 0 0			End Purge:	_	8/ 11 /2020 @	1151	Gallons Purged:	
Purge water di			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
8	•		-			_	_	-	
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	` /	. ,	` 0 /	ers for three	· /	lings within the fo		>/= 1 flow	o boer various
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1132	21.1	61.5	0.69	5.78	122.8		4.17		
1135	21.5	63.0	0.67	5.66	127.4		4.17		
1138	21.5	64.0	0.60	5.59	127.4		4.17		
1141	21.5	64.4	0.58	5.58	129.3				
1144	21.9	65.6	0.54	5.57	127.0	-			
					-	-			
1147	22.0	67.0	0.51	5.56	125.4		· 		
1150	22.2	67.5	0.48	5.57	124.9		_		
SAMPLE CO									
Sample Collec	eted With:		Bailer	_	Pump/Pump Type	_		_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerical									
(Dy Numerical	l Order)	Other					•		
, •		_	r, sheen, etc.):	CLEAR, CO	LORLESS, NO	DOR, NO SHEEN	I, BROWN SOL	IDS	
Sample Descri	iption (color,	turbidity, odor	· · · /_	·	•				Comments/
, •		_	D.O. (mg/L)	CLEAR, CO	ORP (mV)	DDOR, NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	iption (color, t	turbidity, odor	D.O.	·	ORP	Turbidity	DTW	Ferrous iron	
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 5.57	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 22.2	Cond. (uS/cm) 67.6	D.O. (mg/L) 0.49	pH 5.57 5.57	ORP (mV) 124.6 124.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 22.2 22.2 22.2	Cond. (uS/cm) 67.6 67.8	D.O. (mg/L) 0.49 0.47	pH 5.57 5.57 5.57	ORP (mV) 124.6 124.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 22.2 22.2 22.2	Cond. (uS/cm) 67.6 67.8 68.0	D.O. (mg/L) 0.49 0.47 0.46 0.48	pH 5.57 5.57 5.57 5.57	ORP (mV) 124.6 124.3 124.7	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 22.2 22.2 22.2	Cond. (uS/cm) 67.6 67.8	D.O. (mg/L) 0.49 0.47	pH 5.57 5.57 5.57	ORP (mV) 124.6 124.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.2 22.2 22.1 22.2	Cond. (uS/cm) 67.6 67.7 67.8 68.0	D.O. (mg/L) 0.49 0.47 0.46 0.48	pH 5.57 5.57 5.57 5.57 5.57	ORP (mV) 124.6 124.3 124.7 124.7	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.2 22.2 22.1 22.2	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48	5.57 5.57 5.57 5.57 5.57 5.57	ORP (mV) 124.6 124.3 124.7 124.7 124.6 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.2 22.2 22.1 22.2 TYPICAL A (8260) (8010	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (H-D) (NWTF	5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX;	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) I-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI (b) (8020) (N CH) (NWTPF lettivity) (TD)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (H-D) (NWTP	5.57 5.57 5.57 5.57 5.57 6.R BOTTLE NWTPH-GX PH-Dx) (TPF	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conduction))	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N CH) (NWTPI cetivity) (TD:	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-Gx; PH-Dx) (TPI OD) (Turbidahl Nitroger	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) I-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENTTH-G) (H-D) (NWTF S) (TSS) (B4) (Total Kievanide) (Freevanide) (Freevanide)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (67)	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA O NO2) (F)	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conducted) (Total Cyanida (Total Metals)	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI D) (8020) (N CH) (NWTPF lectivity) (TDd C) (Total PO- le) (WAD Cy l) (As) (Sb) (D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (NWTPH-G) (H-D) (Total Kielyanide) (Freel Ba) (Be) (Called Called	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conducted) (Total Cyanida (Total Metals)	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI (b) (8020) (N AH) (NWTPH tetivity) (TD: (c) (Total PO- (c) (WAD Cy (dAs) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (NWTPH-G) (H-D) (Total Kielyanide) (Freel Ba) (Be) (Called Called	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI (b) (8020) (N AH) (NWTPH tetivity) (TD: (c) (Total PO- (c) (WAD Cy (dAs) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (setals) (As) (Sl g short list)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (setals) (As) (Sl g short list)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (setals) (As) (Sl g short list)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (setals) (As) (Sl g short list)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sam	Temp (°F/°C) 22.2 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (setals) (As) (Sl g short list)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((/NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.2 22.2 22.1 22.2 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 67.6 67.7 67.8 68.0 67.8 NALYSIS AI 0) (8020) (N H) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (setals) (As) (Sl g short list)	D.O. (mg/L) 0.49 0.47 0.46 0.48 0.48 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Free Manide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	5.57 5.57 5.57 5.57 5.57 5.57 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide) (a) (Cd) (Co)	ORP (mV) 124.6 124.3 124.7 124.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e //NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 11 /2020@	1245		
Sample Nun	nber:	RGW150S-	200811		Weather:	SUNNY, 70S			
Landau Repr	resentative:	BXM			•				
WATER LEV	/EL/WELL/PI	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	FLUSH		
DTW Before		4.58	Time:	-	Flow through ce			GW Meter No.(s	s SLOPE 10
	Date/Time:			End Purge:	_	8/ 11 /2020 @	. 1244	Gallons Purged:	
Purge water d		8/11 /2020	55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	-
i uige water u	nsposed to.		55-gai Dium		Storage Tank	□ Ground	Other	SITE TREATM	LIVI SISILIVI
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP (mV)	Turbidity	DTW	Internal Purge	Comments/
Time		(uS/cm) ls: Stablizatio	(mg/L) on of Paramet	ters for three	. ,	(NTU) lings within the fo	(ft) ollowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1225	20.1	381.6	0.29	6.23	87.7		4.58		
1228	20.4	380.7	0.31	6.24	85.3		4.58		
1231	20.9	381.0	0.34	6.25	82.1		4.58	·	
1234	21.7	383.0	0.33	6.27	78.7				
								-	
SAMPLE CO	LLECTION I)ATA							
Sample Colle			Bailer		Pump/Pump Type	RI ADDER			
Made of:	cica wini.	Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
	. —				₩		□ Omer	Dedicated	
Decon Proced		Alconox Wa	sh 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica									
, -		Other	1	CLEAR CO	LODI EGG NO	NOOD NO CHEEN			
		-	r, sheen, etc.):	CLEAR, CO	LORLESS, NO	DOR, NO SHEEN	1		
, -		-	D.O. (mg/L)	CLEAR, CO	ORP	DOOR, NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 383.9	D.O. (mg/L)	рН 6.27	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 21.9 22.0	Cond. (uS/cm) 383.9	D.O. (mg/L) 0.35 0.34	pH 6.27 6.27	ORP (mV) 78.3 77.9	Turbidity	DTW		
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 383.9	D.O. (mg/L)	рН 6.27	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 21.9 22.0	Cond. (uS/cm) 383.9	D.O. (mg/L) 0.35 0.34	pH 6.27 6.27	ORP (mV) 78.3 77.9	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 21.9 22.0 21.9	Cond. (uS/cm) 383.9 384.3 384.4	D.O. (mg/L) 0.35 0.34	6.27 6.27 6.27	ORP (mV) 78.3 77.9	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0	Cond. (uS/cm) 383.9 384.3 384.4 384.5	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34	6.27 6.27 6.27 6.28 6.27	ORP (mV) 78.3 77.9 77.5 77.1	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 ULLOWED PE	6.27 6.27 6.27 6.28 6.27	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle a)	Turbidity	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.5 384.3 NALYSIS AI	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 LLOWED PF	6.27 6.27 6.27 6.28 6.27 CR BOTTLE NWTPH-Gx	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle aport) (BTEX)	Turbidity (NTU)	DTW (ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.35 0.34 0.34 0.34 LLOWED PP	6.27 6.27 6.28 6.27 ER BOTTLE NWTPH-GX)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU)	DTW (ft) non-standard a	(Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD:	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 LLOWED PERWYPH-G) (M-D) (NWTH-S) (TSS) (E	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-Gx PH-Dx) (TPH-GD) (Turbic	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (DTW (ft) non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conduction))	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD:	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 LLOWED PENWTPH-G) (M-D) (NWTF	6.27 6.27 6.28 6.27 6.28 6.27 CR BOTTLE NWTPH-Gx) PH-Dx) (TPF	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (DTW (ft) non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TD) (C) (Total PO-	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 LLOWED PF WTPH-G) (NWTP S) (TSS) (E 4) (Total Kie (ranide) (Free	6.27 6.27 6.28 6.27 6.28 6.27 CR BOTTLE NWTPH-Gx) PH-Dx) (TPH-Gx) GDD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (MH3) (NO3)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (non-standard and irrease)	malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 383.9 384.4 384.5 384.3 NALYSIS AI 0) (8020) (NAH) (NWTPH lectivity) (TD: C) (Total POde) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 LLOWED PF WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (NWTPHetivity) (TD: (C) (Total POde) (WAD Cy) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 LLOWED PF WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (NWTPHetivity) (TD: (C) (Total POde) (WAD Cy) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate Sar	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (VNO2) (Pb) (Mg) (Mn) (non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.9 22.0 21.9 22.2 22.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 383.9 384.3 384.4 384.5 384.3 NALYSIS AI (0) (8020) (N AH) (NWTPH (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.35 0.34 0.34 0.34 0.34 CLLOWED PENTTH-G) (NWTF SS) (TSS) (Ed) (Total Kie vanide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.27 6.27 6.28 6.27 6.28 6.27 ER BOTTLE NWTPH-GX) PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 78.3 77.9 77.5 77.1 77.7 TYPE (Circle all (BTEX) H-HCID) (8081) dity) (Alkalinity all (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (V (NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard and irease) CI) (SO4) (NO	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e <u>:</u>	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/11 /2020@	1320		
Sample Num	ıber:	RGW253I-	200811		Weather:	SUNNY, 70S			
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES	5)	Damaged (N	O)	Describe:	FLUSH		
DTW Before I	Purging (ft)	4.48	Time:	1252	Flow through ce	ll vol.		GW Meter No.(s	s SLOPE 10
Begin Purge:	Date/Time:	8/ 11 /2020	1255	End Purge:	Date/Time:	8/ 11 /2020 @	317	Gallons Purged:	< 1
Purge water di	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Tr	C 1	D.O.		ODD	T1:124-	DTW	I	Commental
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1258	19.1	366.9	0.25	6.40	79.2		4.48		
1301	19.9	370.1	0.25	6.37	77.6		4.48		
1304	21.1	385.9	0.22	6.36	71.7		4.48		
1307	21.5	391.1	0.22	6.38	68.7				
1310	21.6	393.2	0.23	6.39	66.4				
1310	21.0	373.2	0.23	0.57	00.4	-			-
						-			
								·	
SAMPLE CO									
Sample Collec	cted With:		Bailer	_	Pump/Pump Type				
Made of:	Ų	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerical		Other							
. •		_	r, sheen, etc.):	SLIGHTLY	CLOUDY, COLO	ORLESS, SOME D	ARK FINES, N	O SHEEN, NO O	DOR
Sample Descri	iption (color,	_					ARK FINES, NO		
. •		turbidity, odor	D.O. (mg/L)	SLIGHTLY pH	CLOUDY, COLO	DRLESS, SOME D Turbidity (NTU)		Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 21.6	Cond. (uS/cm) 393.9	D.O. (mg/L) 0.22 0.24	pH 6.39 6.39	ORP (mV) 65.4	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 21.6 21.7	Cond. (uS/cm) 393.9 394.6 394.8	D.O. (mg/L) 0.22 0.24	pH 6.39 6.39 6.40	ORP (mV) 65.4 65.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4	Temp (°F/°C) 21.6 21.7 21.7	Cond. (uS/cm) 393.9 394.6 394.8 395.2	D.O. (mg/L) 0.22 0.24 0.23	pH 6.39 6.39 6.40 6.40	ORP (mV) 65.4 65.1 64.9	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 21.6 21.7	Cond. (uS/cm) 393.9 394.6 394.8	D.O. (mg/L) 0.22 0.24	pH 6.39 6.39 6.40	ORP (mV) 65.4 65.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.7 21.7 21.7	Cond. (uS/cm) 393.9 394.6 394.8 395.2	D.O. (mg/L) 0.22 0.24 0.23 0.23	6.39 6.39 6.40 6.40	ORP (mV) 65.4 65.1 64.9 64.2	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6	D.O. (mg/L) 0.22 0.24 0.23 0.23	6.39 6.39 6.40 6.40 6.40	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI (WH) (NWTPI	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PERWYPH-G) (M-D) (NWTF	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI (b) (8020) (N AH) (NWTPH tetivity) (TD:	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENWTPH-G) (M-D) (NWTP	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA(PH) (Conduction) (COD) (TOO)	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N CH) (NWTPI Colority) (TDc) (Total PO-	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENWTPH-G) (H-D) (NWTF	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-Gx; PH-Dx) (TPFI OD) (Turbidahl Nitroger	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Too (Total Cyanida))	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI 0) (8020) (N CH) (NWTPI clictivity) (TD: C) (Total PO- e) (WAD Cy	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENWTPH-G) (H-D) (NWTF S) (TSS) (B 4) (Total Kie vanide) (Free	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX; PH-DX) (TPH OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (0/NO2)	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI (WMD C) (Total PO- le) (WAD C) (As) (Sb) (D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PERMYPH-G) (M-D) (NWTF S) (TSS) (B4) (Total Kiewanide) (Free Ba) (Be) (Ca	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () () (As) (Sb) ((etals) (As) (Sb)	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PERMYPH-G) (M-D) (NWTF S) (TSS) (B4) (Total Kiewanide) (Free Ba) (Be) (Ca	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () () (As) (Sb) ((etals) (As) (Sb)	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (Set () (St) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (Set () (St) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (Set () (St) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (Set () (St) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sam	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (Set () (St) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.7 21.7 21.7 21.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 393.9 394.6 394.8 395.2 394.6 NALYSIS AI () (8020) (N () (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (Set () (St) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss	D.O. (mg/L) 0.22 0.24 0.23 0.23 0.23 LLOWED PENTPH-G) (M-D) (NWTFH-G) (M-D)	6.39 6.39 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-DX) (TPH OD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 65.4 65.1 64.9 64.2 64.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3.	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		August 2020	0		Date/Time:	8/10/2020@	1001		
Sample Nun	nber:	RGW235I-	200810		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	7.67	Time:	925	Flow through ce	ll vol.		GW Meter No.(s 1
Begin Purge:	Date/Time:	8/10/2020 @	929	End Purge:	Date/Time:	8/10/2020 @	949	Gallons Purged:	0.25
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
Time	, ,	. ,		ters for three	· /	lings within the fol		>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
932	20.1	163.6	0.37	6.37	12.9		7.69		
935	20.4	165.9	0.48	6.35	12.2		7.69		
938	20.7	167.0	0.81	6.33	11.7		7.69		
941	21.2	169.4	0.93	6.27	10.6				
944		169.6	0.83	6.23	11.6				
947		169.5	0.82		10.8				
-				6.17					
949	21.6	170.8	0.96	6.16	10.2				
C L D FD F CC	VI ECTION E								
Sample Colle	OLLECTION I		Bailer		Dumn/Dumn Tyrne	DED. BLADDER			
Made of:	cted with.	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	411ra:	Alconox Was		Tap Rinse	DI Water	Dedicated	□ ouici	Dedicated	
(By Numerica		Other	»ı <u> </u>	rap Kilise	DI Water	Dedicated			
(By Trumerica	ii Oracij								
Sample Descr	rintion (color	turbidity odor	sheen etc.)	NO COLOR	LOW TURB N	O/NS			
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	NO COLOR	ORP (mV)	O/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.16	ORP (mV)	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.6 21.6	Cond. (uS/cm) 170.9 170.9	D.O. (mg/L) 0.99 1.00	pH 6.16 6.16	ORP (mV) 10.2	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.6 21.6 21.6 21.7	Cond. (uS/cm) 170.9 170.9 171.1 171.2	D.O. (mg/L) 0.99 1.00 1.09	pH 6.16 6.16 6.16 6.16	ORP (mV) 10.2 10.1 10.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0	D.O. (mg/L) 0.99 1.00 1.09 1.05	6.16 6.16 6.16 6.16 6.16	ORP (mV) 10.2 10.1 10.1 10.0 10.1	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0	D.O. (mg/L) 0.99 1.00 1.05 1.03	pH 6.16 6.16 6.16 6.16 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM)	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PF 0) (NWTPH-	6.16 6.16 6.16 6.16 6.16 6.17 6.19 6.19 6.19 6.19 6.19 6.19 6.19 6.19	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write i	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPE	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PR 0) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D)	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PF 0) (NWTPH-H-D) (NWTFH-S) (TSS) (E	6.16 6.16 6.16 6.16 6.16 6.17 ER BOTTLE G) (NWTPP PH-Dx) (TPP	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 ER BOTTLE G) (NWTPH PH-Dx) (TPI BOD) (Turbi otal Kiedahl N	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (Tool (COD) (Tool (Total Cyanic	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PP 0) (NWTPH-H-D) (NWTH-H-D) (NWTH-H-D	6.16 6.16 6.16 6.16 6.16 CER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N C Cyanide)	ORP (mV) 10.2 10.1 10.1 10.0 10.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write in (8141) (Oil & Gill) (HCO3/CO3) (Cill)	non-standard a	nalysis below) WA WA ONE WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PF 0) (NWTPH-H-D) (NWTH-S) (TSS) (Estal PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Total PO4) (Free PBa) (Be) (Call PO4) (Call PO4) (Total PO4) (Tota	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.6 21.6 21.6 21.7 21.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 170.9 170.9 171.1 171.2 171.0 NALYSIS AI (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.99 1.00 1.09 1.05 1.03 LOWED PI 0) (NWTPH-I-D) (NWTH-I-D) (NWTH-I-D	6.16 6.16 6.16 6.16 6.16 6.17 6.16 6.16	ORP (mV) 10.2 10.1 10.0 10.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 12 /2020@	1225		
Sample Num	nber:	RGW176S-	200812		Weather:	OVERCAST, 60)S		
Landau Repr	resentative:	BXM			•				
WATER LEV	EL/WELL/PI	IRGE DATA							
Well Conditio		Secure (YES)	Damaged (N	O)	Describe:	FLUSH		
DTW Before l	Purging (ft)	5.77	Time:	- '	Flow through ce			GW Meter No.(s	SSLOPE 10
Begin Purge:	0 0 0			End Purge:	-	8/ 12 /2020 @	1221	Gallons Purged:	
Purge water d			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
8	•		-		-		_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	, ,	. ,	. 0 /	ters for three	. ,	lings within the fo	. ,	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1202	15.3	552	0.40	6.15	101.9		5.67		
1205	16.2	560	0.45	6.14	96.7		5.59		
1208	16.6	572	0.52	6.14	93.9		5.55		
1211	17.0	581	0.61	6.15	90.0				
					-				
1214	17.2	584	0.71	6.15	88.2				
1217	17.5	588	0.77	6.16	85.3				
1220	17.7	592	0.81	6.17	82.1		-		
SAMPLE CO	LLECTION D								
Sample Collec	cted With:		Bailer	_	Pump/Pump Type	_		_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica)	1 ()	C-1							
. •		Other							
. •		-	r, sheen, etc.):			O ODOR, NO SHE	EN, DARK ANI	D LIGHT SOLIDS	S
Sample Descri	ription (color,	turbidity, odor		SLIGHTLY	EFFERVESCEN	Τ			
. •		-	D.O. (mg/L)				EN, DARK ANI DTW (ft)	D LIGHT SOLIDS Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color, t	turbidity, odor	D.O.	SLIGHTLY	EFFERVESCEN ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	SLIGHTLY pH	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate	Temp (°F/°C) 17.7	Cond. (uS/cm) 592	D.O. (mg/L) 0.84	SLIGHTLY pH 6.18 6.18	ORP (mV) 81.8 81.6	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 17.7 17.7	Cond. (uS/cm) 592 593	D.O. (mg/L) 0.84 0.84	6.18 6.18	EFFERVESCEN ORP (mV) 81.8 81.6 81.4	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4	Temp (°F/°C) 17.7 17.7 17.7	Cond. (uS/cm) 592 593 593	D.O. (mg/L) 0.84 0.84 0.84	6.18 6.18 6.18 6.18	81.8 81.6 81.2	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 17.7 17.7	Cond. (uS/cm) 592 593	D.O. (mg/L) 0.84 0.84	6.18 6.18	EFFERVESCEN ORP (mV) 81.8 81.6 81.4	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7	Cond. (uS/cm) 592 593 593 593	D.O. (mg/L) 0.84 0.84 0.84 0.84	SLIGHTLY pH 6.18 6.18 6.18 6.18 6.18	81.8 81.6 81.2 81.5	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7	Cond. (uS/cm) 592 593 593 593	D.O. (mg/L) 0.84 0.84 0.84 0.84	6.18 6.18 6.18 6.18 6.18 6.18	81.8 81.6 81.2 81.5	T Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 U.SA4	6.18 6.18 6.18 6.18 6.18 6.18 6.18 RER BOTTLE	81.8 81.6 81.4 81.5 TYPE (Circle approximately 1997)	T Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 17.7 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (0) (8020) (N AH) (NWTPH activity) (TD:	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (M-D) (NWTF	6.18 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-Dx) (Turbic	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	T Turbidity (NTU) Oplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 17.7 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 592 593 593 593 NALYSIS AI (2) (8020) (N (AH) (NWTPH (activity) (TD) (C) (Total PO-	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bd) (Total Kiew)	6.18 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPI BOD) (Turbic dahl Nitroger	81.8 81.6 81.4 81.5 TYPE (Circle a) (BTEX)	T Turbidity (NTU) Oplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 17.7 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI () (8020) (N AH) (NWTPH () (Total PO- () (WAD Cy	D.O. (mg/L) 0.84 0.84 0.84 0.84 CLOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free	pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle aportion (Circle a	T Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (67/NO2)	non-standard a	Ferrous iron (Fe II) nalysis below) WA WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA ON WA	Comments/ Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI () (8020) (NAH) (NWTPH () (Total PO- () (Total PO- () (As) (Sb) (D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PE WYPH-G) (WYFF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI () (8020) (N () (NWTPH () (NWTPH () (Total PO- () (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PE WYPH-G) (WYFF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI () (8020) (N () (NWTPH () (NWTPH () (Total PO- () (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (a) (8020) (N (b) (NWTPH) (activity) (TD (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (a) (8020) (N (b) (NWTPH) (activity) (TD (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (a) (8020) (N (b) (NWTPH) (activity) (TD (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (a) (8020) (N (b) (NWTPH) (activity) (TD (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate Sam	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (a) (8020) (N (b) (NWTPH) (activity) (TD (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.7 17.7 17.7 17.7 17.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 592 593 593 593 593 NALYSIS AI (a) (8020) (N (b) (NWTPH) (activity) (TD (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.84 0.84 0.84 0.84 0.84 CLOWED PERMYPH-G) (MITPH-G) (NWTFH-G) (NWTFH-G) (MITPH-G) (MITP	6.18 6.18 6.18 6.18 6.18 6.19 CR BOTTLE NWTPH-GX PH-DX) (TPF GOD) (Turbic dahl Nitroger Cyanide) (1) (Cd) (Co)	81.8 81.6 81.4 81.2 81.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (A) (NH3) (NO3)	T Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (V/NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □



Project Nam	ie:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 12/2020@	935		
Sample Nun	nber:	RGW178S-	2008		Weather:	OVERCAST, 60	S		
Landau Rep	resentative:	BXM			•				
WATER LEV	/EL/WELL/PI	JRGE DATA							
Well Condition		Secure (YES	5)	Damaged (N	(O)	Describe:	FLUSH		
DTW Before	Purging (ft)	8.07	Time:		Flow through ce			GW Meter No.(s	s SLOPE 10
	Date/Time:			End Purge:	-	8/ 12 /2020 @ 93	31	Gallons Purged:	
Purge water d			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	-
8	•			_	Ü	_	_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	, ,	` ,		ters for three	` /	dings within the fol	` '	>/= 1 flow	obser vacious
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
912	15.5	361.2	0.57	6.00	98.7		8.07		
915	16.0	402.3	0.49	5.99	92.5		8.08		
918	16.1	415.7	0.53	6.01	89.5		8.08		
921	16.2	423.6	0.57	6.03	86.7				
924	. ———	425.8	0.62	6.05	84.7			. ———	
927	16.2	425.2	0.65	6.06	83.6				
930	16.1	422.3	0.71	6.07	82.4				
SAMPLE CO	LLECTION I								
Sample Colle	cted With:		Bailer	_	Pump/Pump Type	BLADDER		. <u></u>	-
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(D M	101	- Odless							
(By Numerica		Other							
		₩	r, sheen, etc.):	CLEAR, CO	LORLESS, NO	DDOR, NO SHEEN	, DARK FINES		
Sample Descr	ription (color,	turbidity, odor	· -						Comments
		₩	D.O. (mg/L)	CLEAR, CO	OLORLESS, NO O	DDOR, NO SHEEN Turbidity (NTU)	DTW	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 422.1	D.O. (mg/L)	pH 6.07	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 16.1	Cond. (uS/cm) 422.1	D.O. (mg/L) 0.71	pH 6.07 6.07	ORP (mV) 82.3 82.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 16.1 16.1	Cond. (uS/cm) 422.1 421.7	D.O. (mg/L) 0.71 0.71	pH 6.07 6.07 6.07	ORP (mV) 82.3 82.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 16.1	Cond. (uS/cm) 422.1	D.O. (mg/L) 0.71	pH 6.07 6.07	ORP (mV) 82.3 82.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 16.1 16.1	Cond. (uS/cm) 422.1 421.7	D.O. (mg/L) 0.71 0.71	pH 6.07 6.07 6.07	ORP (mV) 82.3 82.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 16.1 16.1 16.1 16.1	Cond. (uS/cm) 422.1 421.7 421.1 420.9	D.O. (mg/L) 0.71 0.71 0.72 0.71	6.07 6.07 6.07 6.07 6.07	ORP (mV) 82.3 82.2 82.1 82.0 82.2	Turbidity	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A	Cond. (uS/cm) 422.1 421.7 421.1 420.9	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71	6.07 6.07 6.07 6.07 6.07 6.07	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI	D.O. (mg/L) 0.71 0.72 0.71 0.71 0.71 0.71	6.07 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI (0) (8020) (N AH) (NWTPH activity) (TD:	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF S) (TSS) (E	6.07 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPH-GXD) (Turbic	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr. (HCO3/CO3) (Co.)	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 16.1 (8260) (8010 (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI (0) (8020) (N AH) (NWTPH (netivity) (TD: (C) (Total PO-	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PINWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (FIND (NWTPH-G) (FIND (NWTPH-G) (NWTPH	6.07 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPH-BOD) (Turbic dahl Nitroger	82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr. (HCO3/CO3) (Co.)	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TDC) (Total PO-	D.O. (mg/L) 0.71 0.72 0.71 0.71 0.71 LLOWED PP NWTPH-G) (NWTP S) (TSS) (E 4) (Total Kie (ranide) (Free	6.07 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-Gx, PH-Dx) (TPH-BOD) (Turbic edahl Nitroger et Cyanide)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	Turbidity (NTU) pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (O/NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	ralysis below) WA WA ONE STATE OF THE STAT	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (NAH) (NWTPF lectivity) (TDC) (C) (Total POde) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.71 0.72 0.71 0.71 0.71 CLLOWED PF WWTPH-G) (NWTF S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI () (8020) (N AH) (NWTPH activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (D.O. (mg/L) 0.71 0.72 0.71 0.71 0.71 CLLOWED PF WWTPH-G) (NWTF S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) g short list)	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI () (8020) (N AH) (NWTPH activity) (TD: (C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) g short list)	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) g short list)	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) g short list)	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Ci/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate Sar	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) g short list)	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.1 16.1 16.1 16.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 422.1 421.7 421.1 420.9 421.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) g short list)	D.O. (mg/L) 0.71 0.71 0.72 0.71 0.71 0.71 CLLOWED PF NWTPH-G) (NWTF SS) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	pH 6.07 6.07 6.07 6.07 6.07 ER BOTTLE (NWTPH-GX) PH-DX) (TPH BOD) (Turbic della Nitrogen et Cyanide) a) (Cd) (Co)	ORP (mV) 82.3 82.2 82.1 82.0 82.2 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity in) (NH3) (NO3) (Cr) (Cu) (Fe)	Turbidity (NTU) pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (Ni) (Di) (Mg) (Mn) (Ni) (Mg) (Mn) (Mg) (Mn) (Mg) (Mn) (Mg) (Mn) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Rent	ton		Project Number	r:	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 12 /2020@	1025		
Sample Nur	nber:	RGW189S-	200812		Weather:	OVERCAST, 60)S		
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:	FLUSH		
DTW Before		6.83	Time:	-	Flow through ce			GW Meter No.(s SLOPE 10
	Date/Time:		1000	End Purge:		8/ 12 /2020 @	1022	Gallons Purged:	
Purge water of				Ě	Storage Tank	Ground		SITE TREATM	-
Purge water o	uisposed to:	-	55-gal Drum		Storage Tank	□ Ground	Other	SHE IKEAIM	ENI SYSIEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	ers for three	(mV)	(NTU) lings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1003	15.9	229.3	1.55	5.84	122.8		7.02		
-							-		
1006	<u> </u>	248.0	1.49	5.83	116.5		6.96		
1009	16.2	256.3	1.35	5.85	113.5		6.95		
1012	16.3	261.9	1.42	5.88	110.4				_
1015	16.7	266.2	1.40	5.93	105.6				
1018	16.8	272.8	1.31	5.97	101.9				
							-		
1021	16.8	274.9	1.48	5.99	100.6				-
	DLLECTION I								
Sample Colle	ected With:		Bailer		Pump/Pump Type			_	
Made of:	<u> </u>	Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
, L, Lumence	ui Oruer)								
, ,		—	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	, DARK FINES		
Sample Desc	ription (color,	turbidity, odor,							
, ,	ription (color,	turbidity, odor,	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Desc Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				Comments/ Observations
Sample Desc	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Desc Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Desc Replicate	Temp (°F/°C)	Cond. (uS/cm) 274.9	D.O. (mg/L)	рН 5.99	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 16.8	Cond. (uS/cm) 274.9	D.O. (mg/L) 1.51 1.46	pH 5.99 5.99	ORP (mV) 100.4 100.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 16.8 16.8 16.8	Cond. (uS/cm) 274.9 275.5 277.3	D.O. (mg/L) 1.51 1.46 1.40	pH 5.99 5.99 5.99 5.99	ORP (mV) 100.4 100.2 100.0 99.8	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 16.8 16.8	Cond. (uS/cm) 274.9 275.5 277.3	D.O. (mg/L) 1.51 1.46	pH 5.99 5.99 5.99	ORP (mV) 100.4 100.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 16.8 16.8 16.9 16.8	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41	5.99 5.99 5.99 5.99 5.99 5.99	ORP (mV) 100.4 100.2 100.0 99.8 100.1	Turbidity	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 7 TYPICAL A (8260) (8010	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF	5.99 5.99 5.99 5.99 5.99 8.89 8.89 8.80 8.80 8.80 8.80 8.80 8	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF WTPH-G) (NWTF	5.99 5.99 5.99 5.99 5.99 ER BOTTLE NWTPH-Gx;	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle ap (BTEX)) I-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA(C))	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL D) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (NWTE S) (TSS) (E	5.99 5.99 5.99 5.99 5.99 6R BOTTLE NWTPH-Gx PH-Dx) (TPF-GOD) (Turbic	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle ap (BTEX)) H-HCID) (8081) dity) (Alkalinity)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Conduction) (COD) (Too	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (D) (8020) (N AH) (NWTPH (D) (TDS) (C) (Total PO4	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF WTPH-G) (NWTP G) (TSS) (E	5.99 5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-Gx, PH-Dx) (TPF GOD) (Turbio dahl Nitroger	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle ap (BTEX)) I-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Too	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF WTPH-G) (NWTF G) (TSS) (E	5.99 5.99 5.99 5.99 5.99 ER BOTTLE NWTPH-Gx, PH-Dx) (TPF-GD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (6702)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	ralysis below) WA WA ONE OF THE OR THE OF T	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N (N) (NWTPH (activity) (TDS) (C) (Total PO4 (le) (WAD Cy () (As) (Sb) (I	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF WTPH-G) (I-D) (NWTF G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N (N) (NWTPH (ctivity) (TDS) (C) (Total PO4 (be) (WAD Cy (c) (As) (Sb) (I (ctals) (As) (Sb) (Sb)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF WTPH-G) (I-D) (NWTF G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (WA) (Sb) (I (letals) (As) (Sb (g short list)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (EP) (Total Kielen) (Freedball) (Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N (N) (NWTPH (ctivity) (TDS) (C) (Total PO4 (be) (WAD Cy (c) (As) (Sb) (I (ctals) (As) (Sb) (Sb)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (EP) (Total Kielen) (Freedball) (Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (WA) (Sb) (I (letals) (As) (Sb (g short list)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (EP) (Total Kielen) (Freedball) (Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (WA) (Sb) (I (letals) (As) (Sb (g short list)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (EP) (Total Kielen) (Freedball) (Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (WA) (Sb) (I (letals) (As) (Sb (g short list)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (EP) (Total Kielen) (Freedball) (Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (WA) (Sb) (I (letals) (As) (Sb (g short list)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PF WTPH-G) (I-D) (NWTF G) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca d) (Ba) (Be) (Ca etylene	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8270D) (PA (8270D) (PA (COD) (Total Metals (Dissolved M VOC (Boein Methane Ether) others mple No(s):	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N (MH) (NWTPH (1ctivity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (WAD Cy (le) (As) (Sb) (I (tals) (As) (Sb) (g short list) (lane Ethene Ac	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (ES) (Be) (Cased) (Ba) (Be) (Cased) (Ba) (Be) (Cased)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (G) (NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2 Duplicate San	Temp (°F/°C) 16.8 16.8 16.8 16.9 16.8 (8270D) (PA (8270D) (PA (COD) (Total Metals (Dissolved M VOC (Boein Methane Ether) others mple No(s):	Cond. (uS/cm) 274.9 275.5 277.3 276.2 276.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (I (de)	D.O. (mg/L) 1.51 1.46 1.40 1.26 1.41 LOWED PE WTPH-G) (I-D) (NWTPH-G) (Proceedings) (TSS) (ES) (Be) (Cased) (Ba) (Be) (Cased) (Ba) (Be) (Cased)	5.99 5.99 5.99 5.99 5.99 CR BOTTLE NWTPH-GX PH-DX) (TPH GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 100.4 100.2 100.0 99.8 100.1 TYPE (Circle aportion (Circle	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (On (NO2) (Pb) (Mg) (Mn) (Ni) (Ni) (Ni) (Ni) (Ni) (Ni) (Ni) (Ni	non-standard a rease) CI) (SO4) (NO	ralysis below) WA WA OB WA OB WA OB WA WA OB WA OB WA OB WA WA OB WA	Observations OR OR OR OR OR OR OR OR OR OR



Project Nan	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/12 /2020@	1145		
Sample Nur	nber:	RGW207S-	200812		Weather:	OVERCAST, 60)S		
Landau Rep	resentative:	BXM			•				
WATER LEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:	FLUSH		
DTW Before		6.96	Time:	Dumagea (1)	Flow through ce		120011	GW Meter No.(s	SLODE 10
	Date/Time:			End Purge:	_	8/ 12 /2020 @ 1	1/12	Gallons Purged:	
		=		_					
Purge water of	disposed to:		55-gal Drum		Storage Tank	Ground	Otner	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1124	15.7	368.3	0.42	6.07	113.5		6.45		
1127	15.7	377.2	0.46	6.07	107.7		6.41		
1130	15.9	380.9	0.50	6.08	105.0		6.40		
1133	16.4	379.6	0.52	6.08	101.6				
1136		380.8	0.66	6.08	100.7				
				-					
1139	16.6	388.2	0.54	6.09	99.2			·	
1142	16.6	395.6	0.56	6.10	97.6			·	
SAMPLE CO	DLLECTION D								
Sample Colle	ected With:		Bailer		Pump/Pump Type	:			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other			=				
Sample Desc	ription (color, t	urbidity, odor	, sheen, etc.):	CLEAR, YE	LLOW TINT, NO	O ODOR, NO SHE	EN, DARK FIN	ES	
Sample Desc	eription (color, t	turbidity, odor	, sheen, etc.):	CLEAR, YE	LLOW TINT, NO	O ODOR, NO SHE	EN, DARK FIN	ES	
Sample Desc Replicate	Temp	Cond.	D.O.	CLEAR, YE	ORP	Turbidity	DTW	Ferrous iron	Comments/
			· ·						Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 16.6	Cond. (uS/cm) 396.2 369.9	D.O. (mg/L) 0.56	pH 6.10 6.10	ORP (mV) 97.4 97.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 16.6 16.6	Cond. (uS/cm) 396.2 369.9 399.4	D.O. (mg/L) 0.56 0.56	6.10 6.10 6.10	ORP (mV) 97.4 97.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 16.6 16.6 16.6	Cond. (uS/cm) 396.2 369.9 399.4 399.9	D.O. (mg/L) 0.56 0.56 0.54	6.10 6.10 6.10 6.10	ORP (mV) 97.4 97.3 97.1 96.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 16.6 16.6	Cond. (uS/cm) 396.2 369.9 399.4	D.O. (mg/L) 0.56 0.56	6.10 6.10 6.10	ORP (mV) 97.4 97.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 16.6 16.6 16.6 16.6	Cond. (uS/cm) 396.2 369.9 399.4 399.9	D.O. (mg/L) 0.56 0.56 0.54 0.54	6.10 6.10 6.10 6.10 6.10	ORP (mV) 97.4 97.3 97.1 96.9	Turbidity	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6	Cond. (uS/cm) 396.2 369.9 399.4 399.9	D.O. (mg/L) 0.56 0.56 0.54 0.54 0.55	6.10 6.10 6.10 6.10 6.10 6.10	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AL	D.O. (mg/L) 0.56 0.56 0.54 0.54 0.55 LOWED PP	6.10 6.10 6.10 6.10 6.10 6.10 6.10 (NWTPH-GX	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle a) (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PF	6.10 6.10 6.10 6.10 6.10 6.10 6.10 6.10	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.56 0.54 0.54 0.55 LOWED PH WTPH-G) (NWTH G) (TSS) (ESS) (ESS)	6.10 6.10 6.10 6.10 6.10 6.10 6.10 CER BOTTLE (NWTPH-Gx) PH-Dx) (TPH-GX) (Turbic	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) Oplicable or write (8141) (Oil & G.) (HCO3/CO3) (0	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.56 0.54 0.54 0.55 LOWED PHIWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Ed) (Total Kieles)	6.10 6.10 6.10 6.10 6.10 6.10 CER BOTTLE (NWTPH-Gx, PH-Dx) (TPF BOD) (Turbic cdahl Nitroger	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) Oplicable or write (8141) (Oil & G.) (HCO3/CO3) (0	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals)	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AL 0) (8020) (N H) (NWTPH activity) (TDS C) (Total PO4 e) (WAD Cy 0) (As) (Sb) (1	D.O. (mg/L) 0.56 0.54 0.54 0.55 LOWED PP [WTPH-G) (NWTP -S) (TSS) (E -4) (Total Kieleranide) (Free Ba) (Be) (Calleranide)	6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals)	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AL 0) (8020) (N H) (NWTPH activity) (TDS C) (Total PO4 e) (WAD Cy 0) (As) (Sb) (1	D.O. (mg/L) 0.56 0.54 0.54 0.55 LOWED PP [WTPH-G) (NWTP -S) (TSS) (E -4) (Total Kieleranide) (Free Ba) (Be) (Calleranide)	6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals)	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (b) (8020) (N (c) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy (d) (As) (Sb) (Getals) (As) (Sb) (Sb)	D.O. (mg/L) 0.56 0.54 0.54 0.55 LOWED PP [WTPH-G) (NWTP -S) (TSS) (E -4) (Total Kieleranide) (Free Ba) (Be) (Calleranide)	6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (b) (8020) (N (c) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy (d) (As) (Sb) (Getals) (As) (Sb) (Sb)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (D) (8020) (N (H) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy) (AS) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (D) (8020) (N (H) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy) (AS) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (D) (8020) (N (H) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy) (AS) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010) (PA) (COD) (TOO) (TOO) (Total Cyanid (Total Metals) (Dissolved Methane Ethermore)	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (D) (8020) (N (H) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy) (AS) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010) (PA) (COD) (TOO) (TOO) (Total Cyanid (Total Metals) (Dissolved Methane Ethermore)	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (D) (8020) (N (H) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy) (AS) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) oplicable or write (8141) (Oil & G) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.6 16.6 16.6 16.6 (8260) (8010) (PA) (COD) (TOO) (TOO) (Total Cyanid (Total Metals) (Dissolved Methane Ethermore)	Cond. (uS/cm) 396.2 369.9 399.4 399.9 391.4 NALYSIS AI (D) (8020) (N (H) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cy) (AS) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.56 0.56 0.54 0.55 LOWED PI (WTPH-G) (NWTPH-G) (6.10 6.10 6.10 6.10 6.10 6.10 6.10 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Schall Nitroger c Cyanide) a) (Cd) (Co)	ORP (mV) 97.4 97.3 97.1 96.9 97.2 TYPE (Circle and the control of the contr	Turbidity (NTU) pplicable or write (8141) (Oil & G) (HCO3/CO3) (V/NO2) (Pb) (Mg) (Mn) (Ni) (V/NO2)	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e <u>:</u>	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 12 /2020@	855		
Sample Num	nber:	RGW208S-	200812		Weather:	PARTLY CLOU	JDY, 60S		
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES	5)	Damaged (N	O)	Describe:	FLUSH		
DTW Before	Purging (ft)	7.89	Time:	828	Flow through ce	ll vol.		GW Meter No.(s	SLOPE 10
Begin Purge:	Date/Time:	8/ 12 /2020	@ 830	End Purge:	Date/Time:	8/ 12 /2020 @	852	Gallons Purged:	< 1
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Т	Cond	D.O.	11	ORP	T	DTW	Internal Druge	Commontal
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	(mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
833	16.9	466.7	0.70	6.57	46.4		7.94		
836	17.3	470.3	0.93	6.25	61.4		7.92		
839	17.4	476.1	0.80	6.12	67.9		7.91		
842	17.6	475.8	0.89	6.08	69.5				
845	17.6	471.9	0.88	6.08	69.0		-		
848	17.7	468.5	0.87	6.09	68.9				
SAMPLE CO			D !!			D D.			
Sample Collec	cted With:		Bailer		Pump/Pump Type			— • · · ·	
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
					—				
(By Numerica		Other							
. •		_	r, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	, DARK FINES		
. •		_	D.O.	CLEAR, CO	LORLESS, NO C	DDOR, NO SHEEN	, DARK FINES	Ferrous iron	Comments/
Sample Descr	ription (color,	turbidity, odo							Comments/ Observations
Sample Descr	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descr Replicate 1 2	Temp (°F/°C) 17.8	Cond. (uS/cm) 467.0	D.O. (mg/L) 0.95	pH 6.09 6.09	ORP (mV) 69.1	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 17.8 17.8	Cond. (uS/cm) 467.0 467.1	D.O. (mg/L) 0.95 0.93	pH 6.09 6.09 6.09	ORP (mV) 69.1 69.0	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 17.8 17.8 17.8	Cond. (uS/cm) 467.0 467.1 466.0	D.O. (mg/L) 0.95 0.93 0.93	6.09 6.09 6.09 6.09	ORP (mV) 69.1 69.0 68.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8	Cond. (uS/cm) 467.0 467.1 466.0	D.O. (mg/L) 0.95 0.93 0.93 0.94	6.09 6.09 6.09 6.09 6.09	ORP (mV) 69.1 69.0 68.9 68.8	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8	Cond. (uS/cm) 467.0 467.1 466.0 466.8	D.O. (mg/L) 0.95 0.93 0.94 0.94	6.09 6.09 6.09 6.09 6.09 6.09	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle a)	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI	D.O. (mg/L) 0.95 0.93 0.93 0.94 0.94 LLOWED PE	6.09 6.09 6.09 6.09 6.09 ER BOTTLE NWTPH-GX	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle approximately (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 467.0 467.1 466.8 NALYSIS AI (D) (8020) (N H) (NWTPI	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (H-D) (NWTP	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-Gx	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle a) (BTEX) I-HCID) (8081)	Turbidity (NTU) pplicable or write	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA) (pH) (Condu	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (0) (8020) (N AH) (NWTPI Incitivity) (TD	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (M-D) (6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-Gx; H-Dx) (TPHOD) (Turbic	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle a) (BTEX) I-HCID) (8081) dity) (Alkalinity	Turbidity (NTU) Oplicable or write (8141) (Oil & Gi) (HCO3/CO3) (0	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N CH) (NWTPI citivity) (TD C) (Total PO-	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (M-D) (NWTPH-G) (M-D)	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-Gx PH-Dx) (TPF OD) (Turbio dahl Nitroger	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle a) (BTEX) I-HCID) (8081)	Turbidity (NTU) Oplicable or write (8141) (Oil & Gi) (HCO3/CO3) (0	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N CH) (NWTPI (Inctivity) (TD (C) (Total PO- (le) (WAD C)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (Free vanide) (6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX, PH-Dx) (TPH OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (a) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & Grover) (HCO3/CO3) (O/NO2)	DTW (ft) mon-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N (H) (NWTPI (Intrivity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PERWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle application of the company o	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 467.0 467.1 466.8 NALYSIS AI (0) (8020) (N (NH) (NWTPI (1ctivity) (TD (1ctivity) (TD (1ct) (VAD C) (1ct) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PERWTPH-G) (M-D) (NWTPH-G) (M-D) (M-	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 467.0 467.1 466.8 NALYSIS AI (0) (8020) (N (NH) (NWTPI (1ctivity) (TD (1ctivity) (TD (1ct) (VAD C) (1ct) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (H-D) (NW	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N AH) (NWTPI (nctivity) (TD (C) (Total PO (le) (WAD C) () (As) (Sb) ((etals) (As) (Sl (g short list)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (H-D) (NW	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N AH) (NWTPI (nctivity) (TD (C) (Total PO (le) (WAD C) () (As) (Sb) ((etals) (As) (Sl (g short list)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (H-D) (NW	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N AH) (NWTPI (nctivity) (TD (C) (Total PO (le) (WAD C) () (As) (Sb) ((etals) (As) (Sl (g short list)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (H-D) (NW	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N AH) (NWTPI (nctivity) (TD (C) (Total PO (le) (WAD C) () (As) (Sb) ((etals) (As) (Sl (g short list)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (H-D) (NW	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 467.0 467.1 466.0 466.8 NALYSIS AI (D) (8020) (N AH) (NWTPI (nctivity) (TD (C) (Total PO- (le) (WAD C) () (As) (Sb) ((etals) (As) (Sl (g short list)	D.O. (mg/L) 0.95 0.93 0.94 0.94 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (H-D) (NW	6.09 6.09 6.09 6.09 6.09 CR BOTTLE NWTPH-GX H-DX) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 69.1 69.0 68.9 68.8 69.0 TYPE (Circle all) (BTEX) H-HCID) (8081) dity) (Alkalinity) (In the control of the con	Turbidity (NTU) oplicable or write (8141) (Oil & Gillo (1002) (MO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		Aug-20		_	Date/Time:	8/ 10 /2020@1	NA		
Sample Nun	nber:	RGW263S-	200810		Weather:	sunny, 60s			
Landau Rep	resentative:								
WATER LEV	VEL/WELL/PI	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	IO)	Describe:	Flush Mount		
DTW Before	Purging (ft)	6.18	Time:	918	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
	Date/Time:	8/ 10 /2020	NA	End Purge:		8/ 10 /2020 @	NA	Gallons Purged:	
Purge water of			55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
-	т	C1	-		ODD		DTW	I	C
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	Purge Goal		n of Paramet			dings within the fo	llowing limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
	_								
	\mathbf{W}_{A}	ATER	LEV.	EL O.	NLY				
					-				
	-								
		-			-	-			
					-	-		-	
					-				
SAMPLE CO	DLLECTION I	DATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type	e			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Ordar)	Children	<u>—</u>		-				
	ui Oruer)	Other							
Sample Desc	ription (color,	₩	, sheen, etc.):						
Sample Desc		₩	, sheen, etc.):						
Sample Description Replicate	ription (color,	turbidity, odoi	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	ription (color,	turbidity, odo			ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	ription (color,	turbidity, odoi	D.O.			•			
Replicate	ription (color,	turbidity, odoi	D.O.			•			
Replicate 1	ription (color,	turbidity, odoi	D.O.			•			
Replicate 1 2	ription (color,	turbidity, odoi	D.O.			•			
Replicate 1 2 3 4	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН	(mV)	(NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) #DIV/0!	turbidity, odoi Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	pH #DIV/0!	(mV) 	(NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) #DIV/0!	Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	pH #DIV/0! ER BOTTLE	#DIV/0!	(NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010	#DIV/0! NALYSIS AI (0) (8020) (N	#DIV/0!	#DIV/0! ER BOTTLE NWTPH-GX	#DIV/0! TYPE (Circle a) (BTEX)	#DIV/0!	(ft)	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010) (8270D) (PA	#DIV/0! NALYSIS AI () (8020) (NAH) (NWTPI	#DIV/0! LLOWED PE	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	#DIV/0! /*TYPICAL A (8260) (8010) (8270D) (P4) (pH) (Condu	#DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI sectivity) (TD	#DIV/0! #DIV/0! LLOWED PERWITH-G) (NWTERS) (TSS) (B	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (TOO	#DIV/0! **NALYSIS AI **O) (8020) (N AH) (NWTPI **Inctivity) (TD C) (Total PO	#DIV/0! LLOWED PERMYPH-G) (NWTPH-S) (TSS) (B4) (Total Kie	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (TOO) (Total Cyanic	#DIV/0! #DIV/0! **NALYSIS AI **O) (8020) (N AH) (NWTPI **Ictivity) (TD C) (Total PO- **le) (WAD Cy	#DIV/0! **LLOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi Edahl Nitroger Cyanide)	#DIV/0! ETYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard at rease)	malysis below) WA WA WA O NO(2) (F)	Observations OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (Total Cyanic) (Total Metals)	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPI detivity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (#DIV/0! #DIV/0! LLOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (Total Cyanic) (Total Metals)	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPI lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (fetals) (As) (Sl)	#DIV/0! #DIV/0! LLOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI 0) (8020) (N AH) (NWTPI lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (fetals) (As) (Sl)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	#DIV/0! #DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (Total Cyanic) (Total Metals) (Dissolved M VOC (Boein) Methane Eth	#DIV/0! #DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (Total Cyanic) (Total Metals) (Dissolved M VOC (Boein) Methane Eth	#DIV/0! #DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010) (8270D) (PA (COD) (Total Cyanic) (Total Metals) (Dissolved M VOC (Boein) Methane Eth	#DIV/0! #DIV/0! NALYSIS AI (0) (8020) (N AH) (NWTPI activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl ag short list)	#DIV/0! **LLOWED PE **UWTPH-G) (NWTP **S) (TSS) (B **4) (Total Kie **vanide) (Free **Ba) (Be) (Ca **b) (Ba) (Be) (Ca	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (o/NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard at rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Aug-20			Date/Time:	8/ 10/2020@	910		
Sample Nun	nber:	RGW264S-	200810		Weather:	SUNNY, 60S			
Landau Rep	resentative:								
WATEDIEV	/EL/WELL/PU	IDGE DATA							
Well Condition		Secure (YES)	`	Damaged (N	0)	Describe	Flush Mount		
		` '	,				Trush Mount	CWAM . N. /	CL OPE 10
DTW Before		5.67	Time:	843	C	•		GW Meter No.(
	Date/Time:		845	End Purge:		8/ 10 /2020 @		Gallons Purged:	•
Purge water d	lisposed to:		55-gal Drum		Storage Tank	☐ Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	Purge Goal	s: Stablization	n of Paramet	ters for three	consecutive read	lings within the fo	llowing limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
848	20.2	407.3	0.4	6.31	106.6		6.69		PERI ON
851	20.3	420.6	0.39	5.99	116.7		6.90		LOWEST SPEED
854	·			-			7.03		
-	·	466.3	0.47	5.94	111.5				
857	20.5	474.2	0.67	5.93	106.8		7.11		
900	20.3	510	0.80	5.93	101.0		7.18		
903	20.1	549	0.84	5.94	97.0		7.22		
906	20.0	575	0.87	5.96	92.7		7.25		
700	20.0		0.07	3.70	72.1		1.23		
CANDIE CO	LIECTIONE						·		
	LLECTION D		Bailer		D /D T	DEDI			
Sample Colle	ctea with:		_		Pump/Pump Type			D D E + 1	
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
		₩							
Sample Descr	ription (color, t	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	I, EFFERVESCI	ENT	
Sample Descri Replicate	Temp	Cond.	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 5.96	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 20.0	Cond. (uS/cm) 585	D.O. (mg/L) 0.9	pH 5.96 5.97	ORP (mV) 91.2 90.6	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 20.0 19.9 19.9	Cond. (uS/cm) 585 588 592 596	D.O. (mg/L) 0.9 0.9 0.9	pH 5.96 5.97 5.96 5.96	ORP (mV) 91.2 90.6 90.0 89.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 20.0 19.9 19.9 19.9	Cond. (uS/cm) 585 588 592 596	D.O. (mg/L) 0.9 0.9 0.9 0.9	5.96 5.97 5.96 5.96	ORP (mV) 91.2 90.6 90.0 89.5	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 20.0 19.9 19.9 19.9 TYPICAL A	Cond. (uS/cm) 585 588 592 596 590	D.O. (mg/L) 0.9 0.9 0.9 0.9 0.9	5.96 5.97 5.96 5.96 5.96 5.96	ORP (mV) 91.2 90.6 90.0 89.5 90.3	Turbidity	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.9 0.9 0.9 0.9 0.9 VIOWED PF	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-GX	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.9 0.9 0.9 0.9 0.9 LOWED PF WTPH-G) (NWTF	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx,	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX)) I-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AI () (8020) (N AH) (NWTPH (activity) (TDS)	D.O. (mg/L) 0.9 0.9 0.9 0.9 0.9 LOWED PF WTPH-G) (NWTF S) (TSS) (B	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AI (2) (8020) (N (3H) (NWTPH (4ctivity) (TDS) (C) (Total PO4)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PEWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (T-D) (NWTPH-G) (NWTP	5.96 5.96 5.96 5.96 5.96 CR BOTTLE NWTPH-Gx, PH-Dx) (TPF GOD) (Turbio dahl Nitroger	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX)) I-HCID) (8081)	Turbidity (NTU) pplicable or write (8141) (Oil & G	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AL (0) (8020) (N (NH) (NWTPH (ctivity) (TDS (C) (Total PO4 (e) (WAD Cy	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PF WTPH-G) (NWTF G) (TSS) (E	5.96 5.96 5.96 5.96 5.96 CR BOTTLE NWTPH-Gx, PH-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft) non-standard a rease) C1) (SO4) (NO	ralysis below) WA WA WA O WA O WA O WA O WA O WA O WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals)	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 (e) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.9 0.9 0.9 0.9 1. LOWED PF WTPH-G) (NWTF (S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 585 588 592 596 590 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 le) (WAD Cy 0) (As) (Sb) (tetals) (As) (Sb) (Sb)	D.O. (mg/L) 0.9 0.9 0.9 0.9 1. LOWED PF WTPH-G) (NWTF (S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 585 588 592 596 590 NALYSIS ALD) (8020) (NaH) (NWTPHOLICIVITY) (TDSC) (Total PO4de) (WAD Cyd) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PER (WTPH-G) (M-D) (NWTPH-G) (M-D) (M	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
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Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 585 588 592 596 590 NALYSIS ALD) (8020) (NaH) (NWTPHOLICIVITY) (TDSC) (Total PO4de) (WAD Cyd) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PER (WTPH-G) (M-D) (NWTPH-G) (M-D) (M	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 585 588 592 596 590 NALYSIS ALD) (8020) (NaH) (NWTPHOLICIVITY) (TDSC) (Total PO4de) (WAD Cyd) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PER (WTPH-G) (M-D) (NWTPH-G) (M-D) (M	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 585 588 592 596 590 NALYSIS ALD) (8020) (NaH) (NWTPHOLICIVITY) (TDSC) (Total PO4de) (WAD Cyd) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PER (WTPH-G) (M-D) (NWTPH-G) (M-D) (M	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 585 588 592 596 590 NALYSIS ALD) (8020) (NaH) (NWTPHOLICIVITY) (TDSC) (Total PO4de) (WAD Cyd) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PER (WTPH-G) (M-D) (NWTPH-G) (M-D) (M	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2 Duplicate Sar	Temp (°F/°C) 20.0 19.9 19.9 19.9 19.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 585 588 592 596 590 NALYSIS ALD) (8020) (NaH) (NWTPHOLICIVITY) (TDSC) (Total PO4de) (WAD Cyd) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.9 0.9 0.9 0.9 LOWED PER (WTPH-G) (M-D) (NWTPH-G) (M-D) (M	5.96 5.96 5.96 5.96 5.96 ER BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 91.2 90.6 90.0 89.5 90.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3)	Turbidity (NTU) oplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	DTW (ft) non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR

wood.

Appendix C



Memo

To: Kathleen Goodman, Project Manager

Project:

PS20203450.2020

From: Chelsea Foster

C:

Project File

Tel: (206) 342-1760 Fax: (206) 342-1761

Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

SWMU-168

ARI Work Order Number: 20H0100

This memo presents the summary data quality review of one primary groundwater sample and one trip blank sample collected on August 10, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology. The samples were analyzed for volatile organic compounds (vinyl chloride) by U.S. Environmental Protection Agency (EPA) Method 8260D with selected ion monitoring.

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW230I-200810	20Н0100-01	vinyl chloride
Trip Blanks	20H0100-02	vinyl chloride

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

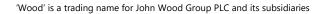
Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA guidance documents (EPA, 2014).

ARI received the samples on August 10, 2020. The temperature of the cooler was recorded upon receipt and was below the maximum acceptable temperature of 6 degrees Celsius (°C).

Organic analyses

Samples were analyzed for vinyl chloride. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable



Memo September 25, 2020 Page 2 of 2

- 3. Surrogates Acceptable
- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable

Extra volume was not submitted for analysis of MS/MSD samples. The project frequency requirement was achieved with MS/MSD analysis conducted at other sites included in this sampling event.

6. Field Duplicates – Acceptable

Field duplicates were not collected at this site during this sampling event. The project frequency requirement of one field duplicate for every 20 samples was achieved with field duplicate samples collected at other sites included in this sampling event.

7. Reporting Limits and Laboratory Flags – Acceptable.

Overall assessment of data

The table below summarizes the data assessment. The completeness of ARI work order number 20H0100 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits.

Sample ID	Qualified Analyte
RGW230I-200810	none
Trip Blanks	none

References

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.

U.S. Environmental Protection Agency (EPA), 2014, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.

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Memo

To: Kathleen Goodman, Project Manager Proje

Project: PS20203450.2020

From: Chelsea Foster

c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761

Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

SWMU-172/174

ARI Group Number: 20H0103

This memo presents the summary data quality review of nine primary groundwater samples, one groundwater field duplicate, and one trip blank sample collected on August 10, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) (cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride) by U.S. Environmental Protection Agency (EPA) Method 8260D with selected ion monitoring;
- Total organic carbon (TOC) by Standard Method 5310B; and
- Total metals (arsenic, copper, and lead) by EPA Method 6020A.

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW232S-200810	20Н0103-01	all
RGW236S-200810	20H0103-02	all
RGW235I-200810	20H0103-03	all
RGW234S-200810	20H0103-04	all
RGW172S-200810	20H0103-05	all
RGWDUP1-200810	20H0103-06	all
RGW152S-200810	20H0103-07	all
RGW173S-200810	20H0103-08	all
RGW226S-200810	20H0103-09	all
RGW153S-200810	20H0103-10	all
Trip Blanks	20H0103-11	VOCs

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Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA guidance documents (EPA, 2014a and b).

ARI received the samples on August 10, 2020. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

Samples were analyzed for VOCs. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. Surrogates Acceptable
- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable
- 6. Field Duplicates Acceptable except as noted

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of five percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate relative percent differences (RPDs) is 30 percent for concentrations greater than five times the reporting limit. The field duplicate RPDs were within the control limits.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (ng/L)	Duplicate Result (ng/L)	Reporting Limit (ng/L)	RPD (%)
RGW152S-200810/ RGWDUP1-200810	vinyl chloride	284	299	20	5
	cis-1,2-dichloroethene	1,660	1,740	20	5
	trichloroethene	579	575	20	1
	tetrachloroethene	319	296	20	7

Abbreviations

ng/L = nanograms per liter

NC = not calculated

RPD = relative percent difference

7. Reporting Limits and Laboratory Flags – Acceptable

Inorganic analyses

Samples were analyzed for total metals and TOC. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. LCS- Acceptable
- 4. MS/MSD Acceptable as noted:

The MS/MSD sample for total metals was diluted for analysis. The results are not qualified for use.

5. Laboratory Duplicates – Acceptable except as noted:

The laboratory duplicate for total copper was diluted for analysis, and was above the RPD control limit of 20. The results are flagged as listed below.

6. Field Duplicates - Acceptable

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of five percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate RPDs is 30 percent for concentrations greater than five times the reporting limit. The field duplicate RPDs were within control limits, except for total copper. Both the laboratory duplicate and field duplicate for total copper results were above RPD control limits; primary and duplicate results for total copper will be flagged with a "J".

Sample ID/ Field Duplicate ID	Analyte	Primary Result	Duplicate Result	Reporting Limit	RPD (%)
	TOC	6.76 mg/L	5.59 mg/L	0.50 mg/L	19
RGW152S-200810/ RGWDUP1-200810	total arsenic	6.72 μg/L	7.07 µg/L	0.400 μg/L	5
	total copper	7.45 µg/L	10.3 μg/L	1.00 μg/L	32
	total lead	3.89 µg/L	4.77 μg/L	0.200 μg/L	20

Abbreviations:

 μ g/L = micrograms per liter mg/L = milligrams per liter

RPD = relative percent difference TOC = total organic carbon

7. Reporting Limits and Laboratory Flags – Acceptable

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20H0103 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte	Reason for Qualifier	Qualified Result (µg/L)
RGW232S-200810	none	NA	NA
RGW236S-200810	none	NA	NA
RGW235I-200810	none	NA	NA
RGW234S-200810	none	NA	NA
RGW172S-200810	none	NA	NA
RGWDUP1-200810	Total copper	Lab and field duplicate RPD	10.3 J
RGW152S-200810	Total copper	Lab and field duplicate RPD	7.45 J
RGW173S-200810	none	NA	NA
RGW226S-200810	none	NA	NA
RGW153S-200810	none	NA	NA
Trip Blanks	none	NA	NA

Abbreviations

 μ g/L = micrograms per liter

J = the value is an estimate

NA = not applicable

RPD = relative percent difference

References

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.

U.S. Environmental Protection Agency (EPA), 2014a, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.

EPA, 2014b, U.S. EPA National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-013-001, August.

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Memo

To: Kathleen Goodman, Project Manager Project:

Project: PS20203450.2020

From: Chelsea Foster

c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761

Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

Building 4-78/79 SWMU/AOC Group ARI Work Order Number: 20H0115

This memo presents the summary data quality review of seven primary groundwater samples, one field duplicate groundwater sample, and one trip blank sample collected on August 11, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology (Ecology). The samples were analyzed for the following:

- Volatile organic compounds (VOCs) (limited suite: benzene, vinyl chloride, cis-1,2-dichloroethene, and trichloroethene) by U.S. Environmental Protection Agency (EPA) Method 8260D;
- Total petroleum hydrocarbons as gasoline (TPH-G) by Ecology Method NWTPH-G; and
- Total organic carbon (TOC) by Standard Method 5310B-00.

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
Trip Blanks	20Н0115-01	VOCs and TPH-G
RGW240D-200811	20Н0115-02	all
RGW143S-200811	20H0115-03	all
RGW237S-200811	20Н0115-04	all
RGW034S-200811	20H0115-05	all
RGW033S-200811	20Н0115-06	all
RGW244S-200811	20Н0115-07	all
RGW031S-200811	20H0115-08	all
RGWDUP2-200811	20H0115-09	all

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used

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to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in EPA guidelines (EPA, 2014a and b).

ARI received the samples on August 11, 2020. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

Samples were analyzed for VOCs and TPH-G. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. Surrogates Acceptable as noted:

Samples RGW031S-200811 and RGWDUP2-200512 each had one surrogate above control limits in the initial analysis. The sample was rerun and the same surrogate remained above control limits. It is recommended that the initial analysis results for RGW031S-200811 and RGWDUP2-200811 be used and flagged with a "J."

- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable except as noted:

The percent recovery in the MS sample was below control limits for cis-1,2 dichloroethene and TPH-G. Calibration did not meet acceptance criteria for vinyl chloride in the MS and MSD sample. The data is not qualified for use.

6. Field Duplicates – Acceptable

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of five percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The relative percent differences (RPDs) for the field duplicate are within the project-specific control limit of 30 percent for concentrations greater than five times the reporting limit. The RPD is not calculated for results that are less than five times the reporting limit, as indicated on the table below by "NC." In these cases, the absolute value of the difference between the primary and duplicate result should not exceed the value of the reporting limit. As shown in the table below, the field duplicate results are acceptable.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (μg/L)	Duplicate Result (μg/L)	Reporting Limit (µg/L)	RPD (%)
	vinyl chloride	0.32	0.25	0.20	NC
RGW031S-200811/ RGWDUP2-200811	cis-1,2-dichloroethene	0.67	0.52	0.20	NC
	benzene	1.72	2.05	0.20	18
	trichloroethene	0.20 U	0.20 U	0.20	NC
	TPH-G	1,160	1,180	100	2

Abbreviations

 μ g/L = micrograms per liter

NC = not calculated

RPD = relative percent difference

U = analyte was not detected above the reporting limit

TPH-G = total petroleum hydrocarbons as gasoline

7. Reporting Limits and Laboratory Flags – Acceptable as noted:

The analytes vinyl chloride and cis-1,2 dichloroethene were flagged with an "E" in sample RGW033S-200811, indicating the analyte concentration exceeds the upper limit of calibration. The sample was reanlyzed with analytes within calibration range; the results from reanalysis should be used and are not qualified. The analyte cis-1,2 dichloroethene was flagged with "Y1" in samples RGW031S-200811 and RGWDUP2-200811, indicating an increased reporting limit due to interference. The reporting limit is still below the associated cleanup level and is acceptable.

Inorganic analyses

Samples were analyzed for TOC. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. LCS/LCSD Acceptable
- 4. MS/MSD Acceptable
- 5. Laboratory Duplicates Acceptable
- 6. Field Duplicates Acceptable

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of five percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The RPDs are acceptable.

Sample ID/	Analyte	Primary Result	Duplicate Result	Reporting Limit	RPD
Field Duplicate ID		(mg/L)	(mg /L)	(mg /L)	(%)
RGW031S-200811/ RGWDUP2-200811	ТОС	12.05	13.30	0.50	10

Abbreviations:

mg/L = milligrams per liter RPD = relative percent difference TOC = total organic carbon

7. Reporting Limits and Laboratory Flags – Acceptable as noted:

The TOC in sample RGWDUP2-200811 was diluted at a factor of 10; the data is not qualified for use.

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20H0115 is 100 percent. Evaluation of the usefulness of these data is based on EPA guidance documents identified in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

		Qualified Result	
Sample ID	Qualified Analyte	(μg/L)	Qualifier Reason
Trip Blanks	none	none	NA
RGW240D-200811	none	none	NA
RGW143S-200811	none	none	NA
RGW237S-200811	none	none	NA
RGW034S-200811	none	none	NA
RGW033S-200811	none	none	NA
RGW244S-200811	none	none	NA
RGW031S-200811	vinyl chloride cis-1,2-dichloroethene benzene trichloroethene	0.32 J 0.67 J 1.72 J 0.20 UJ	Surrogate recoveries
RGWDUP2-200811	vinyl chloride cis-1,2-dichloroethene benzene trichloroethene	0.25 J 0.52 J 2.05 J 0.20 UJ	Surrogate recoveries

Abbreviations:

 μ g/L = micrograms per liter J = the value is an estimate

NA = not applicable

UJ = the analyte was not detected at the estimated reporting limit indicated

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References

- Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.
- U.S. Environmental Protection Agency (EPA), 2014a, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.
- EPA, 2014b, U.S. EPA National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-013-001, August.

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Memo

To: Kathleen Goodman, Project Manager P

Project: PS20203450.2020

From: Chelsea Foster

c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761

Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

Former Fuel Farm AOC Group ARI Work Order Number: 20H0099

This memo presents the summary data quality review of three primary groundwater samples and one field duplicate collected on August 10, 2020. The samples were submitted to Analytical Resources Inc. (ARI), a Washington State Department of Ecology (Ecology)-accredited laboratory located in Tukwila, Washington. The samples were analyzed for total petroleum hydrocarbons as diesel (TPH-D), plus motor oil (TPH-O) and Jet A (TPH-Jet A) ranges by Ecology Method NWTPH-Dx.

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW211S-200810	20H0099-01	all
RGW224S-200810	20H0099-02	all
RGW221S-200810	20Н0099-03	all
RGWDUP3-200810	20H0099-04	all

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in EPA guidelines (EPA, 2014).

ARI received the samples on August 10, 2020. The temperatures of the coolers were recorded upon receipt and were less than the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

Samples were analyzed for TPH-D plus TPH-O and TPH-Jet A ranges. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. Surrogates Acceptable
- 4. LCS Acceptable
- 5. MS/MSD Acceptable
- 6. Field Duplicates Acceptable

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of 5 percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate relative percent differences (RPDs) is 30 percent for concentrations greater than five times the reporting limit. The RPD is not calculated for results that are less than five times the reporting limit, as indicated on the table below by "NC." In these cases, the absolute value of the difference between the primary and duplicate result should not exceed the value of the reporting limit. The field duplicate RPDs were within control limits.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (mg/L)	Duplicate Result (mg/L)	Reporting Limit (mg/L)	RPD (%)
	TPH-D (C12–C24)	1.08	0.948	0.100	13
RGW224S-200810/ RGWDUP3-200810	TPH-O (C24-C38)	ND	ND	0.200	NC
	TPH-Jet A (C10–C18)	1.42	1.30	0.100	9

Abbreviations

mg/L = milligrams per liter
NC = not calculated
ND = not detected
RPD = relative percent difference

TPH-D = total petroleum hydrocarbons as diesel
TPH-Jet A = total petroleum hydrocarbons in the Jet A range
TPH-O = total petroleum hydrocarbons as motor oil

7. Reporting Limits and Laboratory Flags – Acceptable

Analytes diesel and Jet-A in GW221S were flagged with an "E" indicating the concentration exceeded the upper limit of the calibration range. The sample was rerun at a dilution factor of 5, and flagged with a "D" to indicate dilution. The diluted sample results shall be used for reporting purposes.

Overall assessment of data

The table below summarizes the data review. The completeness of ARI work order number 20H0099 is 100 percent. Evaluation of the usefulness of these data is based on EPA guidance documents listed in the

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introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte
RGW211S-200810	none
RGW224S-200810	none
RGW221S-200810	none
RGWDUP3-200810	none

References

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.

U.S. Environmental Protection Agency (EPA), 2014, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.

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Memo

To: Kathleen Goodman, Project Manager Project: PS20203450.2020

From: Chelsea Foster c: Project File

Tel: (206) 342-1760

Fax: (206) 342-1761

Date: September 25, 20

Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

AOC-003

ARI Work Order Number: 20H0101

This memo presents the summary data quality review of four primary groundwater samples and one trip blank sample collected on August 10, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology. The samples were analyzed for vinyl chloride (a volatile organic compound) by U.S. Environmental Protection Agency (EPA) Method 8260D with selected ion monitoring. The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW247S-200810	20Н0101-01	vinyl chloride
RGW248I-200810	20H0101-02	vinyl chloride
RGW249S-200810	20Н0101-03	vinyl chloride
RGW188S-200810	20Н0101-04	vinyl chloride
Trip Blanks	20Н0101-05	vinyl chloride

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA guidance documents (EPA, 2014).

ARI received the samples on August 10, 2020. The temperature of the cooler was recorded upon receipt and was below the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

Samples were analyzed for vinyl chlorise. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable except as noted:
 - Five sampling vials contained a bubble upon arrival at ARI. The samples were able to be analyzed normally with acceptable results. The data is not qualified for use.
- 2. Blanks Acceptable
- 3. Surrogates Acceptable
- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable

Extra volume was not submitted for analysis of MS/MSD samples. The project frequency requirement was achieved with MS/MSD analysis conducted at other sites included in this sampling event.

- 6. Field Duplicates Acceptable
 - Field duplicates were not collected at this site during this sampling event. The project frequency requirement of one field duplicate for every 20 samples was achieved with field duplicate samples collected at other sites included in this sampling event
- 7. Reporting Limits and Laboratory Flags Acceptable

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20H0101 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits.

Sample ID	Qualified Analyte
RGW247S-200810	none
RGW248I-200810	none
RGW249S-200810	none
RGW188S-200810	none
Trip Blanks	none

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References

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.

U.S. Environmental Protection Agency (EPA), 2014, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.

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Memo

To: Kathleen Goodman, Project Manager Project: PS20203450.2020

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

AOC-004

ARI Work Order Number: 20H0126

This memo presents the summary data quality review of one primary groundwater sample collected on August 12, 2020. The sample was submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology. The sample was analyzed for total lead by U.S. Environmental Protection Agency (EPA) Method 6020A.

The sample and the analyses conducted on the sample are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW250S-200812	20H0126-01	total lead

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA guidance documents (EPA, 2014).

ARI received the samples on August 12, 2020. The temperature of the cooler was recorded upon receipt and was below the maximum acceptable temperature of 6 degrees Celsius (°C).

Inorganic analyses

Samples were analyzed for total lead. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. LCS Acceptable

4. MS/MSD – Acceptable

Additional sample volume for MS/MSD analyses was not submitted with samples collected from this site. MS/MSD results were reported with samples not associated with project samples; therefore, sample results are evaluated based on LCS/LCSD results. Project-specific MS/MSD requirements were met with samples collected at other sites included in this sampling event. The laboratory reported MS/MSD results; but project samples are not evaluated using this data since the spiked sample was not a project sample.

5. Field Duplicates – Acceptable

Field duplicates were not collected at this site during this sampling event. The project frequency requirement of one field duplicate for every 20 samples was achieved with field duplicate samples collected at other sites included in this sampling event.

6. Reporting Limits and Laboratory Flags - Acceptable

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20H0126 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits.

Sample ID	Qualified Analyte
RGW250S-200812	none

References

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.

U.S. Environmental Protection Agency (EPA), 2014, U.S. EPA National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-013-001, August.



Memo

To: Kathleen Goodman, Project Manager Project: PS20203450.2020

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

AOC-060

ARI Work Order Numbers: 20H0118

This memo presents the summary data quality review of six primary groundwater samples, one field duplicate, and one trip blank sample collected on August 11, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology. The samples were selectively analyzed for the following:

- Volatile organic compounds (VOCs) (cis-1,2-dichloroethene, trichloroethene, and vinyl chloride) by U.S. Environmental Protection Agency (EPA) Method 8260D with selected ion monitoring; and
- Total organic carbon (TOC) by Standard Method 5310B-00.

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGWDUP4-200811	20H0118-01	all
RGW014S-200811	20H0118-02	all
RGW012S-200811	20H0118-03	all
RGW009S-200811	20H0118-04	all
RGW147S-200811	20H0118-05	all
RGW150S-200811	20H0118-06	all
RGW253I-200811	20H0118-07	all
Trip Blanks-200811	20H0118-08	VOCs

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Hold times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and

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reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in EPA guidelines (EPA, 2014a and b).

Samples were received by ARI on August 11, 2020. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6° Celsius.

Organic analyses

Samples were analyzed for VOCs. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. Surrogates Acceptable
- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable
- 6. Field Duplicates Acceptable

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of five percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate relative percent differences (RPDs) is 30 percent for concentrations greater than five times the reporting limit. The RPD is not calculated for results that are less than five times the reporting limit, as indicated on the table below by "NC." In these cases, the absolute value of the difference between the primary and duplicate result should not exceed the value of the reporting limit. The field duplicate RPDs were within the control limits.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (ng/L)	Duplicate Result (ng/L)	Reporting Limit (ng/L)	RPD (%)
	vinyl chloride	190	191	20.0	<1
RGW014S-200811/ RGWDUP4-200811	cis-1,2-dichloroethene	93.2	90.8	20.0	3
	trichloroethene	ND	ND	20.0	NC

Abbreviations

ng/L = nanograms per liter

NC = not calculated

ND = not detected

RPD = relative percent difference

7. Reporting Limits and Laboratory Flags – Acceptable

Inorganic analyses

Samples were analyzed for TOC. Laboratory data were evaluated for the following parameters:

1. Preservation and Holding Times – Acceptable

- 2. Blanks Acceptable
- 3. LCS Acceptable
- 4. MS Acceptable
- 5. Laboratory Duplicates Acceptable
- 6. Field Duplicates Acceptable

One field duplicate was submitted for TOC analysis during this sampling event, meeting the project frequency requirement of five percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate RPDs is 30 percent for concentrations greater than five times the reporting limit. The field duplicate RPD was within the control limits

Sample ID/ Field Duplicate ID	Analyte	Primary Result (mg/L)	Duplicate Result (mg/L)	Reporting Limit (mg/L)	RPD (%)
RGW014S-200811/ RGWDUP4-200811	TOC	4.39	4.43	0.50	<1

Abbreviations

mg/L = milligrams per liter RPD= relative percent difference TOC = total organic carbon

7. Reporting Limits – Acceptable

Overall assessment of data

A summary of the data assessment is presented in the table below. The completeness of work order number 20H0118 is 100 percent. Evaluation of the usefulness of these data is based on the EPA guidance document listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte
RGWDUP4-200811	none
RGW014S-200811	none
RGW012S-200811	none
RGW009S-200811	none
RGW147S-200811	none
RGW150S-200811	none
RGW253I-200811	none
Trip Blanks-200811	none

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References

- Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.
- U.S. Environmental Protection Agency (EPA), 2014a, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.
- EPA, 2014b, U.S. EPA National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-013-001, August.

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Memo

To: Kathleen Goodman, Project Manager Project: PS20203450.2020

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

AOC-090

ARI Work Order Number: 20H0127

This memo summarizes the data quality review of five primary groundwater samples and a trip blank sample collected on August 12, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology (Ecology). The samples were selectively analyzed for the following:

- Volatile organic compounds (VOCs) (acetone, methylene chloride, trans-1,2-dichlorethene, cis-1,2-dichloroethene, chloroform, carbon tetrachloride, benzene, toluene, and 1,1,2-trichloroethane) by U.S. Environmental Protection Agency (EPA) Method 8260D;
- VOCs (vinyl chloride, 1,1-dichloroethene, trichloroethene, tetrachloroethene, and 1,1,2,2-tetrachloroethane) by EPA Method 8260D with selected ion monitoring (SIM);
- Total petroleum hydrocarbons in the gasoline range (TPH-G) by Ecology Method NWTPH Gx;
- Total petroleum hydrocarbons in the diesel and motor oil ranges (TPH-D and TPH O) by Ecology Method NWTPH-Dx (with silica gel cleanup).

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW208S-200812	20H0127-01	Vinyl chloride w/ SIM
RGW178S-200812	20H0127-02	Vinyl chloride w/ SIM
RGW189S-200812	20H0127-03	VOCs and TPH
RGW207S-200812	20H0127-04	Vinyl chloride w/ SIM
RGW176S-200812	20H0127-05	Vinyl chloride w/ SIM
TripBlanks-200812	20H0127-06	All

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan Addendum (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the

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laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS), laboratory duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in EPA quidelines (EPA, 2014).

ARI received the samples on March 12, 2020. The temperatures of the coolers were recorded upon receipt and were less than the maximum acceptable temperature of 6 degrees Celsius (°C).

Organic analyses

Samples were analyzed for VOCs and TPH. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. Surrogates Acceptable except as noted:

The MS/MSD sample had one surrogate above control limits for percent recovery, indicating a slight positive bias for the VOCs in this analysis. The data is not qualified for use.

- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable except as noted:

The percent recovery in the MS/MSD sample was above control limits for multiple VOC analytes. The LCS/LCSD samples were within control limits for the same analytes, therefore the variation is likely due to matrix effect. The data is not qualified for use.

6. Field Duplicates - Acceptable

Field duplicates were not collected at this site during this sampling event. The project frequency requirement of one field duplicate for every 20 samples was achieved with field duplicate samples collected at other sites included in this sampling event.

7. Reporting Limits and Laboratory Flags – Acceptable

Overall assessment of data

The completeness of ARI work order numbers 20H0127 is 100 percent. Evaluation of the usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data, as qualified, meet the project's data quality objectives.

A summary of the data quality review is presented in the table below.

Sample ID	Qualified Analyte
RGW208S-200812	none
RGW178S-200812	none

Sample ID	Qualified Analyte
RGW189S-200812	none
RGW207S-200812	none
RGW176S-200812	none
TripBlanks-200812	none

References

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.

U.S. Environmental Protection Agency (EPA), 2014, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.

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Memo

To: Kathleen Goodman, Project Manager Project: PS20203450.2020

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761

Date: September 25, 2020

Subject: Summary Data Quality Review

August 2020 Boeing Renton Groundwater Sampling

Apron A

ARI Work Order Number: 20H0102

This memo presents the summary data quality review of one primary groundwater sample and one trip blank sample collected on August 10, 2020. The samples were submitted to Analytical Resources, Inc., (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology. The samples were analyzed for the following:

- Volatile organic compounds (VOCs) (vinyl chloride and cis-1,2-dichloroethene) by U.S. Environmental Protection Agency (EPA) Method 8260D; and
- Total organic carbon (TOC) by Standard Method 5310B.

The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW264S-200810	20E0102-01	all
Trip Blanks-200810	20E0102-02	VOCs

Data were reviewed in accordance with the appropriate method procedures and criteria documented in the Quality Assurance Project Plan (QAPP) (Amec Foster Wheeler, 2016). The control limits provided in the QAPP are advisory limits; therefore, the most current control limits provided by the laboratory were used to evaluate the quality control data. In cases where the laboratory did not track limits for an analyte, the limits in the QAPP were used.

Holding times, method/trip blanks, surrogate recoveries, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in the EPA quidance documents (EPA, 2014a and b).

ARI received the samples on August 10, 2020. The temperature of the coolers were recorded upon receipt and was below the maximum acceptable temperature of 6 degrees Celsius. The laboratory logged the samples with the time on the chain-of-custody and proceeded with analysis.

Organic analyses

Samples were analyzed for VOCs. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. Surrogates Acceptable
- 4. LCS/LCSD Acceptable
- 5. MS/MSD Acceptable

Extra volume was not submitted for project specific MS/MSD analyses. Sample precision is evaluated based on LCS and LCSD recoveries. The MS/MSD project frequency requirement of one MS/MSD for every 20 samples was achieved with extra volume submitted at other sites included in this sampling event.

6. Field Duplicates – Acceptable

Field duplicates were not collected at this site during this sampling event. The project frequency requirement of one field duplicate for every 20 samples was achieved with field duplicate samples collected at other sites included in this sampling event

7. Reporting Limits and Laboratory Flags – Acceptable.

Inorganic analyses

Samples were analyzed for TOC. Laboratory data were evaluated for the following parameters:

- 1. Preservation and Holding Times Acceptable
- 2. Blanks Acceptable
- 3. LCS Acceptable
- 4. MS/MSD Acceptable

Extra volume was not submitted for project specific MS/MSD analyses. Sample precision is evaluated based on LCS and LCSD recoveries. The MS/MSD project frequency requirement of one MS/MSD for every 20 samples was achieved with extra volume submitted at other sites included in this sampling event.

- 5. Laboratory Duplicates Acceptable
- 6. Field Duplicates Acceptable

Field duplicates were not collected at this site during this sampling event. The project frequency requirement of one field duplicate for every 20 samples was achieved with field duplicate samples collected at other sites included in this sampling event

7. Reporting Limits and Laboratory Flags – Acceptable.

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20H0102 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte
RGW264S-200810	none
Trip Blanks-200810	none

References

- Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for the Boeing Company, February.
- U.S. Environmental Protection Agency (EPA), 2014a, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-014-002, August.
- EPA, 2014b, U.S. EPA National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-013-001, August.

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Appendix D

TABLE D-1: SWMU-168 HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹

Boeing Renton Facility, Renton, Washington

														Well ID ²												
	Current													CPOC Area												
	Cleanup		GW229S GW230I GW230I GW230S GW231S 2016 3/1/2017 8/14/2017 3/5/2018 8/13/2018 3/4/2019 8/12/2019 3/9/2020 11/7/2016 3/1/2017 8/14/2017 3/5/2018 8/13/2018 3/4/2019 8/12/2019 3/9/2020 8/10/2020 11/7/2016 3/1/2017 8/14/2017 3/5/2018 8/13/2018 8/13/2019 8/12/2019 3/9/2020 8/10/2020 11/7/2016 3/1/2017 8/14/2017 3/5/2018 8/13/2018 3/4/2019 8/12/2019 3/9/2020 8/10/2020 11/7/2016 3/1/2017 8/14/2017 3/5/2018 8/13/2018 8/13/2018 8/13/2019 8/12/2019 3/9/2020 8/10/2020 8/10/2020 8/10/2020 8/10/2020 8/10/2020 8/10/2017 8/14/2017 8/1																							
Analyte	Level ³	11/7/2016	3/1/2017	8/14/2017	3/5/2018	8/13/2018	3/4/2019	8/12/2019	3/9/2020	11/7/2016	3/1/2017	8/14/2017	3/5/2018	8/13/2018	3/4/2019	8/12/2019	3/9/2020	8/10/2020	11/7/2016	3/1/2017	8/14/2017	3/5/2018	8/13/2018	3/4/2019	8/12/2019	3/9/2020
Volatile Organic Con	mpounds (µg/	L)																								
Vinyl Chloride	0.11	0.020 U	0.020 U	0.021	0.0273	0.020 U	0.0211	0.020 U	0.020 U	0.032	0.020 U	0.20	0.0873	0.14	0.0566	0.336	0.087	0.162	0.020 U	0.020 U	0.020 U	0.0393	0.0326	0.0327	0.026	0.020 U

Notes:

1. Data qualifiers are as follows:

U = The analyte was not detected at the reporting limit indicated.

2. **Bolded** values exceed the cleanup levels.

3. S = shallow well; I = intermediate well.

4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

Abbreviations:

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

TABLE D-2: SWMU-172 AND SWMU-174 GROUP HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN^{1, 2}

Boeing Renton Facility, Renton, Washington

		1																			
	_										W	ell ID ³									
	Current										Sou	irce Area									
	Cleanup					GV	V152S									GW15	3 S				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020
Volatile Organic Compour	ds (μg/L)																				
cis-1,2-Dichloroethene	0.03	0.348	0.981	1.7	0.678	0.655	0.627	0.530	0.892	0.719	1.66	0.0649	0.171	0.238	0.107	0.108	0.278	0.204	0.0736	0.0789	0.0551
Tetrachloroethene	0.02	1.39	1.09	0.846	0.086	0.0594	0.176	0.384	1.12	2.38	0.319	0.020 U	0.0845	0.370	0.020 U	0.020 U	0.0544	0.164	0.024	0.020 U	0.020 U
Trichloroethene	0.02	0.226	0.833	0.223	0.152	0.157	0.203	0.145	0.278	0.412	0.579	0.020 U	0.241	0.394	0.020 U	0.0212	0.0326	0.131	0.02 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.0972	0.187 J	0.246	0.128	0.173	0.0705	0.0366	0.15	0.0463	0.284	0.313 J	0.248	0.289	0.333	0.242	0.153	0.0859	0.249	0.266	0.135
Total Metals (µg/L)																					
Arsenic	1.0	2.99 J	75.7	22.6	7.54	4.49	23.4	7.48	3.84	1.95	6.72	3.51	5.67	7.84	4.49	5.97	4.72	11.9	5.48	3.85	4.05
Copper	3.5	2.86	24.1	4.76	5.12	2.35	21.8	16.6	8.03	2.76	7.45 J	1.01	2.55	16.2	2.00	1.25	1.58	10.2	3.09	1.73	1.68
Lead	1.0	1.52 J	12.7	2.48 J	3.33	1.26	14.8	12.1	6.13	1.09	3.89	0.207	3.06	0.381	0.352	0.198	0.351	2.76	0.712	0.372	0.326

											Well ID	3								
	Current									Do	wngradient Pl	ume Area								
	Cleanup					GW081S									GW1	72S				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020
Volatile Organic Compoun	ds (µg/L)																			
cis-1,2-Dichloroethene	0.03	0.0311	0.0243	0.0327	0.0355	0.025	0.0282	0.0311	0.0357	0.041	0.641	0.129	0.116	0.111	0.0581	0.027	0.0561	0.305	0.214	0.0561
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0663	0.020 U	0.020 U	0.020 U	0.020 U	0.0376	0.020 U	0.020 U	0.0451	0.0287	0.976	0.0625	0.0603
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0872	0.0370	0.020 U	0.020 U	0.020 U	0.020 U	0.384	0.028	0.020 U
Vinyl Chloride	0.11	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	1.41	1.24	0.0742	0.167	0.0808	0.0376	0.0905	0.209	0.369	0.0628
Total Metals (µg/L)																				
Arsenic	1.0	1.63	2.30	2.20	2.33	2.49	2.49	2.69	1.87	2.03	5.52	8.84	7.24	6.52	7.71	10.6	20.5	32.8	7.03	10.8
Copper	3.5	0.534	0.811	0.561	0.536	0.546	1.38	1.96	0.791	1.24	0.989	2.50 U	1.77	2.07	2.13	3.86	9.25	27.6	2.2	6.12
Lead	1.0	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.116	0.210	0.100 U	0.147	0.772	1.02	1.13	0.774	0.991	1.02	7.44	15.1	1.07	2.58

												Well ID ³										
	Current										Dow	ngradient Plun	ne Area									
	Cleanup					GW	V173S										GW226S					
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020	3/5/2018	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020
Volatile Organic Compoun	ds (µg/L)																					
cis-1,2-Dichloroethene	0.03	0.020 U	0.111	0.0753	0.0756	0.037	0.022	0.0378	0.0504	0.0488	0.0313	0.0408	0.0401	0.0262	0.020 U	0.0387	0.0223	0.0259	0.0235	0.0396	0.0305	0.0218
Tetrachloroethene	0.02	0.061	0.0301	0.218	0.0842	0.0416	0.0561	0.0246	0.0224	0.020 U	0.020 U	0.020 U	0.020 U	0.0733	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0279
Trichloroethene	0.02	0.0344	0.0681	0.206	0.149	0.0742	0.0256	0.0379	0.0305	0.0215	0.0239	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.046	0.0969 J	0.0448 J	0.0312	0.0486	0.0613	0.072	0.144	0.126	0.0455	0.0428	0.026	0.0409 J	0.0655	0.0432	0.0459	0.029	0.0615	0.038	0.0594	0.0415
Total Metals (µg/L)																						
Arsenic	1.0	1.80	13.0	4.59	6.72	7.38	12.2	15.6	11.8	6.72	7.00	4.14	3.27	2.78	3.44	5.07	2.97	2.85	12.0	4.88	3.33	4.93
Copper	3.5	3.48	6.95	3.85	4.38	1.11	1.39	4.68	1.51	0.875	3.19	2.60	1.05	1.19	2.28	4.55	0.500 U	0.626	15.6	5.00	0.704	1.48
Lead	1.0	0.314	2.88	0.706	0.712	0.251	0.290	1.36	0.442	0.215	0.470	0.297	0.129	0.141	0.422	0.413	0.100 U	0.100 U	2.43	0.500	0.190	0.136

TABLE D-2: SWMU-172 AND SWMU-174 GROUP HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN^{1, 2}

Boeing Renton Facility, Renton, Washington

											Well ID	3								
	Current																			
											CPOC Are	a								
	Cleanup					GV	/232S									GW233I				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compoun	ds (µg/L)																			
cis-1,2-Dichloroethene	0.03	0.367	0.489	0.426	0.250	0.319	0.378	0.659	0.221	0.352	0.482	0.0598	0.0587	0.0692	0.075	0.054	0.0697	0.0546	0.0552	0.0646
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.0331	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0225	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.419	0.544 J	0.564	0.242	0.348	0.412	0.860	0.264	0.337	0.425	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Total Metals (μg/L)																				
Arsenic	1.0	5.36	6.52	8.01	5.12	3.96	6.29	8.09	2.73	4.71	3.83	0.532	0.421	0.481	0.529	0.428	0.397	0.594	0.467	0.527
Copper	3.5	0.500 U	0.628	13.3	1.70	1.15	0.878	3.85	2.22	0.539	0.627	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.774	0.500 U	0.597
Lead	1.0	0.100 U	0.275	0.338	0.167	0.167	0.102	0.378	0.354	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.102	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

											W	'ell ID ³									
	Current										CP	OC Area									
	Cleanup					GW	/234S									GW23	51				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020
Volatile Organic Compoun	ıds (μg/L)																				
cis-1,2-Dichloroethene	0.03	0.0672	0.0758	0.112	0.0869	0.0630	0.0738	0.0850	0.0984	0.092	0.0914	0.166	0.121	0.158	0.135	0.109	0.0638	0.109	0.127	0.156	0.104
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0297	0.020 U	0.020 U	0.0253	0.0305	0.0338	0.0353	0.0342	0.020 U	0.0287	0.0336	0.031	0.0227
Vinyl Chloride	0.11	0.020 U	0.0282 J	0.0488	0.0273	0.0235	0.0252	0.0309	0.0302	0.032	0.0279	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Total Metals (µg/L)																					
Arsenic	1.0	0.820	2.07	1.72	2.11	2.22	1.31	10.1	27.4	5.31	3.26	0.200 U	0.200 U	0.230	0.200 U	0.403	0.292	0.237	0.251	0.289	0.288
Copper	3.5	NA	0.748	1.27	1.75	1.93	0.869	33.2	32.9	2.43	3.21	0.500 U	0.500 U	0.500 U	0.500 U	1.58	0.714	0.573	0.935	1.08	1.30
Lead	1.0	NA	0.425	0.781	0.701	0.843	0.280	15.5	11.8	0.671	1.25	0.100 U	0.100 U	0.104	0.322	0.405	0.182	0.127	0.235	0.223	0.304

						We	II ID ³				
	Current					СРО	C Area				
	Cleanup					GW	/236S				
Analyte	Level ⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	8/10/2020
Volatile Organic Compoun	nds (µg/L)										
cis-1,2-Dichloroethene	0.03	0.0297	0.0427	0.0690	0.0443	0.0281	0.0468	0.108	0.0241	0.036	0.0881
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.0206	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.020 U	0.020 U	0.0323	0.020 U	0.020 U	0.020 U	0.0437	0.020 U	0.020 U	0.020 U
Total Metals (µg/L)											
Arsenic	1.0	1.80	2.69	3.35	2.81	2.10	3.70	36.5	6.29	2.10	10.1
Copper	3.5	2.05	0.500 U	0.924	0.919	2.17	0.893	66.9	21.2	4.24	10.8
Lead	1.0	2.49	0.874	1.48	1.94	1.90	1.53	117	18.7	2.61	10.8

Notes

1. Data qualifiers are as follows:

U = The analyte was not detected at the reporting limit indicated.

J = The value is an estimate.

2. **Bolded** values exceed the cleanup levels.

3. S = shallow well; I = intermediate well.

4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

<u>Abbreviations</u>

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance SWMU = solid waste management unit

Wood Environment & Infrastructure Solutions, Inc.

TABLE D-3: BUILDING 4-78/79 SWMU/AOC GROUP HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1,2

Boeing Renton Facility, Renton, Washington

	C																Well ID ³														
	Current																ource Area														
	Cleanup					G	W031S										V033S									GWC					
Analyte	Level⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	8/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	8/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	8/11/2020
Volatile Organic Compound	ds (µg/L)																														
Benzene	0.80	8.95	3.21	28.3 J	55.9	7.13	3.47	4.77	37.1	17.6	1.72 J	12.8	13.3	13.6	11.7	12.5	10.4	11.5	10.2	9.75	12.5	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.56 J	0.63 J	0.20 U	0.43	0.47	0.40	0.61	0.40 J	0.67 J	40.7	1.94	9.35	0.79	0.41	0.78	2.78	21.4	39.5	188	0.20 U	0.21	0.25	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	1.13	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.40 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.25	0.29	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.28	0.31 J	0.20 U	0.29	0.21	0.25	0.20 U	0.20 U	0.32 J	110	6.46	36.7	3.26	0.53	1.16	13.0	52.2	87.3	310	0.24	0.53	0.54	0.20	0.20 U	0.39	0.39	0.20 U	0.21	0.41
Total Petroleum Hydrocari	oons (µg/L)																														
TPH-G (C7-C12)	800	917	1,640	2,010	4200	1020	1390	1540	2,980	1,880	1,160	239	258	500 U	395	297	277	347	296	301	255	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

	1	ı														Well ID ³													
	Current																												
	Cleanup															ource Area													
	Cleanup					GW039S	·								GW243I										/244S				
Analyte	Level ⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	8/11/2020
Volatile Organic Compound	ids (µg/L)																												
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	1.66	0.34	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	3.63	4.64	2.95	1.73	1.47	1.77	0.87	0.52	0.46	0.43
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.80	0.44	0.26	0.82	2.03	0.37	0.20 U	0.68	1.06	1.12
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.92	0.20 U	0.20 U	0.22	0.20 U	0.20 U	0.20 U	0.23	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.06	0.62	0.55	0.86	1.45	0.71	0.35	0.7	0.85	0.98
Total Petroleum Hydrocarl	bons (µg/L)																												
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	132	100 U	106	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

	1														Well ID	•												
	Current													Do	wngradient P	lume Area												
	Cleanup					GW038S									GW209S									GW210S				
Analyte	Level ⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020
Volatile Organic Compoun	nds (µg/L)																											
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.28	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocar	bons (µg/L)																											
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

	Current Cleanup															Well IE CPOC A	·ea													
	Cleanup					G	W143S										1237S									GW238I				
Analyte	Level⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	8/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	8/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020
Volatile Organic Compoun	ds (µg/L)																													
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	8.57	0.43	0.93	9.58	2.20	0.43	0.66	3.48	1.03	0.24	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.33	1.82	0.20 U	0.20 U	0.20 U	2.20	0.20 U	0.21	0.20 U	1.17	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.25	0.22	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.60	0.20 U	0.20 U	0.20 U	1.05	0.20 U	0.20 U	0.20 U	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.28	0.29	0.25	0.20 U	0.38	0.34	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocarl	bons (µg/L)																													
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	1,740	499	100 U	1,680	100 U	329	100 U	961	729	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

																Well ID ³													
	Current															CPOC Area													
	Cleanup					GW2391									GV	V240D									GW241S				
Analyte	Level ⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	8/11/2020	5/7/2018	8/13/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020
Volatile Organic Compound	ds (µg/L)																												
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.23	0.23	0.24	0.23	0.27	0.26	0.24	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocark	bons (µg/L)																												
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

						Well ID ³				
	Current					CPOC Area	ı			
	Cleanup					GW2421				
Analyte	Level⁴	5/7/2018	8/13/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020
Volatile Organic Compound	ds (µg/L)									
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocark	ons (µg/L)									
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

Notes

1. Data qualifiers are as follows:

U = The analyte was not detected at the reporting limit indicated.

UJ = The result is estimated and was not detected at the reporting limit indicated.

J = The value is an estimate.

2. Bolded values exceed the cleanup levels.

3. S = shallow well; I = intermediate well; D = deep well.

4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

Abbreviations
μg/L = micrograms per liter
AOC = area of concern
CPOC = conditional point of compliance
SWMU = solid waste management unit
TPH-G = total petroleum hydrocarbons as qasoline

TABLE D-4: FORMER FUEL FARM HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1, 2

Boeing Renton Facility, Renton, Washington

										V	Vell ID ³								
						Source Are	a								CPOC Area				
	Current Cleanup					GW255S									GW183S				
Analyte	Level ⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocar	bons (mg/L)																		
TPH-D (C12-C24)	0.5	0.094 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.110 U
Jet A	0.5	0.094 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.110 U

											Well ID ³									
											CPOC Are	a								
	Current Cleanup					GV	V211S									GW212S				
Analyte	Level ⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	8/10/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocar	bons (mg/L)																			
TPH-D (C12-C24)	0.5	0.32	0.75	0.22	0.903	0.272	0.341	0.124	0.120	0.282	0.192	0.12 U	0.095 U	0.094 U	0.100 U	0.100 U	0.109	0.100 U	0.100 U	0.100 U
Jet A	0.5	0.37	0.58	0.24	0.245	0.214	0.191	0.117	0.117	0.267	0.155	0.12 U	0.095 U	0.094 U	0.100 U	0.100 U	0.108 U	0.100 U	0.100 U	0.100 U

											Well ID ³									
											CPOC Are	a								
	Current Cleanup						V224S									GW256S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	8/10/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocar	oons (mg/L)																			
TPH-D (C12-C24)	0.5	1.2	1.4	0.73	1.84	0.560	1.56	0.256	1.46	0.675	1.08	0.094 U	0.095 U	0.096 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Jet A	0.5	2.3	2.2	1.4	1.97	0.933	1.64	0.388	1.80	0.918 J	1.42	0.11	0.095 U	0.096 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

						Well ID ³				
						CPOC Area				
	Current Cleanup					GW258S				
Analyte	Level ⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocar	bons (mg/L)									
TPH-D (C12-C24)	0.5	0.095 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Jet A	0.5	0.095 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

TABLE D-4: FORMER FUEL FARM HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1, 2

Boeing Renton Facility, Renton, Washington

					We	II ID³ (contin	ued)			
					СРО	C Area (conti	nued)			
	Current Cleanup					GW184S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocar	bons (mg/L)									
TPH-D (C12-C24)	0.5	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Jet A	0.5	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

						Well ID ³	(continued)				
						CPOC Area	(continued)				
	Current Cleanup					GW	/221S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	8/10/2020
Total Petroleum Hydrocar	bons (mg/L)										
TPH-D (C12-C24)	0.5	0.64	0.63	0.55	3.63	0.746	1.50	0.630	1.65	1.58	7.67
Jet A	0.5	0.58	0.52	0.48	2.12	0.635	0.863	0.397	1.09	1.09	5.70

					We	ll ID³ (contin	ued)			
					СРО	C Area (conti	nued)			
	Current Cleanup					GW257S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocarl	bons (mg/L)									
TPH-D (C12-C24)	0.5	0.095 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Jet A	0.5	0.095 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

Note

- 1. Data qualifiers are as follows:
- U = The analyte was not detected at the reporting limit indicated.
- J = The value is an estimate.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well; I = intermediate well.
- 4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

<u>Abbreviations</u>

AOC = area of concern

CPOC = conditional point of compliance

mg/L = milligrams per liter

SWMU = solid waste management unit

TPH-D = total petroleum hydrocarbons as diesel

TABLE D-5: AOC-003 HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1,2

Boeing Renton Facility, Renton, Washington

									Well	ID ³							
	[Source	Area							Downgradient	Plume Area			
	Current				GW2	495							GW18	88			
Analyte	Cleanup Level⁴	3/7/2018	5/8/2018	8/15/2018	#########	3/5/2019	8/14/2019	3/12/2020	8/10/2020	3/7/2018	5/8/2018	8/15/2018	11/13/2018	3/5/2019	8/14/2019	3/12/2020	8/10/2020
Volatile Organic Compour	nds (µg/L)																
cis-1,2-Dichloroethene	0.78	0.102	0.0757	0.0524	0.0829	0.079	0.0526	0.0604	NA	0.0606	0.0531	0.0386	0.0636	0.0493	0.0361	0.0362	NA
Tetrachloroethene	0.02	0.0496	0.020 U	0.020 U	0.020 U	0.0105	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.0107	0.020 U	0.0244	NA
Trichloroethene	0.16	0.0475	0.0211	0.020 U	0.020 U	0.0157	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.0125	0.020 U	0.020 U	NA
Vinyl Chloride	0.24	0.114	0.428	0.413	0.629	0.424	0.367	0.334	0.261	0.443	0.505	0.404	0.813	0.537	0.545	0.235	0.288

											Well	ID ³									
											CPOC .	Area									
	Current					GW2	247S									GW2	48I				
Analyte	Cleanup Level ⁴	5/8/2018	8/15/2018	11/13/2018	3/5/2019	5/8/2019	8/14/2019	11/12/2019	3/12/2020	5/13/2020	8/10/2020	5/8/2018	8/15/2018	11/13/2018	3/5/2019	5/8/2019	8/14/2019	11/12/2019	3/12/2020	5/13/2020	8/10/2020
Volatile Organic Compou	nds (µg/L)																				
cis-1,2-Dichloroethene	0.78	0.0949	0.081	0.102	0.0728	0.0584	0.065	0.0635	0.039	0.584	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U	NA
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.126	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
Trichloroethene	0.16	0.0257	0.0291	0.0208	0.018	0.020 U	0.020 U	0.148	0.02 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0514	0.020 U	0.020 U	NA
Vinyl Chloride	0.24	0.46	0.453	0.679	0.392	0.497	0.613	0.504	0.305	0.409	0.392	0.573	0.526	0.987	0.707	0.551	0.541	0.62	0.499	0.546	0.383

<u>Notes</u>

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well; I = intermediate well.
- 4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

<u>Abbreviations</u>

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

NA = not analyzed

NS = not sampled

TABLE D-6: AOC-004 HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1,2

Boeing Renton Facility, Renton, Washington

						Well ID ³										
	Current					Source Area										
	Cleanup	GW250S														
Analyte	Level ³	11/10/2016	3/1/2017	8/17/2017	3/6/2018	8/15/2018	3/5/2019	8/14/2019	3/9/2020	8/12/2020						
Metals (mg/L)																
Lead	0.001	0.0020	0.0030	0.00026	0.000941	0.00107	0.00154	0.000714	0.00119	0.000611						

					Wel	I ID ³										
	Current				СРО	C Area										
	Cleanup	GW174S														
Analyte	Level ³	11/10/2016	3/1/2017	8/17/2017	3/6/2018	8/15/2018	3/5/2019	8/14/2019	3/9/2020							
Metals (mg/L)																
Lead	0.001	0.0013 J	0.0016 J	0.0010	0.000449	0.000762	0.000815	0.000549	0.000974							

Notes

- 1. Data qualifiers are as follows:
- J = The value is an estimate.
- 2. S = shallow well
- 4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

Abbreviations

mg/L = milligrams per liter

AOC = area of concern

CPOC = conditional point of compliance

TABLE D-7: AOC-060 HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1, 2

Boeing Renton Facility, Renton, Washington

	Current					Well ID ³ Source Area	a			
	Cleanup					GW009S				
Analyte	Levels ⁴	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/11/2020
Volatile Organic Compour	nds (µg/L)									
cis -1,2-Dichloroethene	0.08	0.16	0.093	0.15	0.0948	0.126	0.107	0.127	0.093	0.124
Trichloroethene	0.02	0.032	0.022	0.033	0.0252	0.0238	0.0239	0.020 U	0.0242	0.0324
Vinyl Chloride	0.26	0.40	0.26	0.39	0.241 J	0.318	0.285	0.300	0.183	0.219

	_														Well ID ⁵													
	Current													Dow	ngradient Plu	ıme Area												
	Cleanup			GW012S GW014S GW014S GW014S GW014S GW014S GW147S 2017 8/16/2017 3/6/2018 8/14/2018 3/5/2019 8/14/2019 3/10/2020 8/11/2020 8/11/2020 8/23/2016 3/6/2017 8/16/2017 3/6/2018 8/14/2019 3/10/2020 8/11/2020 8/23/2016 3/6/2017 8/16/2017 3/6/2018 8/14/2019 3/10/2020 8/11/2020 8/11/2020 8/23/2016 3/6/2017 8/16/2017 3/6/2018 8/14/2019 3/10/2020 8/11/																								
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/11/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/11/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/11/2020
Volatile Organic Compour	nds (µg/L)																											
cis -1,2-Dichloroethene	0.08	5.2	1.6	0.95	0.609	1.29	1.23	0.798	0.482	0.508	0.17	0.13	0.18	0.134	0.122	0.119	0.143	0.151	0.0932	16	0.16	3.0	0.211	4.63	0.955	4.11	0.287	0.931
Trichloroethene	0.02	3.0	0.11	0.098	0.0568	0.656	0.0546	0.0471	0.0505	0.0518	0.025	0.043	0.039	0.0347	0.0273	0.0254	0.020 U	0.0419	0.020 U	3.6	1.5	2.6	1.91	4.23	0.475	1.46	1.20	3.37
Vinyl Chloride	0.26	2.5	2.0	1.4	0.586	0.605	1.35	0.893	0.603	0.387	0.30	0.30	0.31	0.266	0.232 J	0.214	0.365	0.195	0.190	3.1	0.020 U	0.21	0.020 U	1.07 J	0.0514	0.215	0.020 U	0.0643

	Current													Well ID ³ CPOC Area	,											
	Cleanup				GW	149S								GW150S	<u> </u>							GW	252S			
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/11/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020
Volatile Organic Compoun	ds (µg/L)																									
cis -1,2-Dichloroethene	0.08	0.076	0.067	0.070	0.0565	0.0441	0.0623	0.0427	0.0574	0.10	0.055	0.091	0.0388	0.0506	0.0737	0.0824	0.0525	0.0935	0.034	0.024	0.039	0.0215	0.0266	0.020 U	0.0342	0.0259
Trichloroethene	0.02	0.020 U	0.020 U	0.022	0.020 U	0.026	0.020 U	0.0305	0.020 U	0.0228	0.02 U	0.0291	0.020 U	0.020 U												
Vinyl Chloride	0.26	0.080	0.11	0.068	0.0854	0.0399	0.0843	0.0482	0.085	0.20	0.092	0.096	0.0596	0.0203	0.103	0.020 U	0.0541	0.0619	0.020 U	0.020 U						

	Current									Well ID ³ CPOC Are								
	Cleanup		GW253I GW254S /2016 3/6/2017 8/16/2017 3/6/2018 8/14/2018 3/5/2019 8/14/2019 3/10/2020 8/11/2020 8/23/2016 3/6/2017 8/16/2017 3/6/2018 8/14/2018 3/5/2019 8/14/2019															
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/11/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020
Volatile Organic Compoun	ıds (μg/L)																	
cis -1,2-Dichloroethene	0.08	0.089	0.10	0.11	0.0991	0.0796	0.127	0.0917	0.0915	0.0879	0.11	0.062	0.11	0.0589	0.0926	0.0983	0.116	0.0736
Trichloroethene	0.02	0.023	0.024	0.029	0.020 U	0.0204	0.0221	0.020 U	0.0212	0.0211	0.020 U	0.020 U						
Vinyl Chloride	0.26	0.13	0.13	0.14	0.132	0.113	0.143	0.131	0.184	0.100	0.067	0.038	0.043	0.0303	0.0418	0.0749	0.0465	0.0405

Notes:

1. Data qualifiers are as follows:

U = The analyte was not detected at the reporting limit indicated.

J = The value is an estimate.

2. **Bolded** values exceed the cleanup levels.

3. S = shallow well; I = intermediate well.

4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

Abbreviations:

μg/L = micrograms per liter AOC = area of concern

CPOC = conditional point of compliance

TABLE D-8: AOC-090 HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN^{1, 2}

Boeing Renton Facility, Renton, Washington

														Wel	I ID ³												
	Current					Source Area												Downg	radient Plun	ne Area							
	Cleanup					GW189S ⁵				ĺ				GW	175I								GW176S				
Analyte	Levels 4	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	8/12/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	8/12/2020
Volatile Organic Compounds (μg/L)																										
1,1,2,2-Tetrachloroethane	0.17	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
1,1,2-Trichloroethane	0.2	1.00 U	0.40 U	0.20 U	0.20 U	2.00 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
1,1-Dichloroethene	0.057	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0529	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
Acetone	300	25.1	10.0 U	5.0 U	5.00 U	70	5.00 U	5.0 U	5.0 U	5.00 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.38	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA
Benzene	0.8	1.00 U	0.41	1.69	0.55	2.42	0.20	0.49	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Carbon Tetrachloride	0.23	1.00 U	0.40 U	0.20 U	0.20 U	2.00 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Chloroform	2	1.00 U	0.40 U	0.20 U	0.20 U	2.23	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
cis-1,2-Dichloroethene	2.4	1.16	1.18	2.23	1.74	22.3	0.92	6.87	0.20 U	1.93	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.25	0.34	0.26	0.27	0.25	0.27	0.25	NA
Methylene Chloride	2	5.00 U	2.00 U	1.0 U	1.00 U	10.9 UJ	1.00 U	1.0 U	1.0 U	1.00 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA
Tetrachloroethene	0.05	0.0549	0.020 U	0.020 U	0.020 U	0.20 U	0.028	0.020 U	0.0263	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
Toluene	75	13.1	18.7	2.84	6.34	21.7	4.96	3.11	0.20 U	1.05	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.42	0.20 U	0.20 U	0.20 U	0.20 U	NA
trans-1,2-Dichloroethene	53.9	1.00 U	0.56	0.40	0.48	2.00 U	0.20 U	0.39	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Trichloroethene	0.08	0.19	0.156	0.279	0.224	2.38	0.156	0.414	0.0745	0.324	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
Vinyl Chloride	0.13	0.020 U	0.48	1.00	0.508 J	2.09 J	0.50	1.20	0.020 U	0.369	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.260	0.286	0.208	0.230	0.294	0.301	0.207	0.232
Total Petroleum Hydrocarbon	s (µg/L)																										
TPH-G (C7-C12)	800	2,290	2,260	2,010	1,860	9,440	1,070	943	189	699	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA
TPH-D (C12-C24)	500	146	398	689	200	4,120	362	432	100 U	150	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA
TPH-O (C24-C40)	500	200 U	582	949	298	2,000 U	522	853	200 U	379	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA

														Wel	ID 3												
	Current													Shallow Zon		,											
	Cleanup					GW178S								GW ⁻		4							GW207S				
Analyte	Levels 4	11/8/2016	3/2/2017	8/15/2017	3/5/2018		3/5/2019	8/12/2019	3/11/2020	8/12/2020	11/8/2016	3/2/2017	8/15/2017			3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018		3/5/2019	8/12/2019	3/11/2020	8/12/2020
Volatile Organic Compounds	(μg/L)																										
1,1,2,2-Tetrachloroethane	0.17	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
1,1,2-Trichloroethane	0.2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
1,1-Dichloroethene	0.057	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.023	0.020 U	0.020 U	0.020 U	NA
Acetone	300	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.54	5.0 U	5.0 U	NA	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA
Benzene	0.8	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.23	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Carbon Tetrachloride	0.23	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Chloroform	2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
cis-1,2-Dichloroethene	2.4	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.29	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Methylene Chloride	2	NA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	NA	NA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	NA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	NA
Tetrachloroethene	0.05	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA
Toluene	75	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
trans-1,2-Dichloroethene	53.9	NA	0.20 U	0.26	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA
Trichloroethene	0.08	NA	0.020 U	0.0277	0.0214	0.0213	0.0213	0.020 U	0.021	NA	NA	0.020 U	0.026	0.020 U	0.020 U	0.020 U	0.0239	0.020 U	NA	0.020 U	0.0412	0.020 U	0.0388	0.020 U	0.0305	0.020 U	NA
Vinyl Chloride	0.13	NA	0.699	0.191	0.409	0.378	0.392	0.3840	0.1840	0.141	NA	0.020 U	0.0395	0.020 U	0.020 U	0.020 U	0.0485	0.020 U	NA	0.0758	0.2380	0.0300	0.311 J	0.0692	0.020 U	0.020 U	0.377
Total Petroleum Hydrocarbon	ns (µg/L)																										
TPH-G (C7-C12)	800	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA
TPH-D (C12-C24)	500	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA
TPH-O (C24-C40)	500	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA

TABLE D-8: AOC-090 HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN^{1, 2}

Boeing Renton Facility, Renton, Washington

	1									2001119	Rentonia	eey, recrite	,,,asııııı													
	1													Well ID ³												
	Current				Shallo	w Zone CPO	C Area										Int	termediate Zo	ne CPOC A	rea						
	Cleanup					GW208S					1			GW	/163I							GW	/1651			
Analyte	Levels ⁴	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	8/12/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020
Volatile Organic Compounds	(μg/L)				·																					
1,1,2,2-Tetrachloroethane	0.17	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	0.057	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Acetone	300	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	NA	5.00 U	5.0 U	5.00 U	5.00 U	6.90	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U
Benzene	0.8	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Tetrachloride	0.23	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	NA	0.20 U	0.23	0.20	0.20 U	0.21	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	2	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U
Tetrachloroethene	0.05	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Toluene	75	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	53.9	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.08	NA	0.020 U	0.0281	0.020 U	0.0234	0.020 U	0.0293	0.020 U	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.13	NA	0.565	0.330	0.388	0.097	0.437	0.245	0.419	0.343	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Total Petroleum Hydrocarboi	ns (µg/L)																									
TPH-G (C7-C12)	800	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TPH-D (C12-C24)	500	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
TPH-O (C24-C40)	500	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U

	١								Wel	I ID ³							
	Current							Int	ermediate Z	one CPOC Ai	ea						
	Cleanup				GW	1771							GW	/179I			
Analyte	Levels 4	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020
Volatile Organic Compounds	(μg/L)																
1,1,2,2-Tetrachloroethane	0.17	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	0.057	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Acetone	300	NA	5.00 U	7.08	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	7.16	5.0 U	5.0 U
Benzene	0.8	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Tetrachloride	0.23	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	2	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U
Tetrachloroethene	0.05	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Toluene	75	NA	0.20 U	0.20 U	0.25	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	53.9	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.08	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.13	NA	0.1820	0.0871	0.0454	0.0303	0.0573	0.0339	0.020 U	NA	0.0632	0.020 U	0.0332	0.020 U	0.1330	0.0368	0.020 U
Total Petroleum Hydrocarbon	s (µg/L)																
TPH-G (C7-C12)	800	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TPH-D (C12-C24)	500	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
TPH-O (C24-C40)	500	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U

Notes

- 1. Data qualifiers are as follows:
- U = The analyte was not detected at the reporting limit indicated.
- J = The value is an estimate.
- UJ = The analyte was not detected at the estimated reporting limit indicated.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well; I = intermediate well.
- 4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.
- 5. GW189S is the replacement well for GW168S.

Abbreviations:

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

NA = well not available for sampling SWMU = solid waste management unit

TPH-D = total petroleum hydrocarbons as diesel

TPH-G = total petroleum hydrocarbons as gasoline

TPH-O = total petroleum hydrocarbons as oil

TABLE D-9: APRON A HISTORICAL CONCENTRATIONS OF CONSTITUENTS OF CONCERN $^{1,\,2}$

Boeing Renton Facility, Renton, Washington

	Well ID ³							
	GW262S							
Analyte	11/17/2016	5/9/2017	11/14/2017	5/7/2018	11/13/2018	5/7/2019	11/11/2019	5/12/2020
Volatile Organic Compounds (µg/L)								
cis-1,2-Dichloroethene	0.2 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.2 U	0.3	0.29	0.25	0.20 U	0.20 U	0.20 U	0.20 U

	Well ID 3								
	GW264S								
Analyte	11/17/2016	5/9/2017	11/14/2017	5/7/2018	11/13/2018	5/7/2019	11/11/2019	5/12/2020	8/10/2020
Volatile Organic Compounds (μg/L)									
cis-1,2-Dichloroethene	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.52
Vinyl Chloride	0.2 U	3.4	0.97	1.63	0.55	1.39	0.38	1.48	0.20 U

Notes:

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 3. S = shallow well

Abbreviations:

 μ g/L = micrograms per liter

wood.

Appendix E

APPENDIX E

Summary of Remedial Actions at the Boeing Renton Facility July - September 2020

Boeing Renton Site Renton, Washington

Prepared for:
The Boeing Company
EHS Remediation

Prepared by: CALIBRE Systems, Inc. Project No. T0014323

November 15, 2020

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	, , , , , , , , , , , , , , , , , , , ,			
List of Figures				

Figure 1-1	Site Location/AOC Outlines

Figure 2-1 SWMU-172/174 Area SVE System Layout

Figure 2-2 Cumulative VOC Mass Removed – SWMU-172/174 SVE System

Acronyms

AOC Area of Concern

Building 4-78/79 Building 4-78/4-79 SWMU/AOC Group

CALIBRE Systems, Inc.

CMP Compliance Monitoring Plan EDR Engineering Design Report

ERD Enhanced Reductive Dechlorination

GAC granular activated carbon

mg/L milligrams per liter
PCE Tetrachloroethene
PID Photoionization detector
SVE Soil Vapor Extraction

SWMU Solid Waste Management Unit

TCE Trichloroethene

Tech Memo Technical Memorandum VOCs Volatile Organic Compounds

VPC Vapor Phase Carbon

1.0 Introduction

CALIBRE Systems, Inc. (CALIBRE) prepared this Technical Memorandum (Tech Memo) for the Boeing Company to summarize remedial actions implemented at the Boeing Renton Facility in the third quarter of 2020 (between July 1 and September 30, 2020). The ongoing remedial actions include:

- 1. Operation of one soil vapor extraction (SVE) system located at Solid Waste Management Unit (SWMU) designated as SWMU-172/174;
- 2. Biological treatment to promote Enhanced Reductive Dechlorination (ERD) of volatile organic compounds (VOCs) in groundwater underway at several areas of concern (AOCs) located throughout the Renton Facility, and;
- 3. Anaerobic biodegradation of benzene by nitrate/sulfate injections at the 4-78/79 Building.

CALIBRE completed the work described in this Tech Memo to support remedial activities described in the Engineering Design Report (EDR), (AMEC, 2014) as supplemented by a Tech Memo describing the remedial approach for *in situ* biodegradation treatment of benzene in groundwater near the 4-78/79 Building (CALIBRE 2017).

1.1 Facility Location and Background

The Boeing Renton Facility is used for assembly of 737 airplanes and is located at the southern end of Lake Washington in Renton, Washington. The location of the Renton Facility and the location of SWMU-172/174 within the Facility is shown on Figure 1-1. The locations of the other AOCs and SWMUs where groundwater treatment is ongoing are also presented in Figure 1-1.

1.2 Objectives and Organization

The objective for this Tech Memo is to summarize work completed in accordance with the EDR in the third quarter of 2020. This includes operation and monitoring activities for the SVE system located at SWMU-172/174 and a summary of the ongoing biological treatment and monitoring of groundwater at the following areas:

SWMU-172/174
Building 4-78/4-79 SWMU/AOC Group (Building 4-78/79)
AOC-001/002
AOC-003
Lot 20/Former Building 10-71
AOC-060
AOC-090
Building 4-70, and
Apron A

This Tech Memo is organized as follows: Section 1 – Introduction and Background Section 2 – SVE System Operation and Monitoring

Section 3 – Groundwater Treatment

Section 4 – Conclusions and Recommendations

Section 5 – References

Attachment A – Field Data Sheets

Attachment B – Laboratory Data Packages

2.0 SVE Systems Operation and Monitoring

SVE systems were installed in the Building 4-78/79 and SWMU-172/174 areas and began operation in April 2015. During the last quarter of 2017 photoionization detector (PID) results from both systems had shown low-level VOC concentrations removed at asymptotically low levels. Rebound tests were conducted in early 2018 followed by collection of soil confirmation samples from both areas in June 2018. Ecology approved the recommended shutdown of the Building 4-78/79 SVE system on November 1, 2018 after review and evaluation of the soil confirmation results for that area (CALIBRE 2018a). Operational modifications have continued at the SWMU-172/174 SVE system to optimize VOC removal for that area. The following sections summarize the operating conditions, operational changes, and performance monitoring/evaluation for the SWMU-172/174 SVE system performed in the third quarter 2020 (July to September 2020).

2.1 SWMU-172/174 SVE System

The SWMU-172/174 SVE system consists of three vapor extraction wells and a SVE equipment trailer as shown in Figure 2-1. The SVE system is equipped with two vapor-phase granular activated carbon (GAC) vessels, each filled with 1,800 pounds of carbon. The GAC vapor treatment system is configured to run in a lead-lag configuration with vapor from the outlet of the lead vessel passing through the lag vessel. The system historically included two smaller vessels each containing 200 pounds of zeolite impregnated with permanganate for vinyl chloride treatment. Permanganate treatment was originally included in the design to treat potential vinyl chloride that would not be captured in GAC. Monitoring data has demonstrated that vinyl chloride is not present in the inlet air stream and permanganate treatment is not required or providing any benefit and may be discontinued in the future. The lag permanganate drum became plugged during the fourth quarter 2019 and was taken offline. The lead permanganate drum is still operating within the treatment system.

Routine maintenance including oil changes, drive-belt tensioning and inspection, inspection of the air filter, and inspection of the moisture separator was completed per the Operations Manual (CALIBRE, 2014).

System monitoring includes regular monitoring of total organic vapor concentrations with a calibrated PID.

2.1.1 TO-15 Laboratory Analysis of Vapor Samples

A total of three samples for TO-15 analysis were collected during this operating period. The results showed tetrachloroethene (PCE) represented an average of approximately 83% of the total VOCs for the SWMU-172/174 SVE system influent, SVE-2 and SVE-3 samples collected in September 2020, similar in distribution to prior monitoring events. Table 2-1 summarizes the TO-15 detections for the SWMU-172/174 SVE system

for 17 TO-15 sampling events¹ that have been implemented since system startup. The samples were analyzed by EuroFins Air Toxics and the laboratory report is included in Attachment B.

2.1.2 Summary of Operations and Operational Changes

The soil confirmation samples collected in the second quarter of 2018 identified a location between SVE-2 and SVE-3 which still showed detectable PCE levels in soil. During subsequent reporting periods, the SVE system has been adjusted to alter the flushing pattern through this area by using SVE-3 as an inlet vent well with continued extraction through SVE-2 and SVE-1 or using SVE-1 as an inlet vent well with continued extraction through SVE-2 and SVE-3. Vapor concentrations, measured with a PID, are monitored following these adjustments and additional modifications to alter the flushing pattern are made when vapor concentrations reduce to previous low-level detections.

During this reporting period, third quarter 2020, the system operated with SVE-1 as an air inlet well with extraction at SVE-2 and SVE-3. PID vapor concentrations were elevated above prior low-level concentrations in July and August at the operating wells and system influent following the system down time during the prior quarter due to COVID-19 health and safety concerns. The subsequent monitoring events in September and October 2020 have shown the PID vapor concentrations begin to drop and level off. Operational changes will be completed in the fourth quarter 2020 in the event these concentrations remain at asymptotic levels. Table 2-2 shows the PID readings for the wells in the SWMU-172/174 SVE system and Table 2-3 shows an operational summary for the system. The operational logs are included in Attachment A.

2.1.3 Mass Removal Estimate

Between April 17, 2015 and September 23, 2020 the SWMU-172/174 SVE system has recovered an estimated 21.0 pounds of VOCs (primarily PCE), as shown in Table 2-3. Approximately 0.66 pounds of VOCs were removed during the current reporting period (third quarter 2020) based on the TO-15 measurements collected while the system was operating. It is likely the PID is picking up other vapors from the paint shop in the 5-09 building; the area around the 5-09 building can at times have a noticeable paint odor. The cumulative VOC mass removal for the SWMU-172/174 SVE system is shown in Figure 2-2.

2.2 Recommended Next Steps for the SVE Systems

Vapor concentrations measured with PID in September and October 2020 show SVE-2, SVE-3, and the system influent are reducing to prior low-level concentrations, following the system downtime/restart in the prior quarter. TO-15 results from September 2020 show total CVOCs are reduced at SVE-3 and the system influent compared to May 2020 rebound samples. If the PID measurements remain at asymptotic levels, the system will be modified to alternate flows between wells as has been done in the past (i.e. SVE-3 is extracting and will be changed to an inlet vent and vice versa for SVE-1). Summa can samples for TO-15

¹ Multiple changes to SVE system operations have been implemented over the period where data are shown. Changes to extraction flow rates by SVE wells are used to maximize the VOC mass removal and the corresponding SVE influent concentration is highly dependent on the flow rate from selected wells.

analysis will be planned for the fourth quarter 2020 to monitor changes in vapor concentrations if observed.

Additional modifications to the operation of this system should be considered to continue increased mass removal in the area between SVE-2 and SVE-3. These modifications may include opening SVE-1 and SVE-3 as an inlet vent or SVE-1 and SVE-2 as an inlet vent, to focus vapor removal in that area. It may also be beneficial to operate the SVE system in a pulsed mode in order to allow vapor concentrations to rebound followed by running the system for a period of time.

3.0 Ongoing Groundwater Treatment

Groundwater treatment is being implemented at several AOCs/SWMUs at the Renton Facility. The primary remedy being implemented is ERD of chlorinated solvents in targeted areas. The ERD treatment involves substrate injection using sucrose as a carbon source to stimulate biological degradation of the chlorinated solvents. Substrate injections were completed at selected wells during this reporting period in August 2020 at SWMU-172/174, Building 4-78/79, AOC-60, AOC-90, Apron A, and AOC-003. The list of wells by area including substrate volume and mass are summarized in Table 3-1.

Beginning in late 2017, anaerobic biodegradation of benzene using nitrate and sulfate injections was implemented for a small area at the 4-78/79 Building. Boeing has continued additional nitrate/sulfate injections in the area; the most recent injection was completed in August 2020 (eighth event) with a target concentration of 1,600 mg/L for nitrate and 800 mg/L for sulfate per well (similar to what was injected in January 2020) to provide additional nitrate and sulfate to the impacted area, see Table 3-2. Performance monitoring was completed at the injection and monitoring wells at this area in September 2020 and those results are summarized in Table 3-3. The results show benzene is below baseline concentrations in seven of the nine wells monitored in this area with reductions ranging from 73% to 97%.

Site-wide groundwater sampling was conducted as part of the quarterly monitoring program during this reporting period and the results are discussed in the main text of the quarterly report. Table 3-4 presents a summary of those groundwater monitoring results, by area, related to groundwater treatment/ERD implementation.

4.0 Conclusions and Recommendations

SVE operations at the SWMU-172/174 were restarted during the prior reporting period following the planned shut down in response to the on-going COVID-19 virus and the Governor's Stay-at-Home Order. Increased vapor concentrations were observed at the system influent following the system restart in May 2020 and were sustained into August 2020 at which point they began to drop to prior low-level concentrations. Samples for TO-15 analysis collected in September 2020 show total CVOCs have reduced below the May 2020 rebound samples at the system influent and SVE-3. Additional modifications to increase flushing between extraction wells SVE-2 and SVE-3, based on the elevated PCE detections observed during the soil confirmation sampling event in the second quarter of 2018, may be considered.

Groundwater monitoring will continue in accordance with the EDR and approved updates to the Compliance Monitoring Plan (CMP), with supplemental VOC and TOC sampling at selected wells.

Substrate injections for ERD treatment were completed at SWMU-172/174, Building 4-78/79, AOC-60, AOC-90, Apron A, and AOC-003 in this third quarter of 2020 following the site-wide groundwater sampling. In addition, an eighth round of nitrate/sulfate injections for benzene treatment at the Building 4-78/79 area was completed in August 2020 with collection of performance monitoring data in September 2020. Additional substrate and/or nitrate/sulfate injections will be recommended following the review of the fourth quarter 2020 monitoring results.

5.0 References

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CALIBRE 2014. Operations and Maintenance Plan for the Renton Cleanup Action Soil Vapor Extraction Systems. Prepared by CALIBRE Systems, Inc. for The Boeing Company, EHS Remediation. July 2014.

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CALIBRE 2018a. Recommendation to shut down SVE system at Building 4-78/4-79 SWMU/AOC Group; Boeing Renton Site. Prepared by CALIBRE Systems, Inc. for The Boeing Company, EHS Remediation. October 2018.

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USACE 2002. Engineering and Design - Soil Vapor Extraction and Bioventing. Prepared by US Army Corps of Engineers. EM 1110-1-4001. June 2002.

Wood 2019. Quarterly report, third quarter 2019. RCRA Corrective Action Program Boeing Renton Facility. Prepared by Wood and CALIBRE Systems, Inc. for the Boeing Company, EHS Remediation. November 2019.

TABLES

Table 2-1 TO-15 Analytical Results - SWMU-172/174 SVE System Project History

SVE System Inlet

SVE System inlet																
			cis-1,2-	trans-1,2-	Vinyl										Total	Total
Date	PCE	TCE	DCE	DCE	Chloride	1,1,1-TCA	1,1-DCA	Acetone	Toluene	m,p-Xylene	Chloroform	o-Xylene	Pentane	Hexane	Chlorinated	VOCs
4/17/2015	1,500	130	120	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	1,763	1,763
10/13/2015	400	31	13	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	447	447
3/8/2016	82	5.4	3.1	ND	ND	ND	ND	ND	1.1	2.2	ND	ND	ND	ND	91	94
6/30/2016	230	18	10	ND	ND	1.8	ND	11	ND	ND	2.4	ND	ND	ND	260	273
9/12/2016	230	16	8.3	ND	ND	1.9	ND	ND	ND	ND	1.2	ND	ND	ND	256	257
12/14/2016	100	6.2	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	110
5/30/2017 - 30 min	520	220	17	ND	ND	13	2.7	ND	ND	ND	ND	ND	ND	ND	773	773
5/30/2017 - 100 min	530	200	17	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	761	761
5/30/2017 - 225 min	510	130	16	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	668	668
8/16/2017	180	16	7.8	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	206	206
12/8/2017 - Rebound																
Start	99	7.6	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	110
5/22/2018	430	43	13	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	498	498
6/7/2018	160	13	5.4	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	180	180
6/20/2018	170	14	5.7	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	192	192
8/30/2018	110	8.6	3.7	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	122	122
2/13/2019	32	2.2	1.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	36
6/20/2019	74	6.2	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	84	84
5/19/20 - Rebound Start	150	17	5.7	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	177	177
5/21/20 - Rebound 48											İ					
Hrs	120	230	5	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	358	358
9/23/2020	110	11	3.7	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	127	127

SVE-1

				cis-1,2-	trans-1,2-	Vinyl										Total	Total
Date		PCE	TCE	DCE	DCE	Chloride	1,1,1-TCA	1,1-DCA	Acetone	Toluene	m,p-Xylene	Chloroform	o-Xylene	Pentane	Hexane	Chlorinated	VOCs
	6/20/2019	10	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	11

SVE-2

			cis-1,2-	trans-1,2-	Vinyl										Total	Total
Date	PCE	TCE	DCE	DCE	Chloride	1,1,1-TCA	1,1-DCA			Chloroform	o-Xylene	Pentane	Hexane	Chlorinated	VOCs	
8/30/2018	180	14	6.1	NA	ND	NA	NA			NA	NA	NA	200	200		
2/13/2019	48	3.3	2.8	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	54	54
6/20/2019	100	9.6	5.1	ND	ND	1.4	ND	ND	1.4	ND	ND	ND	ND	ND	116	118
5/19/20 - Rebound Start	28	3.8	1.4	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	35	35
5/21/20 - Rebound 48																
Hrs	20	3.4	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	26
9/23/2020	42	6.7	5.6	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	54	56

Table 2-1 TO-15 Analytical Results - SWMU-172/174 SVE System Project History

SVE-3

341-3																
Date	PCE	TCE	cis-1,2- DCE	trans-1,2- DCE	Vinyl Chloride	1,1,1-TCA	1,1-DCA	Acetone	Toluene	m n Vulana	Chloroform	o-Xylene	Pentane	Hexane	Total Chlorinated	Total VOCs
5/30/2017 - 30 min		51	18	ND	ND	1,1,1-1CA 14	2.6	ND	2.2	m,p-Xylene ND	ND	ND	ND	ND	626	628
5/30/2017 - 30 min		16	6.5	ND ND	ND ND	5.5	ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	228	228
								ND ND								
8/16/2017	350	30	15	ND	ND	3.5	ND	ND	ND	ND	1.3	ND	ND	ND	399	400
12/8/2017 - Rebound Start	170	13	5.8	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	191	191
1/19/2018 - 35-Day 60																
Minute Sample	310	30	13	ND	ND	6.9	1.3	ND	ND	ND	1.1	ND	ND	ND	361	362
1/19/2018 - 35-Day 180 Minute Sample	310	28	12	ND	ND	7.9	1.1	ND	ND	ND	1.1	ND	ND	ND	359	360
3/6/2018 - 80-Day 60																
Min Sample	440	41	15	ND	ND	14	2.2	ND	ND	ND	ND	ND	ND	ND	512	512
3/6/2018 - 80-Day 180																Ī
Min Sample	410	33	13	ND	ND	13	1.6	ND	ND	ND	ND	ND	ND	ND	471	471
5/22/2018	790	66	22	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	900	900
6/7/2018	280	23	9.6	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	316	316
6/20/2018	310	24	11	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	348	348
5/19/20 - Rebound Start	350	49	14	ND	ND	10	2.0	ND	ND	ND	ND	ND	ND	ND	425	425
5/21/20 - Rebound 48																I
Hrs	290	240	9.8	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	546	546
9/23/2020	410	37	11	ND	ND	6.0	ND	ND	3.8	ND	ND	ND	ND	ND	464	468

VPC Outlet

			cis-1,2-	trans-1,2-	Vinyl										Total	Total
Date	PCE	TCE	DCE	DCE	Chloride	1,1,1-TCA	1,1-DCA	Acetone	Toluene	m,p-Xylene	Chloroform	o-Xylene	Pentane	Hexane	Chlorinated	VOCs
4/17/2015	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	5.1
10/13/2015	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	11
3/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6/30/2016	ND	ND	ND	ND	ND	ND	ND	ND	15	1.6	ND	1.2	6.2	1.2	ND	25
9/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/14/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

All results are in parts per billion by volume (ppbv).

ND = non-detect NA = not analyzed

DCE = Dichloroethene

PCE = tetrachloroethene

TCE = trichloroethene

Total Chlorinated = the sum of PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, and 1,1-DCA.

Shaded cells are results from 3rd Quarter 2020.

Table 2-2 PID Monitoring - SWMU-172/174 SVE System

	Days in Operation							
Date	Since Startup 1	SVE-01	SVE-02	SVE-03	VPC Inlet	VPC Mid	VPC Outlet	Notes
7/2/2020	1,673	Vent	742	2,414	1,720		0	Changed blower oil
7/9/2020	1,680	Vent	964	1,860	1,682			Background PID @ 550 ppb
7/16/2020	1,687	Vent	486	992	566			
								SVE system was off at arrival, most likely due to
7/30/2020	1,701	Vent	661	4,928	1,170			high heat.
8/6/2020	1,708	Vent	9,925	15,000	14,300			
8/14/2020	1,716	Vent	2,160	9,057	5,848		0	
8/20/2020	1,722	Vent	1,567	1,502	2,057			
8/26/2020	1,728	Vent	851	14,380	6,651		0	
9/2/2020	1,735	Vent	71	1,752	1,106		0	
								System off at arrival, restarted system,
								collected GW samples at 4-78/79, then came
								back to screen system and collect TO-15
9/23/2020	1,756	Vent	380	1,312	583			samples.

Operational change was made on 6/20/19. Due to reduced concentrations observed at SVE-1 and the influent, SVE-01 was opened as a vent well to promote focused flow towards SVE-02 and SVE-03.

Blank cells - Not all wells were measured with the PID during each sampling event.

¹ Days in operation since system startup on April 17, 2015.

Table 2-3 VOC Mass Removal Estimate - SWMU 172/174 SVE System

Date	Average TO-15 Total CVOCs September 2020 (ppbv) ¹	System Flow (cfm)	Cumulative Runtime Hours	VOCs removed in Operating Period Between Monitoring Events (Ibs)	Cumulative VOC Mass Removed Since Start of SVE Operations in April, 2015 (lbs)
7/2/2020	127	100	32,335	0.155	20.45
7/9/2020	127	105	32,509	0.057	20.51
7/16/2020	127	105	32,669	0.052	20.56
7/30/2020	127	105	32,743	0.024	20.59
8/6/2020	127	100	32,913	0.053	20.64
8/14/2020	127	100	33,102	0.058	20.70
8/20/2020	127	100	33,248	0.045	20.74
8/26/2020	127	100	33,388	0.043	20.78
9/2/2020	127	100	33,557	0.052	20.84
9/23/2020	127	90	33,989	0.120	20.96

PID = photoionization detector ppbv = parts per billion by volume cfm = cubic feet per minute

lbs = pounds

¹ VOC mass calculated in 3rd Quarter 2020 is based on the average of the total VOCs detected in the September 2020 TO-15 samples from the system influent. The paired PID readings are significantly higher than the laboratory results and if used, would overestimate the mass removal.

Table 3-1 - August 2020 Injection Summary at Renton AOCs

Area	Injection Well	Volume of Solution - ERD (gallons)	Brix (°Bx)	Pounds Substrate in the Solution (lbs)
SWMU-172/174	B172-01	500	8.5	354
	B172-02	485	8.5	344
	B172-03	470	8.5	333
	B172-04	510	9.7	404
	B172-05	510	9.7	403
	B172-06	510	9.7	410
	B172-07	500	9.6	388
	B172-08	511	9.7	421
	B172-09	500	9.6	391
	B172-10	500	9.6	383
	B172-11	500	9.6	389
	B172-12	507	9.6	389
	B172-13	470	8.5	333
	B172-14	490	9.7	387
Building 4-78/79	B78-12	512	7.4	318
	B78-14	507	7.4	314
	B78-15	523	7.4	324
	B78-16	520	7.4	323
AOC-060	GW012S	743	8.2	508
	GW147S	742	8.2	507
AOC-090	IPR3	489	12.0	489
	IPR4	483	12.0	483
	GW 189S	517	12.0	517
Apron A	GW 263S	750	9.1	569
	GW 264S	Would not accept substrate		
	GW 265S	750	9.1	569
AOC-003	B003-01	553	8.5	392
	B003-02	496	8.5	352
	B003-03	479	8.5	340
	B003-04	511	8.5	362
	Total (gal)	15,538	Total (lbs)	11,699

[°]Bx (degrees brix) is a measure of the sugar content in an aqueous solution. One degree Brix is 1 gram of sucrose in 100 grams of solution and represents the strength of the solution as percantage by mass

Table 3-2 - August 2020 Injection Volumes at 4-78/79 Benzene Treatment Wells

Area	Injection Well	Volume Total (gal)	NaNO3 (lbs)	MgSO4 (lbs)	DAP (lbs)	Concentration NO3 Injected (mg/L)	Concentration SO4 Injected (mg/L)
Building 4-78/79	B78-11	500	9.12	4.18	5.36	1,599	803
	B78-13	479	9.12	4.18	5.36	1,669	838
	B78-17	486	9.12	4.18	5.36	1,645	826
	B78-18	500	9.12	4.18	5.36	1,599	803
	B78-19	500	9.12	4.18	5.36	1,599	803
	B78-20	527	9.12	4.18	5.36	1,517	762
	B78-21	500	9.12	4.18	5.36	1,599	803

NaNO3 - Sodium Nitrate MgSO4 - Magnesium Sulfate DAP - Diammonium Phosphate

Table 3-3 - Baseline and Performance Monitoring Groundwater Data; 4-78/79 Benzene Treatment Area

	1	I			-:- 1.2	1			1	1		1	1			
		Cample Donth	TCE		cis-1,2- DCE				Donzono		Nitrate		Nitrite		Sulfate	
Sample ID	Data	Sample Depth					VC (ug/L)		Benzene							
Sample ID	Date	(ft bgs)	(ug/L)	-	(ug/L)		VC (ug/L)	<u> </u>	(ug/L)		(mg-N/L)		(mg-N/L)		(mg/L)	┝
B78-11-8-113017	11/20/2017	8	0.42	-	0.00		1.11	<u> </u>	0.00		رم د مرد د مرد مرد	U	40 100	U	1.94	!
B78-11-8-113017 B78-11-021418	11/30/2017 2/14/2018	8	0.42 1.16		0.98 0.84		1.11		9.66 14.8		<0.100	U	<0.100 <0.100	U	9.22	D
B78-11-051518	5/15/2018	8	1.16	\vdash	0.84		1.09		12.6		<0.100	U	<0.100	U	34.1	D
B78-11-031318	9/17/2018	8	5.01	1	7.90		3.62		9.20		<0.100	U	<0.100	U	23.4	D
B78-11-020719	2/7/2019	8	3.13	\vdash	2.47		1.81		4.88		<0.100	U	<0.100	U	25.4	D
B78-11-050719	5/7/2019	8	8.60	-	6.55		3.56	<u> </u>	2.15		<0.100	U	<0.100	U	47.0	D
B78-11-030719	11/20/2019	8	4.56	1	4.75		3.06		0.97		<0.100	U	<0.100	U	5.65	D
B78-11-021120	2/11/2020	8	7.21	\vdash	6.00		3.10		1.20		<0.100	U	<0.100	U	118	D
B78-11-021120	9/23/2020	8	<0.2	U	3.14		3.52		2.64		0.205	U	<0.100	U	2.38	U
D76-11-032320	3/23/2020		₹0.2	U	3.14		3.32	<u> </u>	2.04		0.203		₹0.100	U	2.30	<u> </u>
B78-13-15-112917	11/29/2017	15	0.24	П	1.29	1	2.02	1	9.92	1	0.135		<0.100	U	0.652	
B78-13-021418	2/14/2018	15	<0.2	U	1.78		8.49		4.11		<0.100	U	<0.100	U	1.31	
B78-13-051518	5/15/2018	15	<0.2	U	0.85		0.87		4.94		0.182		<0.100	U	4.32	D
B78-13-180917	9/17/2018	15	<0.2	U	0.61		0.38		3.29		<0.100	U	<0.100	U	0.812	
B78-13-180317	2/7/2019	15	<0.2	U	0.37		0.29		0.74		<0.100	U	<0.100	U	0.189	
B78-13-050719	5/7/2019	15	<0.2	U	0.57		0.45		1.16		<0.100	U	<0.100	U	<0.100	U
B78-13-030719	11/20/2019	15	<0.2	U	0.40		0.30	М	1.81		<0.100	U	<0.100	U	0.354	_
B78-13-021120	2/11/2020	15	<0.2	U	0.40		0.30	IVI	1.42		<0.100	U	<0.100	U	2.87	D
B78-13-021120	9/23/2020	15	<0.2	U	0.37		0.43		1.00		0.396	U	<0.100	U	13.9	D
B76-13-032320	3/23/2020	15	₹0.2	U	0.44	<u> </u>	0.41	<u> </u>	1.00		0.330		\0.100	U	13.3	U
B78-17-9-100617	10/6/2017	9	<0.2	U	0.17	J	0.33		4.84		_		_			
B78-17-15-112917	11/29/2017	15	1.25	U	0.17	J	1.31		6.52		<0.100	U	<0.100	U	17.1	D
B78-17-021418	2/14/2018	15	2.57	\vdash	1.78		1.47		4.61		<0.100	U	<0.100	U	7.35	D
B78-17-051518	5/15/2018	15	0.91		1.63		0.53		2.60		<0.100	U	<0.100	U	8.66	D
B78-17-031318	+	15	<0.2	U	0.39		<0.2	U	1.37		<0.100	U	<0.100	U	9.63	D
	9/17/2018 2/7/2019	15	<0.2	U	0.59		0.47	U	0.56		0.101	U	<0.100	U	2.32	U
B78-17-020719 B78-17-050719	5/7/2019	15	5.00	U	5.72		1.79		1.07		0.101		<0.100	U	4.92	D
B78-17-030719	+	15	<0.2	U	0.69		0.26	М	0.28		<0.101	U	<0.100	U	1.32	U
B78-17-112019	2/11/2020	15	7.03	U	4.33		3.34	IVI	0.28		<0.100	U	<0.100	U	17.5	D
B78-17-021120	9/23/2020	15	0.65	1	0.86		0.37		0.01		1.63	U	<0.100	U	44.9	D
D76-17-032320	3/23/2020	13	0.03		0.80	<u> </u>	0.37	<u> </u>	0.40		1.03		₹0.100	U	44.5	U
B78-18-8-100617	10/6/2017	8	<0.2	U	0.07	J	0.29		0.72		_		_			
B78-18-15-112917	11/29/2017	15	<0.2	U	<0.2	U	0.35	М	3.10		<0.100	U	<0.100	U	0.343	-
DUP-01-112917	11/29/2017	15	<0.2	U	<0.2	U	0.36	101	2.96		<0.100	U	<0.100	U	1.68	-
B78-18-021418	2/14/2018	15	<0.2	U	<0.2	U	0.24		1.28		<0.100	U	<0.100	U	1.47	
B78-18-051518	5/15/2018	15	<0.2	U	<0.2	U	0.23		1.68		<0.100	U	<0.100	U	27.6	D
B78-18-180917	9/17/2018	15	<0.2	U	<0.2	U	<0.2	U	0.89		<0.100	U	<0.100	U	7.28	D
B78-18-020719	2/7/2019	15	<0.2	U	<0.2	U	0.22	Ť	1.32		<0.100	U	<0.100	U	2.41	D
B78-18-050719	5/7/2019	15	<0.2	U	0.31	Ť	0.24		1.66		<0.100	U	<0.100	U	2.44	D
B78-18-112019	11/20/2019	15	<0.2	U	<0.2	U	0.21	М	1.18		<0.100	U	<0.100	U	2.64	D
B78-18-021120	2/11/2020	15	0.38	Ť	0.43		0.56		1.20		<0.100	U		U	23.7	D
B78-18-092320	9/23/2020	15	<0.2	U	0.27		<0.2	U	1.05		<0.100	υ	<0.100	υ	70.2	D
	-	!		-					<u>!</u>				<u> </u>			
B78-19-9-100617	10/6/2017	9	<0.2	U	0.06	J	0.22		0.69		-		-		-	
B78-19-15-112917	11/29/2017	15	<0.2	U	<0.2	U		М	0.36		<0.100	U	<0.100	U	0.255	
B78-19-021418	2/14/2018	15	<0.2	U	<0.2	U	0.21		0.23		<0.100	U	<0.100	U	1.22	
B78-19-051518	5/15/2018	15	<0.2	U	<0.2	U	0.21		0.34		<0.100	U	<0.100	U	22.4	D
B78-19-180917	9/17/2018	15	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.100	U	<0.100	U	1.91	
B78-19-020719	2/7/2019	15	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.100	U	<0.100	U	2.16	
B78-19-050719	5/7/2019	15	<0.2	U	<0.2	U	<0.2	U	0.50		<0.100	U	<0.100	U	14.2	D
B78-19-112019	11/20/2019	15	<0.2	U	<0.2	U	0.2	М	0.21		<0.100	U	<0.100	U	0.454	
B78-19-021120	2/11/2020	15	<0.2	U	<0.2	U	<0.2	U	0.26		0.395		<0.100	U	28.3	D
B78-19-092320	9/23/2020	15	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.100	U	0.11		1.97	
		-		-			-								_	-
B78-20-8-100617	10/6/2017	8	<0.2	U	<0.2	U	0.14	J	8.81		-		-		-	
B78-20-15-113017	11/30/2017	15	0.41		<0.2	U	<0.2	U	25.9		2.93	D	<0.100	U	53.9	D
B78-20-021418	2/14/2018	15	0.25		0.49	М	<0.2	U	40.0		<0.100	U	<0.100	U	21.1	D
B78-20-051518	5/15/2018	15	<0.2	U	0.39		0.22		54.2		<0.100	U	<0.100	U	15.5	D
B78-20-180917	9/17/2018	15	0.24		0.27		0.29		0.98		<0.100	U	<0.100	U	2.39	
B78-20-020719	2/7/2019	15	<0.2	U	0.41	М	0.25		16.5		<0.100	U	<0.100	U	1.89	
B78-20-050719	5/7/2019	15	<0.2	U	0.32		0.28		16.3		<0.100	U	<0.100	U	4.93	D
B78-20-112019	11/20/2019	15	<0.2	U	0.25		0.31	М	5.04		0.129		<0.100	U	2.47	

 ${\sf Table~3-3-Baseline~and~Performance~Monitoring~Groundwater~Data;~4-78/79~Benzene~Treatment~Area}$

					cis-1,2-											
		Sample Depth	TCE		DCE				Benzene		Nitrate		Nitrite		Sulfate	
Sample ID	Date	(ft bgs)	(ug/L)		(ug/L)		VC (ug/L)		(ug/L)		(mg-N/L)		(mg-N/L)		(mg/L)	
B78-20-021120	2/11/2020	15	<0.2	U	0.29		<0.2	U	6.62		<0.100	U	<0.100	U	11.1	D
B78-20-092320	9/23/2020	15	<0.2	U	0.37		<0.2	U	9.07		<0.100	U	<0.100	U	40.3	D
D70-20-032320	3/23/2020	13	10.2	U	0.37		10.2		3.07		10.100	Ü	10.100	U	40.5	
B78-21-8-100617	10/6/2017	8	<0.2	U	0.13	J	0.21		1.42		_		-		_	П
Dup01-100617	10/6/2017	15	<0.2	U	0.15	J	0.20	J	2.01		-		_		_	H
B78-21-15-112917	11/29/2017	15	<0.2	U	0.31	М	0.26		2.27		0.101		<0.100	U	4.43	D
B78-21-021418	2/14/2018	15	<0.2	U	0.24		0.30		0.86		<0.100	U	<0.100	U	1.60	
B78-21-051518	5/15/2018	15	<0.2	U	0.27		0.27		1.08		<0.100	U	<0.100	U	4.59	D
B78-21-180917	9/17/2018	15	0.22	Ť	0.29		<0.2	U	0.59		<0.100	U	<0.100	U	3.62	D
B78-21-020719	2/7/2019	15	<0.2	U	0.28		0.32		0.43		0.170	Ŭ	0.161	Ū	3.78	D
B78-21-050719	5/7/2019	15	<0.2	U	0.42		<0.2	U	0.80		<0.100	U	<0.100	U	5.73	D
B78-21-112019	11/20/2019	15	<0.2	U	0.30		<0.2	U	<0.2	U	<0.100	U	<0.100	U	5.92	D
B78-21-021120	2/11/2020	15	<0.2	U	0.30		0.31		<0.2	U	<0.100	U	<0.100	U	20.4	D
B78-21-092320	9/23/2020	15	<0.2	U	0.32		0.25		0.39		<0.100	U	<0.100	U	26.3	D
	7,20,2020					<u> </u>								لتا		
GW-244S-13-112917	11/29/2017	13	3.48		8.06		5.68		7.97		<0.100	U	<0.100	U	0.753	
GW-244S-021418	2/14/2018	13	1.01		1.25		1.22		5.34		<0.100	U	<0.100	U	1.25	
GW-244S	3/6/2018	13	1.26		2.00		1.56		6.86		-		-		-	
GW-244S-051518	5/15/2018	13	<0.2	U	0.30		0.41		3.89		<0.100	U	<0.100	U	<0.100	U
GW-244S-180917	9/17/2018	13	<0.2	U	0.25		0.38		3.74		<0.100	U	<0.100	U	0.113	
GW-244S	11/13/2018	13	<0.2	U	0.26		0.55		2.95		-		-		-	
GW-244S-020719	2/7/2019	13	<0.2	U	0.26		0.47		1.14		0.101		<0.100	U	0.337	
GW-244S	3/4/2019	13	0.22		0.82		0.86		1.73		-		-		-	
GW-244S-050719	5/7/2019	13	<0.2	U	1.22		1.18		1.13		<0.100	U	<0.100	U	1.45	
GW-244S	5/7/2019	13	<0.2	U	2.03		1.45		1.47		-		-		-	
GW-244S	8/13/2019	13	<0.2	U	0.37		0.71		1.77		-		-		-	
GW-244S	11/11/2019	13	<0.2	U	<0.2	U	0.35		0.87		-		-		-	
GW-244S-112019	11/20/2019	13	<0.2	U	<0.2	U	0.50	М	0.41		<0.100	U	<0.100	U	0.160	
GW-244S-021120	2/11/2020	13	0.22		0.56		0.67		0.25		0.145		<0.100	U	2.69	D
GW-244S	3/10/2020	13	0.23		0.68		0.70		0.52		-		-		-	
GW-244S-092320	9/23/2020	13	<0.2	U	0.26		0.39		0.20		<0.100	U	<0.100	U	3.96	
———																
GW-031S-23-113017	11/30/2017	23	<0.2	U	<0.2	U	<0.2	U	17.6		<0.100	U	<0.100	U	2.54	D
GW-031S-021418	2/14/2018	23	<0.2	U	0.45	U M	0.49	U	21.9		<0.100 <0.100	U	<0.100	U	2.54 3.67	D D
GW-031S-021418 DUP-01-021418	2/14/2018 2/14/2018	23 23	<0.2 <0.2	U	0.45 0.46	-	0.49 0.42		21.9 21.4			_		_		_
GW-031S-021418 DUP-01-021418 GW-031S	2/14/2018 2/14/2018 3/6/2018	23 23 23	<0.2 <0.2 <0.2	U	0.45 0.46 1.18	-	0.49 0.42 <0.2	U	21.9 21.4 60.3		<0.100 - -	U	<0.100 - -	U	3.67 - -	D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518	2/14/2018 2/14/2018 3/6/2018 5/15/2018	23 23 23 23	<0.2 <0.2 <0.2 0.36	U	0.45 0.46 1.18 0.40	-	0.49 0.42 <0.2 0.21		21.9 21.4 60.3 2.68		<0.100 - - <0.100	U	<0.100 - - <0.100	U	3.67 - - 2.95	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018	23 23 23 23 23 23	<0.2 <0.2 <0.2 0.36 0.32	U U	0.45 0.46 1.18 0.40 0.34	M	0.49 0.42 <0.2 0.21 0.20		21.9 21.4 60.3 2.68 2.64		<0.100 - - <0.100 <0.100	U	<0.100 - - <0.100 <0.100	U	3.67 - - 2.95 2.87	D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018	23 23 23 23 23 23 23	<0.2 <0.2 <0.2 0.36 0.32 <0.2	U U U	0.45 0.46 1.18 0.40 0.34 <0.2	-	0.49 0.42 <0.2 0.21 0.20 0.28		21.9 21.4 60.3 2.68 2.64 <0.2	U	<0.100 - - <0.100 <0.100 <0.100	U	<0.100 - - <0.100 <0.100 <0.100	UUUUU	3.67 - - 2.95 2.87 0.499	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018	23 23 23 23 23 23 23 23	<0.2 <0.2 <0.2 0.36 0.32 <0.2	U U U	0.45 0.46 1.18 0.40 0.34 <0.2	M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2	U	<0.100 - - <0.100 <0.100	U	<0.100 - - <0.100 <0.100	U	3.67 - - 2.95 2.87	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018	23 23 23 23 23 23 23 23 23 23	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2	υ υ υ υ	0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63	M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3	_	<0.100 <0.100 <0.100 <0.100 <0.100 -	U	<0.100 <0.100 <0.100 <0.100 <0.100	UUUUU	3.67 - - 2.95 2.87 0.499	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018	23 23 23 23 23 23 23 23 23 23 23 23	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2	υ υ υ υ	0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58	U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30	U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8	_	<0.100 <0.100 <0.100 <0.100 <0.100	U U U U	<0.100 <0.100 <0.100 <0.100 <0.100	U U U U	3.67 2.95 2.87 0.499 0.441 -	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01 GW-031S-020719	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019	23 23 23 23 23 23 23 23 23 23 23 23 23	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2	U U U U U U U	0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51	U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6	_	<0.100	U U U U U	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100 - <0.100		3.67 - 2.95 2.87 0.499 0.441 - 0.170	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.	U U U U U U U	0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57	U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7	_	<0.100 <0.100 <0.100 <0.100	U U U U	<0.100 <0.100 <0.100 <0.100 <0.100	U U U U	3.67 - 2.95 2.87 0.499 0.441 - 0.170 0.202	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2	U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9	_	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100	U U U U U	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100		3.67 - 2.95 2.87 0.499 0.441 - 0.170	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315 Dup-01	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2	U U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6	_	<0.100 <0.100 <0.100 <0.100	U U U U U	<0.100 <0.100 <0.100 <0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 -	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-0551518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01 GW-031S-020719 Dup-01-020719 GW-031S Dup-01 GW-031S	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019 5/7/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.30	U U U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90	_	<0.100 <0.100 <0.100 <0.100	U U U U U U	<0.100 <0.100 <0.100 <0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 - 1.86	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315 Dup-01 GW-0315-050719 Dup-01-050719	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019 5/7/2019 5/7/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 <0.2 <0.2 0.30 <0.2	U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16	_	<0.100 <0.100 <0.100 <0.100	U U U U U	<0.100 <0.100 <0.100 <0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 -	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315 Dup-01 GW-0315-050719 Dup-01-050719 GW-0315	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019 5/7/2019 5/7/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.30 <0.2 0.20	U U U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13	_	<0.100 <0.100 <0.100 <0.100	U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 - 1.86	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315 Dup-01 GW-0315-050719 Dup-01-050719 Dup-01-050719 GW-0315 Dup-01	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.30 <0.2 0.20 0.30 <0.2 0.30 <0.2	U U U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69	_	<0.100 <0.100 <0.100 <0.100	U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 - 1.86	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315-050719 Dup-01-050719 GW-0315 Dup-01 GW-0315 Dup-01 GW-0315 GW-0315 Dup-01 GW-0315	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.30 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.2	U U U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47	_	<0.100 <0.100 <0.100 <0.100	U U U U U U	<0.100 <0.100 <0.100 <0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 -	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315 Dup-01 GW-0315-050719 Dup-01-050719 Dup-01-050719 GW-0315 Dup-01	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.30 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.2	U U U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.37	_	<0.100	U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01 GW-031S-020719 Dup-01-020719 GW-031S-020719 Dup-01-050719 GW-031S-050719 Dup-01-050719 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40	M U U M M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.20	U U U	21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.37	_	<0.100	U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01 GW-031S-020719 Dup-01-020719 GW-031S-020719 Dup-01-050719 Dup-01-050719 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39	M U M M U U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.27 0.21 0.22 0.25 0.27		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.37 4.77	_	<0.100	U U U U U U U U U U U U U U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689	D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315-020719 Dup-01-050719 GW-0315-050719 Dup-01-050719 GW-0315 Dup-01 GW-0315 Dup-01 GW-0315 Dup-01 GW-0315 Dup-01 GW-0315 Dup-01 GW-0315	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019 11/20/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2	M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.20		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.37 4.75 1.90	_	<0.100	U U U U U U U U U U U U U U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 1.26	D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01 GW-031S-020719 Dup-01-020719 GW-031S-020719 Dup-01-050719 GW-031S-050719 Dup-01-050719 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S Dup-01 GW-031S	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019 11/20/2019	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2 <0.2 <0.2	M U U U U U U U U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.27 0.21 0.22 0.25 0.27 <0.2 0.27		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.37 4.75 1.90 2.31	_	<0.100	U U U U U U U U U U U U U U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 1.26 1.16	D D D
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GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315-020719 Dup-01-050719 Dup-01-050719 GW-0315 Dup-01 GW-0315-021120 Dup-01-112019	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019 11/20/2019 2/11/2020 2/11/2020	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2	M U U U U U U U U	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.27 0.21 0.22 0.25 0.27 <0.2 0.27 0.25 0.27		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.37 4.75 1.90 2.31 3.47 3.69	_	<0.100	U U U U U U U U U U U U U U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 1.26 1.16	D D D D D D D D D D D D D D D D D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315-020719 Dup-01-050719 GW-0315 Dup-01 GW-0315-021120 Dup-01-021120 GW-0315	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019 11/20/2019 2/11/2020 2/11/2020 3/10/2020	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2 <0.2 <0.2 <0.2 0.20 <0.2 <0.2 <0.2	M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.27 0.21 0.22 0.25 0.27 <0.2 0.27 0.25 0.27 <0.2		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.77 4.75 1.90 2.31 3.47 3.69 37.1	_	<0.100	U U U U U U U U U U U U U U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 1.26 1.16 3.29	D D D D D D D D D D D D D D D D D D D
GW-031S-021418 DUP-01-021418 GW-031S GW-031S-051518 Dup-01-051518 GW-031S-180917 Dup-01-180917 GW-031S Dup-01 GW-031S-020719 Dup-01-020719 GW-031S-020719 Dup-01-050719 GW-031S Dup-01 GW-031S	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019 11/20/2019 2/11/2020 3/10/2020 3/10/2020	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2 <0.2 <0.2 <0.2 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2	M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.24 <0.2 0.20 0.27 0.21 0.22 0.27 0.21 0.22 0.25 0.27 <0.2 0.27 <0.2 0.27 <0.2 0.27 0.21 0.22 0.25 0.27 <0.2 0.27		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.77 4.75 1.90 2.31 3.47 3.69 37.1 38.5	_	<0.100	U U U U U U U U U U U U U U U U U U U	<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 1.26 1.16 3.29 3.11 -	D D D D D D D D D D D D D D D D D D D
GW-0315-021418 DUP-01-021418 GW-0315 GW-0315-051518 Dup-01-051518 GW-0315-180917 Dup-01-180917 GW-0315 Dup-01 GW-0315-020719 Dup-01-020719 GW-0315-020719 Dup-01-050719 GW-0315 Dup-01 GW-0315-021120 Dup-01-021120 GW-0315	2/14/2018 2/14/2018 3/6/2018 5/15/2018 5/15/2018 9/17/2018 9/17/2018 9/17/2018 11/13/2018 11/13/2018 2/7/2019 2/7/2019 3/4/2019 5/7/2019 5/7/2019 5/7/2019 5/7/2019 8/13/2019 8/13/2019 11/11/2019 11/11/2019 11/20/2019 2/11/2020 2/11/2020 3/10/2020	23 23 23 23 23 23 23 23 23 23 23 23 23 2	<0.2 <0.2 <0.2 <0.2 0.36 0.32 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.		0.45 0.46 1.18 0.40 0.34 <0.2 0.21 0.63 0.58 0.51 0.57 <0.2 <0.2 0.22 0.27 0.43 0.38 0.47 0.48 0.40 0.39 <0.2 <0.2 <0.2 <0.2 0.20 <0.2 <0.2 <0.2	M	0.49 0.42 <0.2 0.21 0.20 0.28 0.30 0.31 0.30 <0.2 0.24 <0.2 0.20 0.20 0.20 0.20 0.20 0.20 0.27 0.21 0.22 0.25 0.27 <0.2 0.27 0.25 0.27 <0.2		21.9 21.4 60.3 2.68 2.64 <0.2 <0.2 28.3 23.8 21.6 22.7 55.9 58.6 1.90 2.16 7.13 6.69 3.47 4.77 4.75 1.90 2.31 3.47 3.69 37.1	_	<0.100		<0.100		3.67 2.95 2.87 0.499 0.441 0.170 0.202 1.86 0.689 1.26 1.16 3.29	D D D D D D D D D D D D D D D D D D D

Table 3-3 - Baseline and Performance Monitoring Groundwater Data; 4-78/79 Benzene Treatment Area

				cis-1,2-						
		Sample Depth	TCE	DCE		Benzene	Nitrate	Nitrite	Sulfate	
Sample ID	Date	(ft bgs)	(ug/L)	(ug/L)	VC (ug/L)	(ug/L)	(mg-N/L)	(mg-N/L)	(mg/L)	

U = non-detect

D = dilution

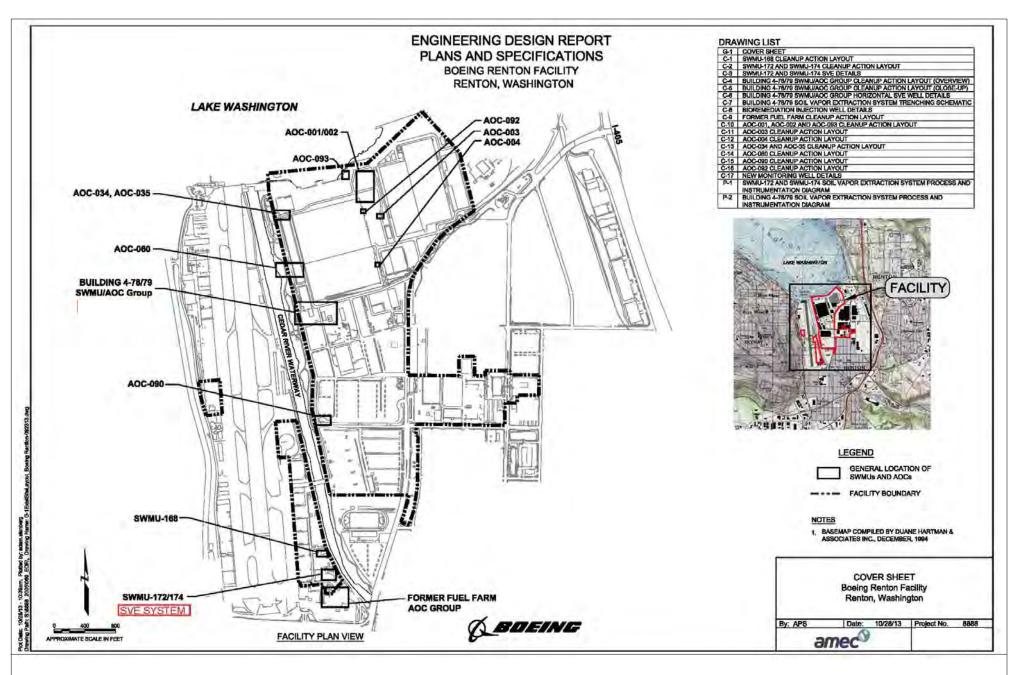
M = Estimated value for a GC/MS analyte detected and confirmed by an analyst but with low spectral match parameters.

Samples in italics collected as part of the Renton quarterly groundwater monitoring program.

Table 3-4 Groundwater Monitoring Results Summary August 2020 and Recommended ERD Treatment

GW Treatment Area	Source and down gradient MWs	CPOC wells	Treatment IWs	ERD Treatment Recommendation
SWMU-172/174	3, 7,	All detections are at or below 0.50 ug/L	Prior data Mar 2018, North and South IWS showed total CVOCs range from 0.03 ug/L to 6.90 ug/L. TOC near background.	Additional injections completed after August 2020 monitoring. Will consider additional injections if beneficial after review of future sampling results.
Building 4-78/4-79 SWMU/AOC Group	quarter. Recent data show 73.4 ug/L in Mar 2020 and	Majority of detections are ND; Northern well GW237S showed benzene decrease from 1.03 ug/L in May 2020 to 0.24 ug/L in Aug 2020.	Prior data May 2017, 4 of 5 wells with low detections where sum of CVOCs are less than 3 ug/L	Additional injections completed after August 2020 monitoring. Will consider additional injections if beneficial after review of future sampling results.
AOC-001/002		Prior data Aug 2019: All detections below 0.30 ug/L.	Prior data Mar 2018, detections at or below 0.30 ug/L.	Detections are very low throughout the site. Will consider additional injections if beneficial. Site still not accessible due to construction
AOC-003	VC less than 0.30 ug/L.	VC less than 0.40 ug/L.	Prior data May 2017 one of four IWs sampled – VC detection less than 0.30 ug/L	Additional injections completed after August 2020 monitoring. Will consider additional injections if beneficial after review of suture sampling results.
Lot 20 / former 10-71	Prior data May 2020 - All wells are ND.	-	-	No action at this time.
AOC-60	Treatment MWs with total CVOCs less than 4.5 ug/L, other MWs with total CVOCs less than 0.40 ug/L.	MW's with total CVOCs less than 0.21 ug/L.	-	Additional injections completed after August 2020 monitoring. Will consider additional injections if beneficial after review of future sampling results.
AOC – 90	Source with total CVOCs less than 2.7 ug/L; down gradient wells with VC at 0.23 ug/L.	VC detections less than 0.38 ug/L.	-	Additional injections completed after August 2020 monitoring. Will consider additional injections if beneficial after review of future sampling results.
Apron A	cisDCE at 0.52 ug/L and VC is nondetect.	-	-	Additional injections completed after August 2020 monitoring. Will consider additional injections if beneficial after review of future sampling results.
Building 4-70	-	Prior data March 2020, total CVOCs less than 0.63 ug/L.	-	Detections are very low throughout the site. Will consider additional injections if beneficial.

FIGURES



CALIBRE Systems, Inc.

Figure 1-1 Site Location/ AOC Outlines

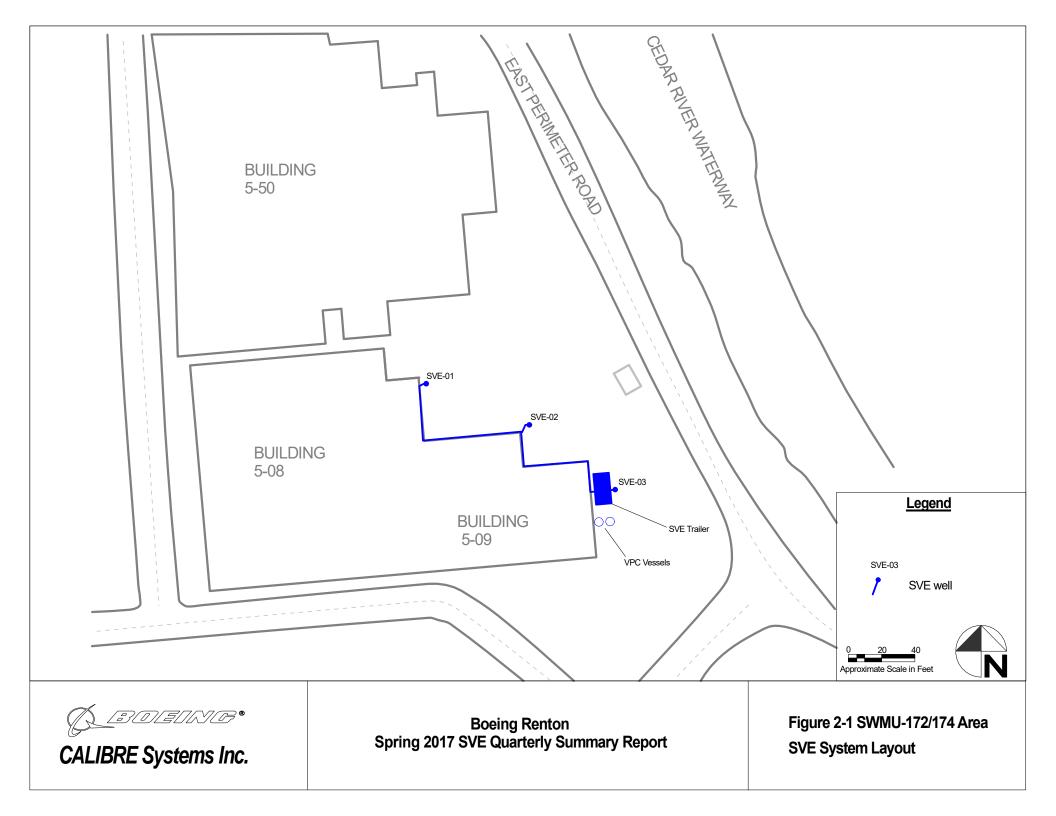
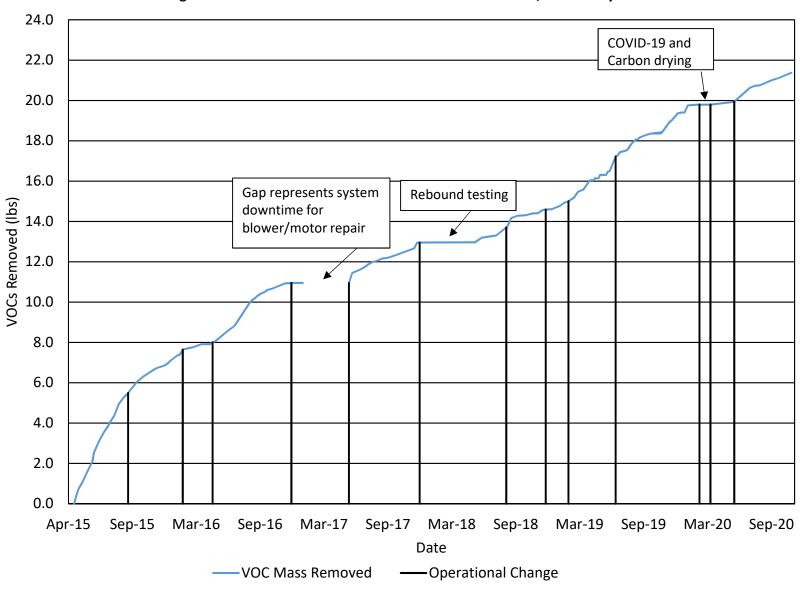


Figure 2-2 Cumulative VOC Mass Removed - SWMU-172/174 SVE System



^{*}SWMU 172/174 SVE system did not run Winter 2017 due to equipment failure.

Attachment A: Field Log Forms

nspection Date:	ieck.	Date of last inspection:	
2) Check each SVE	well VPC inlet, and	d VPC outlet with PID.	141-20-
	Opei	rational Parameters - Monitoring interval is variable.	
Inspection Time:	0830	Motor Hours: 1,867.5	
Blower	Current Value	Other Notes	
Vacuum gauge	651420	- Changel Blows Oil.	
Pressure gauge	10"H-W	Cranged Mount on	
System flow rate	100 SCFM		
Blower Temperature	123°F		
Temp.at lag VPC discharge		Its, TEFC motor fan, any unusual noise/vibration	

PID Model: P	BRAE	300	Details:	0.0/	9,999 PPE		
Calibration time/			PID check	after monitor	ing:		
Sampling Point	Time	PID Reading (1)	PID Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹
SVE-01	Ve	T					
SVE-02		742 ppb	689 ppb				
SVE-03		2,320 pps	2,414 ppb				
VPC Inlet		2,320 ppb	1,720 ppb				
VPC Midpoint							
VPC Outlet		0 026	0 275				
Other vapor point							

^{1.} Flow rate calculated from the equation Flow Rate (cfm) = $12.24 \times \sqrt{differential}$ pressure.

Questions? Call Justin Nes At the Completion of a mon	te @ (360) 981-5606 itoring event scan monitoring forms and	email to Justin Neste: Justin.Nest	e@calibresys.com
	Justin Neste	(mon	7/2/20
Signature	Printed Name	Signature	Date

nspection Time:	1000	Moto	r Hours:	2041.	oring interval			
	1330	V/-l			1	er Notes		
Blower Vacuum gauge	Current 25'		degra	and PID	@ 550 PP			
Pressure gauge	5" Hz	٥						
System flow rate	10556		weo	178/74				
Blower Temperature	122°F	B1°	6-17 =	4.15				
Temp.at lag VPC discharge Other notes: che	eck oil level,	drive belts, TEF	C motor	(. % b fan, any un	usual noise/vil	oration		
PID Model:	PPBRAÉ	3000		Details:	0 / 10 F	ina:		
Calibration time/	date: 16	1(20 1330			carter monitor		m. 100 11-1	Flow Rate
Sampling Point	Time	PID Reading (1)	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Calculated
SVE-01	VENT		78.2					
SVE-02		0158 775	970	PPb				
SVE-03		2,018 PP6	1,7	102 ppb				
VPC Inlet		1,762 876	1,8	Olppb				
VPC Midpoint								
VPC Outlet								
Other vapor point								
		he equation Flow R	206				n.Neste@calibr	raeve com

Check each SVI		Operational I	arame	ters - IVION	itoring interval	is variable.		
Inspection Time: 05 00 Motor		Hours:	220					
Blower	Current	Value		4	100000	er Notes		
Vacuum gauge	25"4	tro Bau	ikgroun	nd PID	299 PP6			
Pressure gauge	10" Hz	0						
System flow rate	10554	FM						
Blower Temperature	izzof	DTV	10 4	1.20				
Temp.at lag VPC discharge		278-	20 = 6	1.45				
Other notes: che	eck oil level,	drive belts, TEFC	motor	fan, any ur	nusual noise/vib	oration		
PID Model:	PB RAF	3000		Details:	0/10 F	PPM		
Calibration time/		120 0500		PID chec	k after monitori	ng:		
Sampling Point	Time	PID Reading (1)	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate
SVE-01	Vent							
SVE-02		479 PPB	493	3 889				
SVE-03		904 ppb		30 pps				
VPC Inlet		547 225		4006				
VPC Midpoint		71		. ,				
VPC Outlet								
Other vapor								
The state of the s		e equation Flow Rat	e (cfm) =	= 12.24 × √di)	f ferential pressur	e.		
point	alculated from th							
point	alculated from th	e oquation i son ioni						

nspection Time:	0933	Operational P Motor I		2275				
Blower	Current				Oth	er Notes		
/acuum gauge	22"1	t20 50	£ of	f@ arr	ival			
Pressure gauge	5" H	10						
System flow rate	105 50	FM T	w @	478/79				
Blower Temperature	95°F	1378-1	17 =	478/79				
Temp.at lag VPC discharge		378 -	20 =	4.70'				
Other notes: ch	eck oil level,	drive belts, TEFC	motor	fan, any unu	isual noise/vi	bration		
PID Model: Calibration time/	1	HE 3000		Details: PID check	0 / 9 , after monitor	997 ppb ing:		
Sampling Point	Time	PID Reading (1)	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated
SVE-01	Vent							
SVE-02		752 ppb	56	طوح ۹				
SVE-03		4,461 ppb		395ppb				
VPC Inlet		1,139 226	1,2	81 ppb				
VPC Midpoint								
VPC Outlet								
A STATE OF THE STA								
Other vapor point					erential pressur			

		Motor	Parameters - Mon Hours: 2445	.3	10 Yellianie.		
. (1 10			2170		er Notes		
Blower /acuum gauge	Current			0.11	01110100		
Pressure gauge	8"H						
System flow rate	100 5		1 @ 478/79				
Blower Temperature	113°F	B78-	w @ 478/79 17 = 4.62' 20 = 4.83'				
Temp.at lag						1	
Other notes: ch	eck oil level,	drive belts, TEFC	motor fan, any ur	usual noise/vi	bration		
PID Model:	PPB RAE	3000	Details:		194 PR5		
Calibration time	date: 9/6	120 1140	PID chec	k after monitor			
Sampling Point	Time	PID Reading (1)	PID Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated
SVE-01	Vent	· t					
SVE-02		9,900 pps	9950 ppb				
SVE-03		15,500 RPS					
VPC Inlet		16,400 706	17,200 275				
VPC Midpoint							
VPC Outlet							
Other vapor							
point			$c(cfm) = 12.24 \times \sqrt{di}$	ferential pressur	re.		
	calculated from t	the equation Flow Rate	(0))				

Periodic systems ch) Check flowrate, v) Check each SVE	racuum, pressure, n	noisture separator, water storage drums I VPC outlet with PID. Pational Parameters - Monitoring interval is variable.
Inspection Time:	0830	Motor Hours: 2634.0
Blower	Current Value	Other Notes
Vacuum gauge	30"420	
Pressure gauge	2"H20	
System flow rate	100 SEFM	DTWC 478/79 a 24 HPS after injection (site B18-17 = 4.67' B78-20 = 4.93'
Blower Temperature	117° F	B78-17 = 4.67
Temp.at lag VPC discharge		its, TEFC motor fan, any unusual noise/vibration

PID Model:	PPBRAE	3000	Details	0.0	10.00 ppm		
Calibration time		4/20 0835	PID ch	eck after moni	toring:		
Sampling Point	Time	PID Reading (1)	PID Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹
SVE-01	vent						
SVE-02		2,370 pps	1950 PR	5			
SVE-03		2,370 pps 8,853 pps	9,260 pps)			
VPC Inlet		5,720 ppb	5,975 ppl	0			
VPC Midpoint							
VPC Outlet		O ppo	0 995				
Other vapor point							

^{1.} Flow rate calculated from the equation Flow Rate (cfm) = $12.24 \times \sqrt{differential}$ pressure.

Questions? Call Justin Nes	ste @ (360) 981-5606 nitoring event scan monitoring forms and emai	I to Justin Neste: Justin.Neste	@calibresys.com
, x 3.2	Tustin Nexte	(=====================================	8/4/20
Signature	Printed Name	Signature	Date

spection Date: eriodic systems ch		Date of last inspection:
Check flowrate	racuum, pressure, m	noisture separator, water storage drums
) Check each SVE	wall V/DC inlat and	VPC outlet with PID. ational Parameters - Monitoring interval is variable.
Inspection Time:	1953	Motor Hours: 21 %0.5
Blower	Current Value	Other Notes
Vacuum gauge	2811420	
Pressure gauge	5" HZ	
System flow rate	100 SCF1M	DTW € 4-78/79 B-17 = 4.72 8-20 = 4.99'
Blower Temperature	129°F	B=17 = 4.72
Temp.at lag VPC discharge		
Other notes: che	ck oil level, drive be	ts, TEFC motor fan, any unusual noise/vibration

PID Model:	2 3000	Details:								
Calibration time	9	PID check after monitoring:								
Sampling Point	Time	PID Reading (1)	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹		
SVE-01	Vem									
SVE-02		1,793 ppb	1,3	341 pp5						
SVE-03		1,517 ppb	1,4	86 pps						
VPC Inlet		2,312 ppb	1,80	ippb						
VPC Midpoint										
VPC Outlet										
Other vapor point										

^{1.} Flow rate calculated from the equation Flow Rate (cfm) = $12.24 \times \sqrt{differential}$ pressure.

Questions? Call Justin Ne At the Completion of a mo	ste @ (360) 981-5606 nitoring event scan monitoring forms	s and email to Justin Neste: Justin.Nest	e@calibresys.com
Signature	Printed Name	Signature	Date

nspection Date: _ Periodic systems o		Date of last inspection: 8 20 20	
Check flowrate	vacuum, pressure, m	oisture separator, water storage drums	
Check each SV	F well VPC inlet and	VPC outlet with PID.	
	Oper	ational Parameters - Monitoring Interval is variable.	
Inspection Time:	0630	Motor Hours: 2920.1	
Blower	Current Value	Other Notes	
Vacuum gauge	32"H20		
Pressure gauge	2" Hz0		
System flow rate	1005cFm	DTW - 478/79	
Blower Temperature	121°F	$DT\omega - 478/79$ $B17 = 4.76'$ $B20 = 5.07'$	
Temp.at lag VPC discharge		ts, TEFC motor fan, any unusual noise/vibration	

PID Model:	3000	De	etails:	O PPS	Ppm					
Calibration time/ date: 8/26/20 0630				PID check after monitoring:						
Sampling Point	Time	PID Reading (1)	PID Rea (2)		Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹		
SVE-01	Vent									
SVE-02		976 pps	726 PP5							
SVE-03		13.52 ppm	15.24	PPM						
VPC Inlet		6,525 ppb	6,77	6 PP5						
VPC Midpoint										
VPC Outlet		O PPB	O pps	2						
Other vapor point										

^{1.} Flow rate calculated from the equation Flow Rate (cfm) = $12.24 \times \sqrt{differential}$ pressure.

Questions? Call Justin Nes At the Completion of a more	ste @ (360) 981-5606 nitoring event scan monitoring forms and e	mail to Justin Neste: Justin.Nes	te@calibresys.com
Signature	Justin Weste	Signeture	9/20/20 Date

nspection Date: Periodic systems c	vacuum, pressure, m	oisture separator, water storage drums	
) Check each SVE	- well VPC inlet and	VPC outlet with PID. ational Parameters - Monitoring interval is variable.	
Inspection Time:	0800	Motor Hours: 3089.5	
Blower	Current Value	Other Notes	
Vacuum gauge	32"420	Dto @ 478/79 B-17 = 4.82' B-20 = 5.14'	
Pressure gauge	2"1420	B-17 - 4.8° 12-20 = 5.14'	
System flow rate	100 SCFM		
Blower Temperature	125°F		
Temp.at lag VPC discharge		ts, TEFC motor fan, any unusual noise/vibration	

PID Model:	PPBRAE	3000	Details	Details: 0.0 PPb / 10.00 PPm							
Calibration time		120 0800	PID ch	PID check after monitoring:							
Sampling Time PID Reading Point (1)			PID Readin	g Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹				
SVE-01	Vent										
SVE-02		76 pps	65 pps								
SVE-03		1,699 PPB	1,805 PP	5							
VPC Inlet		1,052 ppb	1,160 pp	5							
VPC Midpoint											
VPC Outlet		0 775	0 PP5								
Other vapor point											

^{1.} Flow rate calculated from the equation Flow Rate (cfm) = $12.24 \times \sqrt{differential}$ pressure.

Questions? Call Justin Net At the Completion of a more	ste @ (360) 981-5606 nitoring event scan monitoring forms an	d email to Justin Neste: Justin.Ne	este@calibresys.com
At the Completion	Justin Neste		9/2/20
Signature	Printed Name	Signature	Date

eriodic systems of Check flowrate, Check each SV	vacuum, pre	inlot and	oisture separator, water storage drums VPC outlet with PID. tional Parameters - Monitoring interval is variable.
Inspection Time:	0656		Motor Hours: 3514.9 / 3521.0
Blower	Current	Value	Other Notes
Vacuum gauge	43"420 /	43"Hw	Restart System @ 0700 (was down @ corrival). Will souple @ 478/79 then return to screen of somple.
Pressure gauge	2"H20	1 2" H20	Q 478/79 then return 10 screen A sample. Returned @ 1230 Collected TO15 samples from SUE 2, SUE 3, SUE IN
System flow rate	90 SEFM	1005cFm	KETOSIM C. 15 TO 15 Somples from SUE 2, SUE 3, SUE IN
Blower Temperature	95°F /	11284	Collected 1010
Temp.at lag			s, TEFC motor fan, any unusual noise/vibration

PID Model:	3000	Det	Details: Oppb / 10.01 ppm							
Calibration time		PIE	PID check after monitoring:							
Sampling Point	Time	PID Reading (1)	PID Read	ding	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹		
SVE-01	Vent									
SVE-02	1250	402 ppb	358 ppb							
SVE-03	1255	1,307 ppb	1,317 896							
VPC Inlet	1300	604 pps	562 PP	ь						
VPC Midpoint										
VPC Outlet										
Other vapor point										

^{1.} Flow rate calculated from the equation Flow Rate (cfm) = $12.24 \times \sqrt{differential}$ pressure.

Questions? Call Justin Ne At the Completion of a mo	este @ (360) 981-5606 onitoring event scan monitoring forms an	d email to Justin Neste: Justin.Nest	e@calibresys.com
	Justin Nesre	(ment	9/23/20
Signature	Printed Name	Signature	Date

Attachment B: Laboratory Data Packages



15 October 2020

Nick Garson The Boeing Company PO Box 3707 M/S 1W-12 Seattle, WA 98124

RE: Boeing Renton Regional GW Building 4-78/79

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s) Associated SDG ID(s) 2010337

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, Inc.

Al Both

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in it

4611 S. 134th Place, Suite 100 • Tukwila, WA 98168 • Ph: (206) 695-6200 • Fax: (206) 695-6202

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-arour	nd Requested:	Standar	d	Page	: 1	of	2			cal Resources, Incorporated cal Chemists and Consultants	
ARI Client Company:		Phone: U	25-269	1-7866	Date: Ice Present?				4611 South 134th Place, Suite 10 Tukwila, WA 98168 206-695-6200 206-695-6201 (fa			
Client Contact:	rasson				No. of Cooler Coolers: Cooler Temps:				www.arilabs.com			
Client Project Name: Penton	4-7	8/79						Analysis Red	quested		T	Notes/Comments
Client Project #:	Samplers:	2 Lassen	JNES	ste	J.	With the	Ą					CISPCE, UC
Sample ID	Date	Time	Matrix	No. Containers	JOC	Nozhite Nitrite	504 Sulfat					Benzent
878-21-092320	9/23/20	0815	An	5	X	X	X					
B78-17-092320		0830										
6W-0315-092320		0900		1,								
B78-18-09232U		0910										
DUP01-092270		0800										
1378-13-092320		0947										
B18-19-092320		1005										
Cam-2445-092320		1030							2			
B78-20-092320		1055										
1378-11-042320		1110	1									
Comments/Special Instructions	Relinquished I (Signature)	Dy:		Received by: (Signature)				Relinquished by: (Signature)			Received by	
Justia Neste	Printed Name	24		Printed Name	1	1	6	Printed Name:			(Signature) Printed Nam	e:
en Lassen	Rine Company:	Lassen		Company:	anos	Lale	TV .	Company:		4	Compositi	
la.M	cali	bre		A A	12			company.			Company:	
	Date & Time: 9 / 23 /		327	Date & Time:	1231	ba	307	Date & Time:			Date & Time	

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or cosigned agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request ARI Assigned Number: Turn-around Requested: Analytical Resources, Incorporated

2030357	2030557									Analytical Chemists and Consultar			
ARI Client Company: Boeing	Phone: 425-269-7866				Date: 9 123/20 Ice Prese		ent? Les		Tukwila	4611 South 134th Place, Suite 100 Tukwila, WA 98168 206-695-6200 206-695-6201 (fax)			
Client Contact: Boeing Nich Garson					No. of Coolers:	1	Coole Temps	er s: 4,9		www.arilabs.com			
Client Project Name: Renton	И_	78/7	-0					Analysis F	Requested		_	Notes/Comments	
Client Project #:	Samplers:	Lassen	J N1	eske	•							VOCS TCE, Lis DCE, VC, Berzere	
Sample ID	Date	Time	Matrix	No. Containers	100							VC, Berzene	
TRIP Blank	9/23/20		16	2	×								
					1								
×			n										
CC Tom McLeon	(Signature) (Signature)			Received by: (Signature)	AL.			Relinquished by: (Signature)			Received by: (Signature)	Received by: (Signature)	
Justin Neste	Printed Name: Printed Native.				lewblate			Printed Name:			Printed Name	Printed Name:	
Rune Lassen	Calibi	re		Company:	2		N.	Company:			Company:		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1000			Date & Time:	03/200 1307			Date & Time:			Date & Time:		

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or cosigned agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.



Analytical Report

The Boeing CompanyProject:Boeing Renton Regional GW Building 4-78/79PO Box 3707 M/S 1W-12Project Number:Boeing Renton Regional GW Building 4-78/79Reported:Seattle WA, 98124Project Manager:Nick Garson15-Oct-2020 18:05

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Matrix	Date Sampled	Date Received
20I0337-01	Water	23-Sep-2020 08:15	23-Sep-2020 13:27
20I0337-02	Water	23-Sep-2020 08:30	23-Sep-2020 13:27
20I0337-03	Water	23-Sep-2020 09:00	23-Sep-2020 13:27
20I0337-04	Water	23-Sep-2020 09:10	23-Sep-2020 13:27
20I0337-05	Water	23-Sep-2020 08:00	23-Sep-2020 13:27
20I0337-06	Water	23-Sep-2020 09:47	23-Sep-2020 13:27
20I0337-07	Water	23-Sep-2020 10:05	23-Sep-2020 13:27
20I0337-08	Water	23-Sep-2020 10:30	23-Sep-2020 13:27
20I0337-09	Water	23-Sep-2020 10:55	23-Sep-2020 13:27
20I0337-10	Water	23-Sep-2020 11:10	23-Sep-2020 13:27
20I0337-11	Water	23-Sep-2020 08:15	23-Sep-2020 13:27
	2010337-01 2010337-02 2010337-03 2010337-04 2010337-05 2010337-06 2010337-07 2010337-08 2010337-09 2010337-10	2010337-01 Water 2010337-02 Water 2010337-03 Water 2010337-04 Water 2010337-05 Water 2010337-06 Water 2010337-07 Water 2010337-08 Water 2010337-09 Water 2010337-10 Water	2010337-01 Water 23-Sep-2020 08:15 2010337-02 Water 23-Sep-2020 08:30 2010337-03 Water 23-Sep-2020 09:00 2010337-04 Water 23-Sep-2020 09:10 2010337-05 Water 23-Sep-2020 08:00 2010337-06 Water 23-Sep-2020 09:47 2010337-07 Water 23-Sep-2020 10:05 2010337-08 Water 23-Sep-2020 10:30 2010337-09 Water 23-Sep-2020 10:55 2010337-10 Water 23-Sep-2020 11:10

Analytical Resources, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

Work Order Case Narrative

Volatiles - EPA Method SW8260D

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) spike recoveries and relative percent difference (RPD) were within advisory control limits.

Wet Chemistry

The sample(s) were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The reference material (SRM) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits.

WORK ORDER

Printed: 09/23/2020 17:30:32

2010337

Client: The Boeing Company Project Manager: Kelly Bottem

Project: Boeing Renton Regional GW Building 4-78/79 Project Number: Boeing Renton Regional GW Building 4-78/79

Preservation Confirmation

Container ID	Container Type	рН	
2010337-01 A	Small OJ, 500 mL		
2010337-01 B	Small OJ, 500 mL		=
20I0337-01 C	VOA Vial, Clear, 40 mL, HCL		
20I0337-01 D	VOA Vial, Clear, 40 mL, HCL		
20I0337-01 E	VOA Vial, Clear, 40 mL, HCL		
20I0337-02 A	Small OJ, 500 mL	Ø.	
2010337-02 B	Small OJ, 500 mL		
20I0337-02 C	VOA Vial, Clear, 40 mL, HCL	Bebble	
20I0337-02 D	VOA Vial, Clear, 40 mL, HCL		
2010337-02 E	VOA Vial, Clear, 40 mL, HCL		
2010337-03 A	Small OJ, 500 mL		
2010337-03 B	Small OJ, 500 mL		
20I0337-03 C	VOA Vial, Clear, 40 mL, HCL		
2010337-03 D	VOA Vial, Clear, 40 mL, HCL		
2010337-03 E	VOA Vial, Clear, 40 mL, HCL		
2010337-04 A	Small OJ, 500 mL		
2010337-04 B	Small OJ, 500 mL		
20I0337-04 C	VOA Vial, Clear, 40 mL, HCL	Obble	
2010337-04 D	VOA Vial, Clear, 40 mL, HCL		
2010337-04 E	VOA Vial, Clear, 40 mL, HCL		
20I0337-05 A	Small OJ, 500 mL		
2010337-05 B	Small OJ, 500 mL		
2010337-05 C	VOA Vial, Clear, 40 mL, HCL		
2010337-05 D	VOA Vial, Clear, 40 mL, HCL		
20I0337-05 E	VOA Vial, Clear, 40 mL, HCL		
2010337-06 A	Small OJ, 500 mL		
20I0337-06 B	Small OJ, 500 mL		
20I0337-06 C	VOA Vial, Clear, 40 mL, HCL		
2010337-06 D	VOA Vial, Clear, 40 mL, HCL		
2010337-06 E	VOA Vial, Clear, 40 mL, HCL		
2010337-07 A	Small OJ, 500 mL		
2010337-07 B	Small OJ, 500 mL		Y
2010337-07 C	VOA Vial, Clear, 40 mL, HCL		
2010337-07 D	VOA Vial, Clear, 40 mL, HCL		*
2010337-07 E	VOA Vial, Clear, 40 mL, HCL		

Reviewed By

Date

Printed: 09/23/2020 17:30:32

WORK ORDER

20I0337

Client: The Boe	ing Company	Project Manager: Kelly Bottem
Project: Boeing F	Renton Regional GW Building 4-78/79	Project Number: Boeing Renton Regional GW Building 4-78/79
2010337-08 A	Small OJ, 500 mL	
2010337-08 B	Small OJ, 500 mL	
2010337-08 C	VOA Vial, Clear, 40 mL, HCL	
20I0337-08 D	VOA Vial, Clear, 40 mL, HCL	
2010337-08 E	VOA Vial, Clear, 40 mL, HCL	
20I0337-09 A	Small OJ, 500 mL	
20I0337-09 B	Small OJ, 500 mL	
20I0337-09 C	VOA Vial, Clear, 40 mL, HCL	Dubble
20I0337-09 D	VOA Vial, Clear, 40 mL, HCL	
2010337-09 E	VOA Vial, Clear, 40 mL, HCL	
20I0337-10 A	Small OJ, 500 mL	
20I0337-10 B	Small OJ, 500 mL	
2010337-10 C	VOA Vial, Clear, 40 mL, HCL	
20I0337-10 D	VOA Vial, Clear, 40 mL, HCL	
2010337-10 E	VOA Vial, Clear, 40 mL, HCL	
20I0337-11 A	VOA Vial, Clear, 40 mL, HCL	
20I0337-11 B	VOA Vial, Clear, 40 mL, HCL	
		4



Cooler Receipt Form

ARI Client: Baeing / Ca	libre	Project Name: Rendon	n 4-78	179	
COC No(s):	NA	Delivered by: Fed-Ex UPS Cour	ier Hand Delivere	d Other:	
Assigned ARI Job No: 201	0337	Tracking No:			NIA
Preliminary Examination Phase:		Tracking No.			INA
Were intact, properly signed and o	dated custody seals attached to the	e outside of the cooler?	YE	s (NO
	th the cooler?			S	NO
	ed out (ink, signed, etc.)		XF.	S	NO
AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	commended 2.0-6.0 °C for chemis				110
Time 1307		4,7			
If cooler temperature is out of com	pliance fill out form 00070F		Temp Gun ID#:	DOO 500	96
Cooler Accepted by:	3-	Date: 69/23/2020 Time:	1327	6	
		d attach all shipping documents			
Log-In Phase:					
VA/aa a tamaa aastuus kilanda isala da	and the district of the constant of				
HEAD TO CONTROL OF THE PROPERTY AND ADMINISTRATION OF THE PROPERTY ADMINISTRATION OF THE PROPERTY AND ADMINISTRATION OF THE PROPERTY ADMINISTRATI	ed in the cooler?		Diagle Dance Office	YES	(NO)
	priate)?	Wet Ice Gel Packs Baggies Foam	NA	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	NO
3 200 3	tic bags?		Individually	Grouped	Not
	dition (unbroken)?		marvidually	YES	NO
3	and legible?			YES	NO
CONTRACTOR	The state of the s	r of containers received?		YES	NO
Did all bottle labels and tags agre	ee with custody papers?			YES	NO
Were all bottles used correct for	the requested analyses?			XES	NO
Do any of the analyses (bottles)	require preservation? (attach pres	ervation sheet, excluding VOCs)	CNA	YES	NO
Were all VOC vials free of air bu	bbles?		NA	YES	NO
Was sufficient amount of sample	e sent in each bottle?			YES-	, NO
Date VOC Trip Blank was made	at ARI		NA	09/21	beso
Were the sample(s) split by ARI?	A YES Date/Time:	Equipment:		Split by:	
To	0/-2/	1530		70	
Samples Logged by:		00 Time: 1733 La	bels checked by: _	156	
	** Notify Project Manager of	f discrepancies or concerns **			
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample	ID on COC	
Additional Notes, Discrepancie	es, & Reșolutions:			/	
crals w/ar	bubble mark	udan present.	ian She	et,	
lab to de	femine 5, Zes.				
By: 33~ Da	ate: 04/03/2000				

0016F 01/17/2018 Cooler Receipt Form

Revision 014A



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-21-092320 20I0337-01 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 08:15

 Instrument: NT2
 Analyst: PKC

 Analyzed: 09/26/2020 15:21

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-01 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	0.25	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	0.32	ug/L	
Benzene	71-43-2	1	0.20	0.39	ug/L	
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	115	%	
Surrogate: Toluene-d8			80-120 %	97.6	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	89.4	%	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-21-092320 20I0337-01 (Water)

Wet Chemistry

 Method: EPA 300.0
 Sampled: 09/23/2020 08:15

 Instrument: IC930 Analyst: CDE
 Analyzed: 09/24/2020 13:26

Sample Preparation: Preparation Method: No Prep Wet Chem Extract ID: 20I0337-01 A
Preparation Batch: BII0679 Sample Size: 10 mL

Prepared: 09/24/2020 Final Volume: 10 mL

Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14797-55-8 0.100 0.100 ND U Nitrate-N mg/L

			Detection	Reporting			
Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.100	0.100	ND	mg/L	U

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-21-092320 20I0337-01RE1 (Water)

Wet Chemistry

 Method: EPA 300.0
 Sampled: 09/23/2020 08:15

 Instrument: IC930
 Analyst: CDE

 Analyzed: 09/24/2020 18:27

Sample Preparation: Preparation Method: No Prep Wet Chem Extract ID: 20I0337-01RE1 A

Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL

			Detection	Reporting			
Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes
Sulfate	14808-79-8	8	0.800	0.800	26.3	mg/L	D

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-17-092320 20I0337-02 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 08:30

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 15:41

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-02 C

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	0.37	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	0.86	ug/L	
Benzene	71-43-2	1	0.20	0.40	ug/L	
Trichloroethene	79-01-6	1	0.20	0.65	ug/L	
Surrogate: 1,2-Dichloroethane-d4			80-129 %	114	%	
Surrogate: Toluene-d8			80-120 %	95.9	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	88.5	%	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported: Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

> B78-17-092320 20I0337-02 (Water)

Wet Chemistry

Method: EPA 300.0 Sampled: 09/23/2020 08:30 Instrument: IC930 Analyst: CDE Analyzed: 09/24/2020 14:26 Sample Preparation: Preparation Method: No Prep Wet Chem Extract ID: 20I0337-02 A

Preparation Batch: BII0679 Sample Size: 10 mL

Prepared: 09/24/2020 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes
Nitrate-N	14797-55-8	1	0.100	0.100	1.63	mg/L	
				Reporting			

			Detection	Reporting			
Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.100	0.100	ND	mg/L	U

Analytical Resources, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reporting

Detection



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-17-092320 20I0337-02RE1 (Water)

Wet Chemistry

Method: EPA 300.0Sampled: 09/23/2020 08:30Instrument: IC930 Analyst: CDEAnalyzed: 09/24/2020 19:26Sample Preparation:Preparation Method: No Prep Wet ChemExtract ID: 2010337-02RE1 A

Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL

Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14808-79-8 15 1.50 1.50 44.9 D Sulfate mg/L

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

GW-031S-092320 20I0337-03 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 09:00

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 16:02

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-03 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	0.26	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	0.21	ug/L	
Benzene	71-43-2	1	0.20	0.45	ug/L	
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	115	%	
Surrogate: Toluene-d8			80-120 %	98.9	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	92.8	%	



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

GW-031S-092320 20I0337-03 (Water)

Wet Chemistry

Analyte

Sulfate

Method: EPA 300.0 Sampled: 09/23/2020 09:00 Instrument: IC930 Analyst: CDE Analyzed: 09/24/2020 14:46 Extract ID: 20I0337-03 A Sample Preparation: Preparation Method: No Prep Wet Chem Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14797-55-8 ND mg/L U Nitrate-N 0.100 0.100 Detection Reporting Units CAS Number Dilution Limit Limit Analyte Result Notes 14797-65-0 ND Nitrite-N 0.100 0.100 mg/LU Detection Reporting

CAS Number

14808-79-8

Dilution

Limit

0.100

Limit

0.100

Units

mg/L

Result

2.39

Notes

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-18-092320 20I0337-04 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 09:10

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 16:22

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-04 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

*						
			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	0.27	ug/L	
Benzene	71-43-2	1	0.20	1.05	ug/L	
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	114	%	
Surrogate: Toluene-d8			80-120 %	98.8	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	94.4	%	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-18-092320 20I0337-04 (Water)

Wet Chemistry

Method: EPA 300.0Sampled: 09/23/2020 09:10Instrument: IC930 Analyst: CDEAnalyzed: 09/24/2020 15:06Sample Preparation:Preparation Method: No Prep Wet ChemExtract ID: 2010337-04 A

Preparation Batch: BII0679 Sample Size: 10 mL

Prepared: 09/24/2020 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrate-N	14797-55-8	1	0.100	0.100	ND	mg/L	U

			Detection	Reporting			
Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.100	0.100	ND	mg/L	U

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-18-092320 20I0337-04RE1 (Water)

Wet Chemistry

Method: EPA 300.0Sampled: 09/23/2020 09:10Instrument: IC930 Analyst: CDEAnalyzed: 09/24/2020 19:46Sample Preparation:Preparation Method: No Prep Wet ChemExtract ID: 2010337-04RE1 A

Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL

Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14808-79-8 12 1.20 1.20 70.2 D Sulfate mg/L

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

DUP01-092320 20I0337-05 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 08:00

 Instrument: NT2
 Analyst: PKC

 Analyzed: 09/26/2020 16:43

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-05 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

Reporting CAS Number Dilution Limit Units Analyte Result Notes 75-01-4 Vinyl Chloride 0.20 ND ug/L cis-1,2-Dichloroethene 156-59-2 0.22 1 0.20 ug/L 71-43-2 0.20 0.45Benzene 1 ug/L 79-01-6 Trichloroethene 0.20 ND ug/L U 80-129 % 113 % Surrogate: 1,2-Dichloroethane-d4 80-120 % 99.1 % Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene 80-120 % 92.9 %

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

DUP01-092320 20I0337-05 (Water)

Wet Chemistry

Method: EPA 300.0 Sampled: 09/23/2020 08:00 Instrument: IC930 Analyst: CDE Analyzed: 09/24/2020 15:26 Extract ID: 20I0337-05 A Sample Preparation: Preparation Method: No Prep Wet Chem Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14797-55-8 ND mg/L U Nitrate-N 0.100 0.100 Detection Reporting Units CAS Number Dilution Limit Limit Analyte Result Notes 14797-65-0 ND Nitrite-N 0.100 0.100 mg/LU Detection Reporting CAS Number Dilution Limit Units Notes Analyte Result Sulfate 14808-79-8 0.100 0.100 2.52 mg/L

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-13-092320 20I0337-06 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 09:47

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 17:03

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-06 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	0.41	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	0.44	ug/L	
Benzene	71-43-2	1	0.20	1.00	ug/L	
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	113	%	
Surrogate: Toluene-d8			80-120 %	97.1	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	89.9	%	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-13-092320 20I0337-06 (Water)

Wet Chemistry

Method: EPA 300.0Sampled: 09/23/2020 09:47Instrument: IC930 Analyst: CDEAnalyzed: 09/24/2020 16:47Sample Preparation:Preparation Method: No Prep Wet ChemExtract ID: 2010337-06 A

Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL

Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14797-55-8 0.396 Nitrate-N 0.100 0.100 mg/L

			Detection	Reporting			
Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.100	0.100	ND	mg/L	U

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-13-092320 20I0337-06RE1 (Water)

Wet Chemistry

Method: EPA 300.0Sampled: 09/23/2020 09:47Instrument: IC930 Analyst: CDEAnalyzed: 09/24/2020 20:46Sample Preparation:Preparation Method: No Prep Wet ChemExtract ID: 2010337-06RE1 A

Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL

Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14808-79-8 12 1.20 1.20 13.9 D Sulfate mg/L

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-19-092320 20I0337-07 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 10:05

 Instrument: NT2
 Analyst: PKC

 Analyzed: 09/26/2020 17:23

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-07 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

F	**:-*:-*						
Analyte		CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride		75-01-4	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene		156-59-2	1	0.20	ND	ug/L	U
Benzene		71-43-2	1	0.20	ND	ug/L	U
Trichloroethene		79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	108	%	
Surrogate: Toluene-d8				80-120 %	98.5	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	90.1	%	



mg/L

The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported: Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

> B78-19-092320 20I0337-07 (Water)

Wet Chemistry

Method: EPA 300.0 Sampled: 09/23/2020 10:05 Instrument: IC930 Analyst: CDE Analyzed: 09/24/2020 17:07 Extract ID: 20I0337-07 A Sample Preparation: Preparation Method: No Prep Wet Chem Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14797-55-8 ND mg/L U Nitrate-N 0.100 0.100 Detection Reporting Units CAS Number Dilution Limit Limit Analyte Result Notes 14797-65-0 Nitrite-N 0.100 0.100 0.110 mg/LDetection Reporting CAS Number Dilution Limit Units Notes Analyte Result Sulfate 14808-79-8 0.100 0.100 1.97

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

GW-244S-092320 20I0337-08 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 10:30

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 17:44

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-08 D

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

Reporting CAS Number Dilution Limit Units Analyte Result Notes 75-01-4 0.39 Vinyl Chloride 0.20 ug/L cis-1,2-Dichloroethene 156-59-2 0.26 1 0.20 ug/L 71-43-2 0.20 0.20 Benzene 1 ug/L 79-01-6 Trichloroethene 0.20 ND ug/L U 80-129 % 111 % Surrogate: 1,2-Dichloroethane-d4 80-120 % 97.7 Surrogate: Toluene-d8 % Surrogate: 4-Bromofluorobenzene 80-120 % 90.0 %

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

GW-244S-092320 20I0337-08 (Water)

Wet Chemistry

Method: EPA 300.0 Instrument: IC930 Anal	yst: CDE							/23/2020 10:30 /24/2020 17:27
Sample Preparation:	Preparation Method: No Prep Wet Chem Preparation Batch: BII0679 Prepared: 09/24/2020	Sample Size: 10 Final Volume: 1					Extract ID	: 20I0337-08 A
Analyte		CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrate-N		14797-55-8	1	0.100	0.100	ND	mg/L	U
Analyte		CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrite-N		14797-65-0	1	0.100	0.100	ND	mg/L	U
Analyte		CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate		14808-79-8	1	0.100	0.100	3.96	mg/L	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-20-092320 20I0337-09 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 10:55

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 18:04

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-09 C

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	0.37	ug/L	
Benzene	71-43-2	1	0.20	9.07	ug/L	
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	117	%	
Surrogate: Toluene-d8			80-120 %	99.9	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	92.7	%	



Units

Notes

Result

The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-20-092320 2010337-09 (Water)

Wet Chemistry

Analyte

Method: EPA 300.0Sampled: 09/23/2020 10:55Instrument: IC930 Analyst: CDEAnalyzed: 09/24/2020 17:47Sample Preparation:Preparation Method: No Prep Wet ChemExtract ID: 2010337-09 A

Preparation Batch: BII0679 Sample Size: 10 mL

Prepared: 09/24/2020 Final Volume: 10 mL

Detection Reporting

Nitrate-N	14797-55-8	1	0.100	0.100	ND	mg/L	U
			Detection	Reporting			
Analyte	CAS Number	Dilution	Limit	Limit	Result	Units	Notes

CAS Number

Dilution

Limit

Limit

Analyte CAS Number Dilution Limit Limit Result Units Notes

Nitrite-N 14797-65-0 1 0.100 0.100 ND mg/L U

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-20-092320 20I0337-09RE1 (Water)

Wet Chemistry

 Method: EPA 300.0
 Sampled: 09/23/2020 10:55

 Instrument: IC930 Analyst: CDE
 Analyzed: 09/24/2020 21:25

Sample Preparation: Preparation Method: No Prep Wet Chem Extract ID: 20I0337-09RE1 A

Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL

Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14808-79-8 0.700 40.3 D Sulfate 0.700 mg/L

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-11-092320 20I0337-10 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 11:10

 Instrument: NT2
 Analyst: PKC

 Analyzed: 09/26/2020 18:25

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-10 C

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	3.52	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	3.14	ug/L	
Benzene	71-43-2	1	0.20	2.64	ug/L	
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	113	%	
Surrogate: Toluene-d8			80-120 %	98.7	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	90.3	%	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

B78-11-092320 20I0337-10 (Water)

Wet Chemistry

Sulfate

Method: EPA 300.0 Sampled: 09/23/2020 11:10 Instrument: IC930 Analyst: CDE Analyzed: 09/24/2020 18:07 Extract ID: 20I0337-10 A Sample Preparation: Preparation Method: No Prep Wet Chem Preparation Batch: BII0679 Sample Size: 10 mL Prepared: 09/24/2020 Final Volume: 10 mL Reporting Detection CAS Number Dilution Limit Limit Units Analyte Result Notes 14797-55-8 0.205 mg/L Nitrate-N 0.100 0.100 Detection Reporting Units CAS Number Dilution Limit Limit Analyte Result Notes 14797-65-0 ND Nitrite-N 0.100 0.100 mg/LU Detection Reporting CAS Number Dilution Limit Limit Units Notes Analyte Result

14808-79-8

Analytical Resources, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

0.100

0.100

2.38

mg/L



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

Trip Blanks 2010337-11 (Water)

Volatile Organic Compounds

 Method: EPA 8260D
 Sampled: 09/23/2020 08:15

 Instrument: NT2 Analyst: PKC
 Analyzed: 09/26/2020 12:58

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) Extract ID: 20I0337-11 A

Preparation Batch: BII0762 Sample Size: 10 mL Prepared: 09/26/2020 Final Volume: 10 mL

			Reporting			
Analyte	CAS Number	Dilution	Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			80-129 %	106	%	
Surrogate: Toluene-d8			80-120 %	96.4	%	
Surrogate: 4-Bromofluorobenzene			80-120 %	90.4	%	

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

Volatile Organic Compounds - Quality Control

Batch BII0762 - EPA 5030C (Purge and Trap)

Instrument: NT2 Analyst: PKC

	D 1.	Reporting	** **	Spike	Source		%REC	DDD	RPD	37.
QC Sample/Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Blank (BII0762-BLK2)			Prepa	ared: 26-Sep	o-2020 A	nalyzed: 26-S	Sep-2020 12	2:16		
Vinyl Chloride	ND	0.20	ug/L							U
cis-1,2-Dichloroethene	ND	0.20	ug/L							U
Benzene	ND	0.20	ug/L							U
Trichloroethene	ND	0.20	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	5.26		ug/L	5.00		105	80-129			
Surrogate: Toluene-d8	4.87		ug/L	5.00		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	4.54		ug/L	5.00		90.9	80-120			
LCS (BII0762-BS2)			Prepa	ared: 26-Sep	o-2020 A	nalyzed: 26-5	Sep-2020 11	:14		
Vinyl Chloride	9.34	0.20	ug/L	10.0		93.4	66-133			
cis-1,2-Dichloroethene	10.2	0.20	ug/L	10.0		102	80-121			
Benzene	10.4	0.20	ug/L	10.0		104	80-120			
Trichloroethene	10.1	0.20	ug/L	10.0		101	80-120			
Surrogate: 1,2-Dichloroethane-d4	5.03		ug/L	5.00		101	80-129			
Surrogate: Toluene-d8	5.02		ug/L	5.00		100	80-120			
Surrogate: 4-Bromofluorobenzene	4.84		ug/L	5.00		96.7	80-120			
LCS Dup (BH0762-BSD2)			Prepa	ared: 26-Sep	o-2020 A	nalyzed: 26-5	Sep-2020 11	:35		
Vinyl Chloride	9.27	0.20	ug/L	10.0		92.7	66-133	0.78	30	
cis-1,2-Dichloroethene	10.3	0.20	ug/L	10.0		103	80-121	0.93	30	
Benzene	10.6	0.20	ug/L	10.0		106	80-120	1.97	30	
Trichloroethene	10.3	0.20	ug/L	10.0		103	80-120	2.36	30	
Surrogate: 1,2-Dichloroethane-d4	5.00		ug/L	5.00		100	80-129			
Surrogate: Toluene-d8	4.94		ug/L	5.00		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	4.83		ug/L	5.00		96.5	80-120			

Analytical Resources, Inc.



The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:

Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

Wet Chemistry - Quality Control

Batch BII0679 - No Prep Wet Chem

Instrument: IC930 Analyst: CDE

		Detection	Reporting		Spike	Source		%REC		RPD	
QC Sample/Analyte	Result	Limit	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Blank (BII0679-BLK1)				Prepa	ared: 24-Sep	-2020 Ana	alyzed: 24-	Sep-2020 12	:46		
Nitrate-N	ND	0.100	0.100	mg/L							U
Nitrite-N	ND	0.100	0.100	mg/L							U
Sulfate	ND	0.100	0.100	mg/L							U
LCS (BII0679-BS1)				Prepa	ared: 24-Sep	-2020 Ana	alyzed: 24-	Sep-2020 13	:06		
Nitrate-N	4.90	0.100	0.100	mg/L	5.00		98.0	90-110			
Nitrite-N	4.98	0.100	0.100	mg/L	5.00		99.7	90-110			
Sulfate	5.15	0.100	0.100	mg/L	5.00		103	90-110			
Duplicate (BII0679-DUP1)	Se	ource: 2010	0337-01	Prepa	ared: 24-Sep	-2020 Ana	alyzed: 24-	Sep-2020 13	:46		
Nitrate-N	ND	0.100	0.100	mg/L		ND					U
Nitrite-N	ND	0.100	0.100	mg/L		ND					U
Duplicate (BII0679-DUP2)	Se	ource: 2010	0337-01RE1	Prepa	ared: 24-Sep	o-2020 Ana	alyzed: 24-	Sep-2020 18	:47		
Sulfate	26.7	0.800	0.800	mg/L		26.3			1.37	20	D
Matrix Spike (BII0679-MS1)	Se	ource: 2010	0337-01	Prepa	ared: 24-Sep	o-2020 Ana	alyzed: 24-	Sep-2020 14	:06		
Nitrate-N	1.97	0.100	0.100	mg/L	2.00	ND	98.3	75-125			
Nitrite-N	1.61	0.100	0.100	mg/L	2.00	ND	80.4	75-125			
Recovery limits for target analytes in MS/MS	SD QC samples are	advisory onl	ly.								
Matrix Spike (BII0679-MS2)	Se	ource: 20I	0337-01RE1	Prepa	ared: 24-Sep	o-2020 Ana	alyzed: 24-	Sep-2020 19	:06		
Sulfate	45.7	0.900	0.900	mg/L	20.0	26.3	96.7	75-125			D

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Analytical Resources, Inc.





The Boeing Company Project: Boeing Renton Regional GW Building 4-78/79

PO Box 3707 M/S 1W-12 Project Number: Boeing Renton Regional GW Building 4-78/79 Reported:
Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

Certified Analyses included in this Report

Analyte	Certifications
EPA 300.0 in Water	
Nitrate-N	DoD-ELAP,WADOE,WA-DW
Nitrate-N	DoD-ELAP,WADOE,WA-DW,NELAP
Nitrate-N	DoD-ELAP,WA-DW,NELAP
Nitrate-N	DoD-ELAP,WADOE,NELAP
Nitrite-N	DoD-ELAP,WA-DW,NELAP
Nitrite-N	DoD-ELAP,WADOE,WA-DW
Nitrite-N	DoD-ELAP,WADOE,WA-DW,NELAP
Nitrite-N	DoD-ELAP,WADOE,NELAP
Sulfate	DoD-ELAP,WADOE,WA-DW,NELAP
Sulfate	DoD-ELAP,WADOE,WA-DW
Sulfate	DoD-ELAP,WA-DW,NELAP
Sulfate	DoD-ELAP,WADOE,NELAP
EPA 8260D in Water	
Chloromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Chloromethane	DoD-ELAP,ADEC,NELAP,CALAP
Chloromethane	DoD-ELAP,ADEC,CALAP,WADOE
Chloromethane	DoD-ELAP,ADEC,NELAP,WADOE
Vinyl Chloride	DoD-ELAP,ADEC,NELAP,WADOE
Vinyl Chloride	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Vinyl Chloride	DoD-ELAP,ADEC,NELAP,CALAP
Vinyl Chloride	DoD-ELAP,ADEC,CALAP,WADOE
Bromomethane	DoD-ELAP,ADEC,CALAP,WADOE
Bromomethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Bromomethane	DoD-ELAP,ADEC,NELAP,CALAP
Bromomethane	DoD-ELAP,ADEC,NELAP,WADOE
Chloroethane	DoD-ELAP,ADEC,NELAP,WADOE
Chloroethane	DoD-ELAP,ADEC,CALAP,WADOE
Chloroethane	DoD-ELAP,ADEC,NELAP,CALAP
Chloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,NELAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,CALAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,NELAP,CALAP
Acrolein	DoD-ELAP,CALAP,WADOE
Acrolein	DoD-ELAP,NELAP,CALAP

Analytical Resources, Inc.



The Boeing Company	Project: Boeing Renton Regional GW Building 4-78/79	
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Seattle WA, 98124	Project Manager: Nick Garson	15-Oct-2020 18:05

Acrolein DoD-ELAP, WADOE

Acrolein DoD-ELAP, NELAP, WADOE

1,1,2-Trichloro-1,2,2-Trifluoroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1,2-Trichloro-1,2,2-TrifluoroethaneDoD-ELAP,ADEC,NELAP,WADOE1,1,2-Trichloro-1,2,2-TrifluoroethaneDoD-ELAP,ADEC,CALAP,WADOE1,1,2-Trichloro-1,2,2-TrifluoroethaneDoD-ELAP,ADEC,NELAP,CALAPAcetoneDoD-ELAP,ADEC,NELAP,WADOEAcetoneDoD-ELAP,ADEC,CALAP,WADOEAcetoneDoD-ELAP,ADEC,NELAP,CALAP

Acetone DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1-Dichloroethene DoD-ELAP,ADEC,NELAP,WADOE

1,1-Dichloroethene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1-DichloroetheneDoD-ELAP,ADEC,CALAP,WADOE1,1-DichloroetheneDoD-ELAP,ADEC,NELAP,CALAPIodomethaneDoD-ELAP,NELAP,WADOEIodomethaneDoD-ELAP,CALAP,WADOE

Iodomethane DoD-ELAP,NELAP,CALAP,WADOE

lodomethane DoD-ELAP,NELAP,CALAP

Methylene Chloride DoD-ELAP,ADEC,CALAP,WADOE
Methylene Chloride DoD-ELAP,ADEC,NELAP,CALAP
Methylene Chloride DoD-ELAP,ADEC,NELAP,WADOE

Methylene Chloride DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Acrylonitrile DoD-ELAP,NELAP,CALAP,WADOE

Acrylonitrile DoD-ELAP,NELAP,CALAP
Acrylonitrile DoD-ELAP,CALAP,WADOE
Acrylonitrile DoD-ELAP,NELAP,WADOE
Carbon Disulfide DoD-ELAP,CALAP,WADOE
Carbon Disulfide DoD-ELAP,NELAP,CALAP
Carbon Disulfide DoD-ELAP,NELAP,WADOE

Carbon Disulfide DoD-ELAP,NELAP,CALAP,WADOE

trans-1,2-Dichloroethene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

trans-1,2-Dichloroethene DoD-ELAP,ADEC,NELAP,WADOE trans-1,2-Dichloroethene DoD-ELAP,ADEC,CALAP,WADOE trans-1,2-Dichloroethene DoD-ELAP,ADEC,NELAP,CALAP Vinyl Acetate DoD-ELAP,NELAP,CALAP,WADOE

Vinyl Acetate DoD-ELAP,NELAP,CALAP
Vinyl Acetate DoD-ELAP,CALAP,WADOE
Vinyl Acetate DoD-ELAP,NELAP,WADOE
1,1-Dichloroethane DoD-ELAP,ADEC,NELAP,CALAP

Analytical Resources, Inc.





l	The Boeing Company	Project: Boeing Renton Regional GW Building 4-78/79	
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1,1-Dichloroethane DoD-ELAP,ADEC,CALAP,WADOE

1,1-Dichloroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1-Dichloroethane DoD-ELAP,ADEC,NELAP,WADOE

2-Butanone DoD-ELAP,NELAP,CALAP

2-Butanone DoD-ELAP,NELAP,CALAP,WADOE

2-Butanone DoD-ELAP, WADOE
2-Butanone DoD-ELAP, CALAP, WADOE
2,2-Dichloropropane DoD-ELAP, ADEC, NELAP, WADOE

2,2-Dichloropropane DoD-ELAP,ADEC,CALAP,WADOE

2,2-Dichloropropane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

2,2-DichloropropaneDoD-ELAP,ADEC,NELAP,CALAPcis-1,2-DichloroetheneDoD-ELAP,ADEC,NELAP,CALAP

cis-1,2-Dichloroethene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

cis-1,2-DichloroetheneDoD-ELAP,ADEC,CALAP,WADOEcis-1,2-DichloroetheneDoD-ELAP,ADEC,NELAP,WADOEChloroformDoD-ELAP,ADEC,NELAP,WADOE

Chloroform DoD-ELAP,ADEC,NELAP,CALAP,WADOE

ChloroformDoD-ELAP,ADEC,CALAP,WADOEChloroformDoD-ELAP,ADEC,NELAP,CALAPBromochloromethaneDoD-ELAP,ADEC,NELAP,WADOE

Bromochloromethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Bromochloromethane DoD-ELAP,ADEC,NELAP,CALAP
Bromochloromethane DoD-ELAP,ADEC,CALAP,WADOE
1,1,1-Trichloroethane DoD-ELAP,ADEC,NELAP,WADOE
1,1,1-Trichloroethane DoD-ELAP,ADEC,CALAP,WADOE
1,1,1-Trichloroethane DoD-ELAP,ADEC,NELAP,CALAP

1,1,1-Trichloroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1-Dichloropropene DoD-ELAP,ADEC,NELAP,WADOE

1,1-Dichloropropene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1-DichloropropeneDoD-ELAP,ADEC,NELAP,CALAP1,1-DichloropropeneDoD-ELAP,ADEC,CALAP,WADOECarbon tetrachlorideDoD-ELAP,ADEC,CALAP,WADOECarbon tetrachlorideDoD-ELAP,ADEC,NELAP,CALAP

Carbon tetrachloride DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Carbon tetrachloride DoD-ELAP,ADEC,NELAP,WADOE 1,2-Dichloroethane DoD-ELAP,ADEC,NELAP,WADOE 1,2-Dichloroethane DoD-ELAP,ADEC,CALAP,WADOE 1,2-Dichloroethane DoD-ELAP,ADEC,NELAP,CALAP

1,2-Dichloroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

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l	The Boeing Company	Project: Boeing Renton Regional GW Building 4-78/79	
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Benzene DoD-ELAP, ADEC, NELAP, CALAP, WADOE

Benzene DoD-ELAP,ADEC,NELAP,CALAP
Benzene DoD-ELAP,ADEC,CALAP,WADOE
Benzene DoD-ELAP,ADEC,NELAP,WADOE
Trichloroethene DoD-ELAP,ADEC,NELAP,CALAP
Trichloroethene DoD-ELAP,ADEC,NELAP,WADOE

Trichloroethene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Trichloroethene DoD-ELAP,ADEC,CALAP,WADOE 1,2-Dichloropropane DoD-ELAP,ADEC,NELAP,WADOE

1,2-Dichloropropane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,2-DichloropropaneDoD-ELAP,ADEC,CALAP,WADOE1,2-DichloropropaneDoD-ELAP,ADEC,NELAP,CALAP

Bromodichloromethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Bromodichloromethane DoD-ELAP,ADEC,CALAP,WADOE Bromodichloromethane DoD-ELAP,ADEC,NELAP,CALAP Bromodichloromethane DoD-ELAP,ADEC,NELAP,WADOE

Dibromomethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Dibromomethane
DoD-ELAP,ADEC,NELAP,CALAP
Dibromomethane
DoD-ELAP,ADEC,CALAP,WADOE
Dibromomethane
DoD-ELAP,ADEC,NELAP,WADOE
2-Chloroethyl vinyl ether
DoD-ELAP,ADEC,NELAP,CALAP

2-Chloroethyl vinyl ether DoD-ELAP,ADEC,NELAP,CALAP,WADOE

2-Chloroethyl vinyl ether DoD-ELAP,ADEC,CALAP,WADOE DoD-ELAP,ADEC,NELAP,WADOE

4-Methyl-2-Pentanone DoD-ELAP,NELAP,WADOE
4-Methyl-2-Pentanone DoD-ELAP,CALAP,WADOE
4-Methyl-2-Pentanone DoD-ELAP,NELAP,CALAP

4-Methyl-2-Pentanone DoD-ELAP,NELAP,CALAP,WADOE cis-1,3-Dichloropropene DoD-ELAP,ADEC,NELAP,CALAP

cis-1,3-Dichloropropene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

cis-1,3-DichloropropeneDoD-ELAP,ADEC,NELAP,WADOEcis-1,3-DichloropropeneDoD-ELAP,ADEC,CALAP,WADOETolueneDoD-ELAP,ADEC,NELAP,WADOE

Toluene DoD-ELAP, ADEC, NELAP, CALAP, WADOE

Toluene DoD-ELAP,ADEC,CALAP,WADOE Toluene DoD-ELAP,ADEC,NELAP,CALAP trans-1,3-Dichloropropene DoD-ELAP,ADEC,NELAP,WADOE trans-1,3-Dichloropropene DoD-ELAP,ADEC,CALAP,WADOE trans-1,3-Dichloropropene DoD-ELAP,ADEC,NELAP,CALAP

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The Boeing Company	Project: Boeing Renton Regional GW Building 4-78/79	
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trans-1,3-Dichloropropene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

2-HexanoneDoD-ELAP,NELAP,CALAP2-HexanoneDoD-ELAP,CALAP,WADOE2-HexanoneDoD-ELAP,NELAP,WADOE

2-Hexanone DoD-ELAP,NELAP,CALAP,WADOE 1,1,2-Trichloroethane DoD-ELAP,ADEC,NELAP,CALAP DoD-ELAP,ADEC,NELAP,WADOE

1,1,2-Trichloroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1,2-TrichloroethaneDoD-ELAP,ADEC,CALAP,WADOE1,3-DichloropropaneDoD-ELAP,ADEC,NELAP,WADOE1,3-DichloropropaneDoD-ELAP,ADEC,CALAP,WADOE

1,3-Dichloropropane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,3-DichloropropaneDoD-ELAP,ADEC,NELAP,CALAPTetrachloroetheneDoD-ELAP,ADEC,NELAP,WADOETetrachloroetheneDoD-ELAP,ADEC,NELAP,CALAPTetrachloroetheneDoD-ELAP,ADEC,CALAP,WADOE

Tetrachloroethene DoD-ELAP,ADEC,NELAP,CALAP,WADOE Dibromochloromethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

DibromochloromethaneDoD-ELAP,ADEC,NELAP,CALAPDibromochloromethaneDoD-ELAP,ADEC,NELAP,WADOEDibromochloromethaneDoD-ELAP,ADEC,CALAP,WADOE1,2-DibromoethaneDoD-ELAP,NELAP,CALAP,WADOE

1,2-DibromoethaneDoD-ELAP,NELAP,WADOE1,2-DibromoethaneDoD-ELAP,CALAP,WADOE1,2-DibromoethaneDoD-ELAP,NELAP,CALAP

Chlorobenzene DoD-ELAP,ADEC,NELAP,WADOE Chlorobenzene DoD-ELAP,ADEC,CALAP,WADOE Chlorobenzene DoD-ELAP,ADEC,NELAP,CALAP

Chlorobenzene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

EthylbenzeneDoD-ELAP,ADEC,NELAP,CALAPEthylbenzeneDoD-ELAP,ADEC,NELAP,WADOEEthylbenzeneDoD-ELAP,ADEC,CALAP,WADOE

Ethylbenzene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1,1,2-Tetrachloroethane DoD-ELAP,ADEC,NELAP,CALAP

1,1,1,2-Tetrachloroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,1,1,2-TetrachloroethaneDoD-ELAP,ADEC,NELAP,WADOE1,1,1,2-TetrachloroethaneDoD-ELAP,ADEC,CALAP,WADOE

m,p-Xylene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

m,p-Xylene DoD-ELAP,ADEC,CALAP,WADOE

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m,p-Xylene DoD-ELAP,ADEC,NELAP,CALAP m,p-Xylene DoD-ELAP,ADEC,NELAP,WADOE o-Xylene DoD-ELAP,ADEC,NELAP,CALAP DoD-ELAP,ADEC,CALAP,WADOE o-Xylene DoD-ELAP,ADEC,CALAP,WADOE DoD-ELAP,ADEC,NELAP,WADOE

o-Xylene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Styrene DoD-ELAP,NELAP,CALAP,WADOE

StyreneDoD-ELAP,NELAP,CALAPStyreneDoD-ELAP,CALAP,WADOEStyreneDoD-ELAP,NELAP,WADOEBromoformDoD-ELAP,CALAP,WADOEBromoformDoD-ELAP,NELAP,WADOE

Bromoform DoD-ELAP, NELAP, CALAP, WADOE

Bromoform DoD-ELAP,NELAP,CALAP

1,1,2,2-TetrachloroethaneDoD-ELAP,ADEC,NELAP,WADOE1,1,2,2-TetrachloroethaneDoD-ELAP,ADEC,CALAP,WADOE1,1,2,2-TetrachloroethaneDoD-ELAP,ADEC,NELAP,CALAP

1,1,2,2-Tetrachloroethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,2,3-Trichloropropane DoD-ELAP,ADEC,NELAP,WADOE 1,2,3-Trichloropropane DoD-ELAP,ADEC,CALAP,WADOE

1,2,3-Trichloropropane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,2,3-Trichloropropane DoD-ELAP,ADEC,NELAP,CALAP trans-1,4-Dichloro 2-Butene DoD-ELAP,ADEC,CALAP,WADOE

trans-1,4-Dichloro 2-Butene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

trans-1,4-Dichloro 2-Butene DoD-ELAP,ADEC,NELAP,CALAP trans-1,4-Dichloro 2-Butene DoD-ELAP,ADEC,NELAP,WADOE n-Propylbenzene DoD-ELAP,NELAP,CALAP,WADOE

n-PropylbenzeneDoD-ELAP,NELAP,WADOEn-PropylbenzeneDoD-ELAP,NELAP,CALAPn-PropylbenzeneDoD-ELAP,CALAP,WADOE

Bromobenzene DoD-ELAP,NELAP,CALAP,WADOE

Bromobenzene DoD-ELAP,NELAP,CALAP
Bromobenzene DoD-ELAP,CALAP,WADOE
Bromobenzene DoD-ELAP,NELAP,WADOE

Isopropyl Benzene DoD-ELAP,NELAP,CALAP,WADOE

Isopropyl BenzeneDoD-ELAP,NELAP,CALAPIsopropyl BenzeneDoD-ELAP,CALAP,WADOEIsopropyl BenzeneDoD-ELAP,NELAP,WADOE

2-Chlorotoluene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

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4-Chlorotoluene

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DoD-ELAP, ADEC, NELAP, CALAP

2-Chlorotoluene DoD-ELAP,ADEC,NELAP,WADOE
2-Chlorotoluene DoD-ELAP,ADEC,CALAP,WADOE
2-Chlorotoluene DoD-ELAP,ADEC,NELAP,CALAP
4-Chlorotoluene DoD-ELAP,ADEC,NELAP,WADOE
4-Chlorotoluene DoD-ELAP,ADEC,CALAP,WADOE

4-Chlorotoluene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

t-Butylbenzene DoD-ELAP,NELAP,CALAP,WADOE
t-Butylbenzene DoD-ELAP,NELAP,WADOE
t-Butylbenzene DoD-ELAP,NELAP,CALAP
t-Butylbenzene DoD-ELAP,CALAP,WADOE
1,3,5-Trimethylbenzene DoD-ELAP,NELAP,CALAP

1,3,5-TrimethylbenzeneDoD-ELAP,NELAP,CALAP1,3,5-TrimethylbenzeneDoD-ELAP,CALAP,WADOE1,3,5-TrimethylbenzeneDoD-ELAP,NELAP,CALAP,WADOE

1,3,5-Trimethylbenzene DoD-ELAP,NELAP,CALAP,WADOE 1,3,5-Trimethylbenzene DoD-ELAP,NELAP,WADOE

1,2,4-Trimethylbenzene DoD-ELAP,NELAP,CALAP,WADOE

1,2,4-TrimethylbenzeneDoD-ELAP,NELAP,CALAP1,2,4-TrimethylbenzeneDoD-ELAP,NELAP,WADOE1,2,4-TrimethylbenzeneDoD-ELAP,CALAP,WADOE

s-Butylbenzene DoD-ELAP,NELAP,CALAP,WADOE

s-Butylbenzene DoD-ELAP,NELAP,CALAP
s-Butylbenzene DoD-ELAP,CALAP,WADOE
s-Butylbenzene DoD-ELAP,NELAP,WADOE
4-Isopropyl Toluene DoD-ELAP,NELAP,CALAP
DoD-ELAP,NELAP,CALAP

4-Isopropyl Toluene DoD-ELAP,NELAP,CALAP,WADOE

4-Isopropyl Toluene DoD-ELAP, CALAP, WADOE

1,3-DichlorobenzeneDoD-ELAP,ADEC,CALAP,WADOE1,3-DichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAP1,3-DichlorobenzeneDoD-ELAP,ADEC,NELAP,WADOE

1,3-DichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAP,WADOE1,4-DichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,4-DichlorobenzeneDoD-ELAP,ADEC,NELAP,WADOE1,4-DichlorobenzeneDoD-ELAP,ADEC,CALAP,WADOE1,4-DichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAPn-ButylbenzeneDoD-ELAP,CALAP,WADOE

n-Butylbenzene DoD-ELAP,NELAP,CALAP,WADOE

n-Butylbenzene DoD-ELAP,NELAP,CALAP n-Butylbenzene DoD-ELAP,NELAP,WADOE

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The Boeing Company	Project: Boeing Renton Regional GW Building 4-78/79	
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1,2-DichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAP1,2-DichlorobenzeneDoD-ELAP,ADEC,CALAP,WADOE

1,2-Dichlorobenzene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,2-DichlorobenzeneDoD-ELAP,ADEC,NELAP,WADOE1,2-Dibromo-3-chloropropaneDoD-ELAP,ADEC,NELAP,WADOE1,2-Dibromo-3-chloropropaneDoD-ELAP,ADEC,CALAP,WADOE1,2-Dibromo-3-chloropropaneDoD-ELAP,ADEC,NELAP,CALAP

1,2-Dibromo-3-chloropropaneDoD-ELAP,ADEC,NELAP,CALAP,WADOE1,2,4-TrichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,2,4-TrichlorobenzeneDoD-ELAP,ADEC,CALAP,WADOE1,2,4-TrichlorobenzeneDoD-ELAP,ADEC,NELAP,CALAP1,2,4-TrichlorobenzeneDoD-ELAP,ADEC,NELAP,WADOE

Hexachloro-1,3-Butadiene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Hexachloro-1,3-ButadieneDoD-ELAP,ADEC,NELAP,CALAPHexachloro-1,3-ButadieneDoD-ELAP,ADEC,NELAP,WADOEHexachloro-1,3-ButadieneDoD-ELAP,ADEC,CALAP,WADOE

Naphthalene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Naphthalene DoD-ELAP,ADEC,NELAP,WADOE
Naphthalene DoD-ELAP,ADEC,NELAP,CALAP
Naphthalene DoD-ELAP,ADEC,CALAP,WADOE
1,2,3-Trichlorobenzene DoD-ELAP,ADEC,NELAP,WADOE

1,2,3-Trichlorobenzene DoD-ELAP,ADEC,NELAP,CALAP,WADOE

1,2,3-Trichlorobenzene DoD-ELAP,ADEC,NELAP,CALAP
1,2,3-Trichlorobenzene DoD-ELAP,ADEC,CALAP,WADOE

Dichlorodifluoromethane DoD-ELAP,ADEC,NELAP,CALAP,WADOE

DichlorodifluoromethaneDoD-ELAP,ADEC,NELAP,WADOEDichlorodifluoromethaneDoD-ELAP,ADEC,CALAP,WADOEDichlorodifluoromethaneDoD-ELAP,ADEC,NELAP,CALAP

Methyl tert-butyl Ether DoD-ELAP,ADEC,NELAP,CALAP,WADOE

Methyl tert-butyl EtherDoD-ELAP,ADEC,NELAP,WADOEMethyl tert-butyl EtherDoD-ELAP,ADEC,NELAP,CALAPMethyl tert-butyl EtherDoD-ELAP,ADEC,CALAP,WADOE

n-Hexane WADOE n-Hexane WADOE

n-Hexane

n-Hexane WADOE
2-Pentanone WADOE
2-Pentanone WADOE

2-Pentanone

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2-Pentanone WADOE

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	01/31/2021
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program	66169	01/01/2021

Analytical Resources, Inc.



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Seattle WA, 98124 Project Manager: Nick Garson 15-Oct-2020 18:05

Notes and Definitions

 Flagged value is not within established control limits.

D The reported value is from a dilution

U This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

[2C] Indicates this result was quantified on the second column on a dual column analysis.



10/9/2020 Mr. Justin Neste CALIBRE, Environmental Technology Solutions 20926 Pugh Rd NE

Poulsbo WA 98370

Project Name: Renton 5-09

Project #:

Workorder #: 2009744

Dear Mr. Justin Neste

The following report includes the data for the above referenced project for sample(s) received on 9/25/2020 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Alexandra Winslow at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Alexandra Winslow

Project Manager



WORK ORDER #: 2009744

Work Order Summary

CLIENT: Mr. Justin Neste **BILL TO:** Accounts Payable

> CALIBRE, Environmental Technology **Eurofins Lancaster Laboratories**

Solutions

Environmental, LLC 20926 Pugh Rd NE 2425 New Holland Pike Poulsbo, WA 98370 Lancaster, PA 17605-2425

PHONE: 360-981-5606 **P.O.** #

FAX: PROJECT # Renton 5-09

DATE RECEIVED: 09/25/2020 **CONTACT:** Alexandra Winslow

DATE COMPLETED: 10/09/2020

			RECEIPT	FINAL
FRACTION #	<u>NAME</u>	<u>TEST</u>	VAC./PRES.	PRESSURE
01A	SVE-2-092320	TO-15	4.9 "Hg	14.9 psi
02A	SVE-3-092320	TO-15	4.5 "Hg	14.8 psi
03A	SVE-IN-092320	TO-15	3.7 "Hg	14.9 psi
04A	Lab Blank	TO-15	NA	NA
05A	CCV	TO-15	NA	NA
06A	LCS	TO-15	NA	NA
06AA	LCSD	TO-15	NA	NA

	the	ide /	Payer		
CERTIFIED BY:	0		0	DATE:	10/09/20

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP - E87680, LA NELAP - 02089, NH NELAP - 209219, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-19-14, UT NELAP - CA009332020-12, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-013, Effective date: 10/18/2019, Expiration date: 10/17/2020.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards



LABORATORY NARRATIVE EPA Method TO-15 CALIBRE, Environmental Technology Solutions Workorder# 2009744

Three 1 Liter Summa Canister samples were received on September 25, 2020. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Dilution was performed on sample SVE-3-092320 due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

- B Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
 - J Estimated value.
 - E Exceeds instrument calibration range.
 - S Saturated peak.
 - Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
 - UJ- Non-detected compound associated with low bias in the CCV
 - N The identification is based on presumptive evidence.
 - M Reported value may be biased due to apparent matrix interferences.
 - CN See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE-2-092320

Lab ID#: 2009744-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)	
cis-1,2-Dichloroethene	1.2	5.6	4.8	22	
Chloroform	1.2	1.9	5.9	9.1	
Trichloroethene	1.2	6.7	6.5	36	
Tetrachloroethene	1.2	42	8.2	280	

Client Sample ID: SVE-3-092320

Lab ID#: 2009744-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	2.4	11	9.4	43
1,1,1-Trichloroethane	2.4	6.0	13	33
Trichloroethene	2.4	37	13	200
Toluene	2.4	3.8	8.9	14
Tetrachloroethene	2.4	410	16	2800

Client Sample ID: SVE-IN-092320

Lab ID#: 2009744-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)	
cis-1,2-Dichloroethene	1.2	3.7	4.6	15	_
1,1,1-Trichloroethane	1.2	1.8	6.3	9.9	
Trichloroethene	1.2	11	6.2	58	
Tetrachloroethene	1.2	110	7.8	730	



Client Sample ID: SVE-2-092320 Lab ID#: 2009744-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100826 Date of Collection: 9/23/20 12:51:00
Dil. Factor: 2.41 Date of Analysis: 10/9/20 02:31 AM

	Z.71	Date	Ol Allalysis. 10/3/	20 02.31 AW
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
Freon 113	1.2	Not Detected	9.2	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	Not Detected	29	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	5.6	4.8	22
Chloroform	1.2	1.9	5.9	9.1
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
Trichloroethene	1.2	6.7	6.5	36
Toluene	1.2	Not Detected	4.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	42	8.2	280
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	490	Not Detected
Acetonitrile	12	Not Detected	20	Not Detected
Vinyl Acetate	4.8	Not Detected	17	Not Detected
Octane	4.8	Not Detected	22	Not Detected
Pentane	4.8	Not Detected	14	Not Detected
Butylbenzene	4.8	Not Detected	26	Not Detected
Decane	4.8	Not Detected	28	Not Detected
,				
Dodecane	12	Not Detected	84	Not Detected
Dodecane sec-Butylbenzene	12 4.8	Not Detected Not Detected	84 26	Not Detected Not Detected

Container Type: 1 Liter Summa Canister

Surrogates Method Limits



Client Sample ID: SVE-2-092320 Lab ID#: 2009744-01A

EPA METHOD TO-15 GC/MS FULL SCAN

 File Name:
 3100826
 Date of Collection: 9/23/20 12:51:00

 Dil. Factor:
 2.41
 Date of Analysis: 10/9/20 02:31 AM

		Wethod	
Surrogates	%Recovery	Limits	
Toluene-d8	91	70-130	
1,2-Dichloroethane-d4	96	70-130	
4-Bromofluorobenzene	93	70-130	



Client Sample ID: SVE-3-092320 Lab ID#: 2009744-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3100827	Date of Collection: 9/23/20 12:56:00
Dil. Factor:	4.72	Date of Analysis: 10/9/20 02:58 AM

Dil. Factor. 4.72 Date of Analysis:		of Analysis: 10/9	10/9/20 02:58 AW	
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Chloromethane	24	Not Detected	49	Not Detected
Vinyl Chloride	2.4	Not Detected	6.0	Not Detected
Freon 113	2.4	Not Detected	18	Not Detected
1,1-Dichloroethene	2.4	Not Detected	9.4	Not Detected
Acetone	24	Not Detected	56	Not Detected
Carbon Disulfide	9.4	Not Detected	29	Not Detected
Methylene Chloride	24	Not Detected	82	Not Detected
trans-1,2-Dichloroethene	2.4	Not Detected	9.4	Not Detected
Hexane	2.4	Not Detected	8.3	Not Detected
1,1-Dichloroethane	2.4	Not Detected	9.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	9.4	Not Detected	28	Not Detected
cis-1,2-Dichloroethene	2.4	11	9.4	43
Chloroform	2.4	Not Detected	12	Not Detected
1,1,1-Trichloroethane	2.4	6.0	13	33
Benzene	2.4	Not Detected	7.5	Not Detected
Trichloroethene	2.4	37	13	200
Toluene	2.4	3.8	8.9	14
1,1,2-Trichloroethane	2.4	Not Detected	13	Not Detected
Tetrachloroethene	2.4	410	16	2800
Chlorobenzene	2.4	Not Detected	11	Not Detected
Ethyl Benzene	2.4	Not Detected	10	Not Detected
m,p-Xylene	2.4	Not Detected	10	Not Detected
o-Xylene	2.4	Not Detected	10	Not Detected
Styrene	2.4	Not Detected	10	Not Detected
Cumene	2.4	Not Detected	12	Not Detected
Propylbenzene	2.4	Not Detected	12	Not Detected
1,3,5-Trimethylbenzene	2.4	Not Detected	12	Not Detected
1,2,4-Trimethylbenzene	2.4	Not Detected	12	Not Detected
TPH ref. to Gasoline (MW=100)	240	Not Detected	960	Not Detected
Acetonitrile	24	Not Detected	40	Not Detected
Vinyl Acetate	9.4	Not Detected	33	Not Detected
Octane	9.4	Not Detected	44	Not Detected
Pentane	9.4	Not Detected	28	Not Detected
Butylbenzene	9.4	Not Detected	52	Not Detected
Decane	9.4	Not Detected	55	Not Detected
Dodecane	24	Not Detected	160	Not Detected
sec-Butylbenzene	9.4	Not Detected	52	Not Detected
p-Cymene	9.4	Not Detected	52	Not Detected
1 7 -	•		•	

Container Type: 1 Liter Summa Canister

Surrogates %Recovery Limits



Client Sample ID: SVE-3-092320 Lab ID#: 2009744-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100827 Date of Collection: 9/23/20 12:56:00
Dil. Factor: 4.72 Date of Analysis: 10/9/20 02:58 AM

		Wethod	
Surrogates	%Recovery	Limits	
Toluene-d8	96	70-130	
1,2-Dichloroethane-d4	96	70-130	
4-Bromofluorobenzene	92	70-130	



Client Sample ID: SVE-IN-092320 Lab ID#: 2009744-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3100828	Date of Collection: 9/23/20 13:01:00
Dil. Factor:	2.30	Date of Analysis: 10/9/20 03:28 AM

DII. Factor.	2.30 Date of Analysis: 10/9/20 03:28 Al			20 03:28 AW
0	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	2.9	Not Detected
Freon 113	1.2	Not Detected	8.8	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	Not Detected	27	Not Detected
Carbon Disulfide	4.6	Not Detected	14	Not Detected
Methylene Chloride	12	Not Detected	40	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.0	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	3.7	4.6	15
Chloroform	1.2	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	1.2	1.8	6.3	9.9
Benzene	1.2	Not Detected	3.7	Not Detected
Trichloroethene	1.2	11	6.2	 58
Toluene	1.2	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Tetrachloroethene	1.2	110	7.8	730
Chlorobenzene	1.2	Not Detected	5.3	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	4.9	Not Detected
Cumene	1.2	Not Detected	5.6	Not Detected
Propylbenzene	1.2	Not Detected	5.6	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.6	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.6	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	470	Not Detected
Acetonitrile	12	Not Detected	19	Not Detected
Vinyl Acetate	4.6	Not Detected	16	Not Detected
Octane	4.6	Not Detected	21	Not Detected
Pentane	4.6	Not Detected	14	Not Detected
Butylbenzene	4.6	Not Detected	25	Not Detected
Decane	4.6	Not Detected	27	Not Detected
Dodecane	12	Not Detected	80	Not Detected
sec-Butylbenzene	4.6	Not Detected	25	Not Detected
p-Cymene	4.6	Not Detected	25	Not Detected

Container Type: 1 Liter Summa Canister



Client Sample ID: SVE-IN-092320 Lab ID#: 2009744-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3100828	Date of Collection: 9/23/20 13:01:00
Dil. Factor:	2.30	Date of Analysis: 10/9/20 03:28 AM

		Metriod	
Surrogates	%Recovery	Limits	
Toluene-d8	94	70-130	
1,2-Dichloroethane-d4	96	70-130	
4-Bromofluorobenzene	93	70-130	



Client Sample ID: Lab Blank Lab ID#: 2009744-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3100806e	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/8/20 02:11 PM

	1.00	Date	Ol Allalysis. 10/0/	20 02.1111
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected
Acetonitrile	5.0	Not Detected	8.4	Not Detected
Vinyl Acetate	2.0	Not Detected	7.0	Not Detected
Octane	2.0	Not Detected	9.3	Not Detected
Pentane	2.0	Not Detected	5.9	Not Detected
Butylbenzene	2.0	Not Detected	11	Not Detected
Decane	2.0	Not Detected	12	Not Detected
Dodecane	5.0	Not Detected	35	Not Detected
		N (D ()	4.4	N-4 D-441
sec-Butylbenzene	2.0	Not Detected	11	Not Detected

Container Type: NA - Not Applicable

Surrogates %Recovery Limits



Client Sample ID: Lab Blank Lab ID#: 2009744-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3100806e	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/8/20 02:11 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	94	70-130



Client Sample ID: CCV Lab ID#: 2009744-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100802 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 10/8/20 11:00 AM

Chloromethane 82 Vinyl Chloride 73 Freon 113 84 1,1-Dichloroethene 88 Acetone 83 Carbon Disulfide 82 Methylene Chloride 86 trans-1,2-Dichloroethene 91 Hexane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethane 93 Toluene 98 1,1,2-Trichloroethane 93 Toluene 98 1,1,2-Trichloroethane 92 Chlorobenzene 92 Ethyl Benzene 92 Chlorobenzene 92 Ethyl Benzene 99 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 100 1,2,4-Trimethylbenzene	Compound	%Recovery
Freon 113 84 1,1-Dichloroethene 88 Acetone 83 Carbon Disulfide 82 Methylene Chloride 86 trans-1,2-Dichloroethene 91 Hexane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Toluene 92 Ethyl Benzene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 100 1,2,4-Trimethylbenzene 100 Tyl Fe f. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate	Chloromethane	82
1,1-Dichloroethene 88 Acetone 83 Carbon Disulfide 82 Methylene Chloride 86 trans-1,2-Dichloroethene 91 Hexane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Tolluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 -Xylene 99 Styrene 106 Cumene 99 Propylbenzene 100 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103	Vinyl Chloride	73
Acetone 83 Carbon Disulfide 82 Methylene Chloride 86 trans-1,2-Dichloroethene 91 Hexane 89 1,1-Dichloroethane 90 2-Butanore (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 mp-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 Typ Hr ef. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 86 Butylbenzene 103 Decane 101 Dodecane 1015 <td>Freon 113</td> <td>84</td>	Freon 113	84
Carbon Disulfide 82 Methylene Chloride 86 trans-1,2-Dichloroethene 91 Hekxane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Eithyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetate 98 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Dodecane	1,1-Dichloroethene	88
Methylene Chloride 86 trans-1,2-Dichloroethene 91 Hexane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 1,2-Trichloroethane 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 104 Dodecane <td< td=""><td>Acetone</td><td>83</td></td<>	Acetone	83
trans-1,2-Dichloroethene 91 Hexane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Carbon Disulfide	82
Hexane 89 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 mp-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 19 1,3,5-Trimethylbenzene 19 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 105 Dodecane 98	Methylene Chloride	86
1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 mp-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 106 1,3,5-Trimethylbenzene 99 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 105 Bodzane 105 Sec-Butylbenzene 98	trans-1,2-Dichloroethene	91
2-Butanone (Methyl Ethyl Ketone) 94 cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Hexane	89
cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethane 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 106 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	1,1-Dichloroethane	90
cis-1,2-Dichloroethene 88 Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	2-Butanone (Methyl Ethyl Ketone)	94
Chloroform 89 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 19 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		88
Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethane 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		89
Benzene 91 Trichloroethene 93 Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 101 Dodecane 105 sec-Butylbenzene 98	1,1,1-Trichloroethane	87
Toluene 98 1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		91
1,1,2-Trichloroethane 93 Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Trichloroethene	93
Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Toluene	98
Tetrachloroethene 92 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	1,1,2-Trichloroethane	93
Ethyl Benzene 98 m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		92
m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Chlorobenzene	92
m,p-Xylene 95 o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Ethyl Benzene	98
o-Xylene 99 Styrene 106 Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 100 T,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		95
Cumene 99 Propylbenzene 99 1,3,5-Trimethylbenzene 99 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		99
Propylbenzene 99 1,3,5-Trimethylbenzene 100 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Styrene	106
Propylbenzene 99 1,3,5-Trimethylbenzene 100 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Cumene	99
1,3,5-Trimethylbenzene 99 1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		99
1,2,4-Trimethylbenzene 100 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		99
TPH ref. to Gasoline (MW=100) 100 Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		100
Acetonitrile 91 Vinyl Acetate 88 Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		100
Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98		91
Octane 98 Pentane 86 Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	Vinyl Acetate	88
Butylbenzene 103 Decane 101 Dodecane 105 sec-Butylbenzene 98	•	98
Decane 101 Dodecane 105 sec-Butylbenzene 98	Pentane	86
Decane 101 Dodecane 105 sec-Butylbenzene 98	Butylbenzene	103
Dodecane 105 sec-Butylbenzene 98		101
sec-Butylbenzene 98		105
, ,		
	p-Cymene	

Container Type: NA - Not Applicable

Surrogates %Recovery Limits



Client Sample ID: CCV Lab ID#: 2009744-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100802 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 10/8/20 11:00 AM

Surrogates	0/5	Limits
	%Recovery	
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	103	70-130



Client Sample ID: LCS Lab ID#: 2009744-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100803c Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 10/8/20 11:44 AM

	Method
%Recovery	Limits
79	70-130
74	70-130
84	70-130
90	70-130
82	70-130
82	70-130
84	70-130
91	70-130
89	70-130
88	70-130
94	70-130
92	70-130
88	70-130
87	70-130
89	70-130
92	70-130
96	70-130
94	70-130
92	70-130
94	70-130
99	70-130
95	70-130
98	70-130
104	70-130
97	70-130
98	70-130
97	70-130
100	70-130
Not Spiked	
Not Spiked	0-0
91	70-130
Not Spiked	0-0
_	Method
	79 74 84 90 82 82 82 84 91 89 88 87 94 92 88 87 89 92 96 94 92 94 92 94 99 95 98 104 97 98 97 100 Not Spiked

Surrogates %Recovery Limits



Client Sample ID: LCS Lab ID#: 2009744-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100803c Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 10/8/20 11:44 AM

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	102	70-130



Client Sample ID: LCSD Lab ID#: 2009744-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100804c **Date of Collection: NA** Dil. Factor: 1.00 Date of Analysis: 10/8/20 12:29 PM

		Method
Compound	%Recovery	Limits
Chloromethane	81	70-130
Vinyl Chloride	75	70-130
Freon 113	86	70-130
1,1-Dichloroethene	90	70-130
Acetone	84	70-130
Carbon Disulfide	81	70-130
Methylene Chloride	85	70-130
trans-1,2-Dichloroethene	91	70-130
Hexane	90	70-130
1,1-Dichloroethane	90	70-130
2-Butanone (Methyl Ethyl Ketone)	96	70-130
cis-1,2-Dichloroethene	92	70-130
Chloroform	89	70-130
1,1,1-Trichloroethane	89	70-130
Benzene	91	70-130
Trichloroethene	94	70-130
Toluene	98	70-130
1,1,2-Trichloroethane	93	70-130
Tetrachloroethene	92	70-130
Chlorobenzene	93	70-130
Ethyl Benzene	99	70-130
m,p-Xylene	96	70-130
o-Xylene	98	70-130
Styrene	103	70-130
Cumene	97	70-130
Propylbenzene	98	70-130
1,3,5-Trimethylbenzene	96	70-130
1,2,4-Trimethylbenzene	101	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	
Acetonitrile	Not Spiked	0-0
Vinyl Acetate	91	70-130
Octane	Not Spiked	0-0
Pentane	Not Spiked	0-0
Butylbenzene	Not Spiked	0-0
Decane	Not Spiked	0-0
Dodecane	Not Spiked	0-0
sec-Butylbenzene	Not Spiked	0-0
p-Cymene	Not Spiked	0-0

Method **Surrogates** %Recovery Limits



Client Sample ID: LCSD Lab ID#: 2009744-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 3100804c Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 10/8/20 12:29 PM

Surrogates		Limits
	%Recovery	
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	100	70-130