

Quarterly report, third quarter 2019

RCRA Corrective Action Program
Boeing Renton Facility
Project # 0088880100.2019 The Boeing Company

Prepared for:

The Boeing Company
Seattle, Washington

November 15, 2019



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Prepared by:

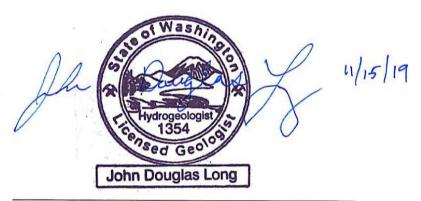
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November 15, 2019

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Wood Environment & Infrastructure Solutions, Inc.



John Long, L.G., L. Hg. Licensed Geologist/Hydrogeologist #1354 Expiration Date: May 23, 2021



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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 Renton Facility (the Facility) during the third quarter 2019. This work is required under the Resource Conservation and Recovery Act (RCRA) Corrective Action Program being performed at the Facility in Renton, Washington. 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). The groundwater monitoring program is detailed in the Addendum to the Compliance Monitoring Plan (Wood, 2019) which contains changes to the revised Compliance Monitoring Plan (Amec Foster Wheeler, 2016a) that superseded the original plan presented in Appendix D of the EDR (AMEC, 2014).

Groundwater monitoring and final cleanup action implementation 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, SVE, MNA, and MA);
- Former Fuel Farm AOC Group: (MNA);
- AOC-001 and AOC-002: (bioremediation and MA);
- AOC-003: (bioremediation and MA);
- AOC-004: (bioremediation and MA);
- AOC-060: (bioremediation and MA);
- AOC-090: (bioremediation and MA);
- Building 4-70: (bioremediation and MA);
- Lot 20/Former Building 10-71 Parcel: (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). It should be noted that monitoring for the Building 10-71 area and Building 4-70 area is included in this monitoring report to maintain continuity with the monitoring program that has been conducted for these areas for several years and as approved by the Washington State Department of Ecology (Ecology); these two areas are not addressed explicitly in the Compliance Monitoring Plan but are being addressed per Ecology's December 30, 2015, email to Boeing with comments on the revised Compliance Monitoring Plan. Monitoring for Apron A is also included, as semiannual monitoring began in this area starting in the fourth quarter of 2016 and reported in the Apron A Investigation Results report (Amec Foster Wheeler, 2016b).

The goals for cleanup of groundwater at the Facility, as described in the 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 are discussed for each SWMU and AOC below. Discussions include comparisons to



protection of groundwater for drinking water beneficial uses by comparing concentrations to the Model Toxics Control Act (MTCA) or United States Environmental Protection Agency maximum contaminant level (MCL), as well as to site-specific cleanup levels (CULs) which are based on protection of surface water beneficial uses.

This quarterly report:

- Describes work completed during the reporting quarter;
- 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 quarter, 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 quarter;
- Describes and discusses trends in monitoring data;
- Assesses remediation at each area; and
- Assesses attainment CULs at the CPOCs.

This report presents this information for the third quarter of 2019—the period from July through September 2019.

1.1 Quarterly progress reporting

In accordance with the requirements of the Order, corrective action activities were conducted at the Facility, as described in this report. As approved by Ecology in their letter dated November 18, 2015, progress reporting is conducted on a quarterly basis in conjunction with monitoring, operations, and maintenance activities conducted under the CAP.

1.1.1 Work completed in the third quarter 2019

The following work was completed during the third quarter of 2019, the period from July through September 2019:

- On behalf of Boeing, Wood Environment & Infrastructure Solutions, Inc. (Wood) submitted the second quarter 2018 report to Ecology on August 15, 2019.
- Groundwater monitoring for the third quarter of 2019 was completed during August 2019.
- On July 31, 2019, Boeing notified Ecology that a contractor working for King County on a sewer line
 project spilled fuel into an open excavation on Boeing property near the north guard gate, which is
 near the entrance to the site. Affected soil was removed from the excavation area. Total petroleum
 hydrocarbon (TPH) concentrations in soil samples collected from the site were below MTCA Method A
 Cleanup Levels. The soil confirmation soil data are included on the data CD.

1.1.2 Deviations from required tasks

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



1.1.3 Deviations from CAP

There were no deviations from the CAP during this activity period, and there are no planned deviations from the CAP expected for the next activity period.

1.1.4 Schedule revisions

There were no significant revisions to the schedule for this reporting period and no revisions are expected for the next activity period.

1.1.5 Work projected for the next quarter

The following work is projected for the fourth quarter of 2019:

- Reporting will be completed in accordance with the Order, CAP, EDR, Addendum to the Compliance Monitoring Plan (Wood, 2019), and any changes approved by Ecology.
- Groundwater sampling and analysis for the fourth quarter of 2019 will be completed.
- Monitoring wells will be decommissioned as construction on Apron R begins, per the Technical Memorandum from Wood that was submitted in December 2017 (Amec Foster Wheeler, 2017).

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 revised Compliance Monitoring Plan (Wood, 2019). Table A-1 summarizes the current groundwater monitoring program and constituents of concern (COCs) specified in the CAP and revised in the Addendum to the Compliance Monitoring Plan (Wood, 2019) 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 also include Building 4-70, Lot 20/Former Building 10-71, and Apron A, which were not included in the CAP. Any changes or exceptions to the sampling or analytical methods cited in Appendix A during the quarter are 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 quarter, 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 quarter

This section describes the corrective action activities conducted at the Facility during the third quarter of 2019. Operation of the SVE system at SWMU-172/174 continued during the third quarter, as discussed in Sections 3.2.1.2 and 3.3.1.2. Quarterly compliance monitoring was conducted in accordance with the Addendum to the Compliance Monitoring Plan (Wood, 2019).

3.1 SWMU-168

This section describes corrective action activities conducted at this SWMU. Figure 1 shows the location 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 third quarter.

3.1.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan occurred for this area during the third quarter.

3.1.3 Water levels

Groundwater elevations measured during the third quarter 2019 groundwater monitoring event at SWMU 168 are summarized in Table 1 and shown on Figure 1. Groundwater elevation contours are not shown due to the limited number of shallow groundwater monitoring wells.

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. 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 wells 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 values measured in all wells were 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 wells are shown in Table 3. VC was detected below the CUL in the groundwater collected from all CPOC area wells GW229S and GW231S. The VC concentration in CPOC area well GW230I exceeded the CUL. VC concentrations are below the applicable MCLs/MTCA criteria for potable water supply, except for GW230I.

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 SVE, bioremediation, and MA. Figure 2 shows the layout of the groundwater monitoring and 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 third quarter.

3.2.1.2 Soil vapor extraction and bioremediation operations

The SVE system at SWMU-172 and SWMU-174 operated normally during the third quarter. Details for system operations are included in the SVE operations and monitoring report prepared by CALIBRE and included as Appendix D.

3.2.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan occurred for this area during the third quarter.

3.2.3 Water levels

Groundwater elevations for the SWMU-172 and SWMU-174 area measured during the third quarter 2019 are summarized in Table 4 and shown on Figure 2. The contoured data for August 2019 show that groundwater is generally flowing east from SWMU-172 and SWMU-174, toward the Cedar River Waterway, with an approximate horizontal gradient of 0.009.

3.2.4 Groundwater monitoring results

Groundwater at 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. Total organic carbon (TOC) concentrations ranged from 1.23 milligrams per liter (mg/L) to 10.96 mg/L for all SWMU-172 and SWMU-174 monitoring wells. The other natural attenuation parameter results indicate that geochemical conditions were generally uniform and appropriate for reductive dechlorination of chlorinated volatile organic compounds (VOCs); the DO and ORP levels indicate that reducing conditions were present.

3.2.4.2 COC results for source and downgradient plume areas

Table 6 lists third quarter 2019 analytical results for the SWMU-172 and SWMU-174 COCs. Figure 3 shows historical trend plots for tetrachloroethene (PCE), trichloroethene (TCE), VC, and *cis*-1,2-dichloroethene (*cis*-1,2-DCE) in source area wells GW152S and GW153S. Historical trend plots for PCE, TCE, VC, and *cis*-1,2-DCE in downgradient plume area wells GW172S and GW173S are shown in Figure 4. 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 collected from both source area and downgradient plume area wells. As shown in Figure 3, the concentrations of COCs in groundwater from source area wells were stable during the third quarter of 2019, within the range of concentrations observed during 2019 monitoring events. As shown in Figure 4, COC concentrations also were generally stable in the groundwater from downgradient plume area wells GW172S and GW173S during the third quarter.

Arsenic was detected above the CUL in all source area and downgradient plume area wells. As shown in Figure 5, the arsenic concentrations in the groundwater from both source area and downgradient wells increased slightly during the third quarter sampling event, except for in source area well GW153S, which remained stable. Copper and lead were detected above the CUL in the groundwater from source area well GW152S and downgradient plume area well GW172S. Concentrations of both copper and lead were below the CUL in the groundwater from all other source area and downgradient plume area wells. The concentrations of arsenic and copper peaked during the third quarter sampling events conducted in August, indicating seasonal effects on the metal concentrations in groundwater.

While concentrations of select COCs in groundwater from source area and downgradient plume area wells exceed the CULs, COC concentrations are below the applicable MCLs/MTCA criteria for potable water supply.

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 6. As shown in Table 6, *cis*-1,2-DCE was detected at concentrations above the CUL, ranging from 0.0468 to 0.378 micrograms per liter (µg/L), in the groundwater collected from all CPOC area wells. The only other COC detected at a concentration above the CUL was VC in the groundwater from CPOC area well GW232S. TCE and PCE concentrations were below detection in all CPOC area wells. As shown on Figure 6, concentrations of *cis*-1,2-DCE have exceeded the CUL in the CPOC area wells since compliance monitoring began but are generally stable and are of low concern due to the low toxicity of *cis*-1,2-DCE and associated lack of surface water quality standard for this constituent. The concentrations of TCE and VC in the CPOC area wells also generally appear to be stable.

Arsenic was detected above the CUL in the groundwater samples from CPOC area wells GW232S, GW234S, and GW236S. Lead was detected above the CUL in the groundwater sample from CPOC area well GW236S; copper was not detected above the CUL in the groundwater from the CPOC area wells (Table 6). Figure 7 shows arsenic, copper, and lead trends since the beginning of compliance monitoring in groundwater samples from the CPOC area wells. As shown in Figure 7, though arsenic, copper, and lead concentrations appear to vary over time, there are no increasing trends in the groundwater collected from CPOC area wells.

While select COC concentrations exceed the CUL in the groundwater from select CPOC area wells, as detailed above, COC concentrations are below the applicable MCLs/MTCA criteria for potable water supply in all CPOC area wells, except for 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 third quarter of 2019. The cleanup remedy for this SMWU/AOC group is bioremediation, SVE, MNA, and MA. Figure 8 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 cleanup action area during the third quarter.

3.3.1.2 Soil vapor extraction and bioremediation operations

As previously reported during 2018 monitoring events, the SVE system at 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 total petroleum hydrocarbons 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 work plan (CALIBRE, 2019) for excavating the soils near PP13 and GW013S 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 will be presented to Ecology in a separate report. Groundwater elevations were being monitored during the third quarter to determine the best time for soil removal activities. As of the end of the third quarter, 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 closely monitored.

No new nitrate/sulfate injections have been completed since March 2019. Trend charts for *cis*-1,2-DCE and benzene in the injection wells are presented in Figure 9, and charts for TCE and VC in the injection wells are presented in Figure 10.

3.3.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan occurred for this area during the third quarter.

3.3.3 Water levels

Groundwater elevations measured during the third quarter 2019 groundwater monitoring event at the Building 4-78/79 SWMU/AOC group are summarized in Table 7 and shown on Figure 8. The approximate direction of groundwater flow from the source area is generally to the west, but the gradient is too flat to include accurate groundwater elevation contours.

3.3.4 Groundwater monitoring results

Results for primary geochemical indicators are presented in Table 8; results for the COCs for 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 DO and ORP, indicating that reducing conditions are present over the area and are generally favorable for reductive dechlorination of chlorinated VOCs. The pH in all monitoring wells was near 6 standard units during the third quarter monitoring period. Results for the other primary geochemical indicators were fairly consistent throughout this area.

3.3.4.2 COC results for source and downgradient plume areas

Table 9 lists third quarter 2019 analytical results for the Building 4-78/79 SWMU/AOC Group COCs. The CULs established in the CAP are also presented on Table 9. Figures 11 and 12 are trend charts showing historical trends for COCs for in source area and downgradient plume area groundwater monitoring wells that have a history of frequent detections. Trend charts have not been prepared for groundwater monitoring wells or COCs that do not have a history of frequent detections.

As shown in Table 9, benzene was detected in groundwater samples from three source area wells at concentrations above the CUL. Benzene was below detection in the remaining source area wells. Cis-1,2-DCE was detected at a concentration above the CUL in the groundwater from source area well GW033S and VC was detected at concentrations above the CUL in the groundwater from four source area wells. TCE was below detection in the groundwater from all source area wells. TPH-G was detected in the groundwater from source area well GW031S, at a concentration of 1,390 μ g/L (the field duplicate concentration was 1,200 μ g/L). TPH-G was also detected in the groundwater from source area well GW033S at a concentration below the CUL. No COCs were detected in the groundwater collected from the downgradient plume area wells.

Figure 11 shows trends for selected COCs for source area wells GW031S and GW033S and Figure 12 shows trends for selected COCs for source area well GW034S and downgradient plume area well GW209S. COC concentrations in the groundwater collected from GW031S are generally consistent with historical results and trends, with benzene decreasing in concentration during the third quarter monitoring event, similar to the third quarters in 2017 and 2018. The concentration of benzene in the groundwater collected from source area well GW033S is generally consistent with historical results. The concentrations of *cis*-1,2-DCE and VC in both source area wells shown in Figure 11 have decreased since mid-2018, and TCE has been below detection in the groundwater from the same two source area wells for all 2019 monitoring events. COC concentrations in groundwater samples collected from source area well GW034S (Figure 12) are stable. Nitrate and sulfate injections described in Appendix D are continuing to address elevated benzene present between GW210S and GW031S.

Figure 12 shows a trend chart for downgradient plume area well GW209S, which was installed in 2008 and is located west of Building 4-79. Monitoring results for all COCs are stable in the groundwater collected from GW209S, with concentrations either not detected or detected at concentrations just above the reporting limit of $0.2 \,\mu g/L$.

Concentrations of COCs in the groundwater from select source area wells remain above the MCLs/MTCA standard for potable water supply (specifically VC, benzene and TPH-G). Active treatment is ongoing. Concentrations of COCs in downgradient monitoring wells are below the applicable MCLs/MTCA criteria for potable water supply.

3.3.4.3 COC results for conditional point of compliance area

Groundwater monitoring results from the third quarter for the CPOC area are summarized in Table 9. Trends for CPOC area wells GW143S, GW237S and GW240D are shown in Figures 13 through 15. Benzene was detected only in the groundwater sample collected from CPOC area well GW237S, at a concentration below the CUL. As shown in Figure 13, benzene has been sporadically detected in the groundwater from CPOC area well GW237S but has not been detected in the groundwater samples from any other CPOC area wells at concentrations above the CUL. VC was detected in the groundwater from CPOC area wells GW237S and GW240D at concentrations above the CUL. As shown in Figure 13, the concentrations of VC in the groundwater from these CPOC area wells is within the range of concentrations detected since monitoring began. *Cis*-1,2-DCE and TCE were detected in the groundwater collected from CPOC area well GW143S at concentrations above their respective CULs, consistent with past monitoring events, as shown



in Figures 13 and 14. The only other COC detected in the groundwater samples from the CPOC area during the third quarter was TPH-G at a concentration of 329 μ g/L, below the CUL, in the sample from CPOC area well GW237S. As shown in Figure 15, TPH-G concentrations in the groundwater from CPOC GW237S appear to fluctuate seasonally.

While TCE, cis-1,2-DCE, and VC exceed the CUL in the groundwater from select CPOC area wells, as detailed above, the concentrations of TCE, cis-1,2-DCE, and VC are below the applicable MCLs/MTCA criteria for potable water supply, except for the VC concentration in GW237S.

3.4 Former fuel farm AOC group

The final remedy for the Former Fuel Farm is MNA. The Former Fuel Farm AOC group is monitored semiannually in May and November; therefore, no monitoring was conducted for this area during the third quarter of 2019.

3.5 AOC-001 and AOC-002

This section describes corrective action activities conducted at these AOCs during third quarter of 2019. The cleanup remedy for this corrective action area is bioremediation and MA. Bioremediation commenced for this area in late 2004, following source area excavation. Figure 16 shows the location of groundwater monitoring wells and the bioremediation injection system for AOC-001 and AOC 002, as well as the groundwater elevations measured during this monitoring event.

3.5.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the third quarter.

3.5.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan occurred for this area during the third quarter.

3.5.3 Water levels

Table 10 presents the groundwater elevations measured during the third quarter 2019 monitoring event at AOC-001 and AOC-002. Figure 16 shows the groundwater elevations from this event. The average elevation of Lake Washington was not available from the U.S. Army Corps of Engineers Northwestern Division website. Third quarter 2019 data indicate that groundwater in the vicinity of these AOCs was flowing west, towards Lake Washington; however, it is not possible to determine an accurate hydraulic gradient.

3.5.4 Groundwater monitoring results

Groundwater in this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for primary geochemical indicators are presented in Table 11; results for the AOC-001 and AOC-002 COCs are presented in Table 12.

3.5.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 11. The pH was near neutral in all CPOC area wells and is conducive to microbial activity. Table 11 also suggests that geochemical conditions are appropriate for reductive dechlorination of the COCs in the AOC-001 and AOC-002 CPOC area, as indicated by the reducing conditions, low DO levels, and generally appropriate TOC concentrations.

3.5.4.2 COC results for source and downgradient plume areas

The analytical results for the AOC-001 and -002 COCs are summarized in Table 12. Concentrations of 1,1-dichloroethene and benzene were below CULs in all AOC-001/002 source area and downgradient plume area wells in the third quarter. *Cis*-1,2-DCE and VC were detected at concentrations above the CUL in the groundwater collected from all source area and downgradient plume area wells. TCE was detected at concentrations above the CUL in the groundwater collected from source area well GW193S and downgradient plume area well GW192S. Trend plots for TCE, VC, and *cis*-1,2-DCE in source area well GW193S and for *cis*-1,2-DCE and VC in downgradient plume area well GW190S are shown in Figure 17. Trend plots for *cis*-1,2-DCE and VC in downgradient plume area wells GW192S and GW246S are shown in Figure 18. These figures show that concentrations of the COCs in the groundwater from source area well and the downgradient plume area wells remain stable.

While select COCs exceed the CULs in the groundwater from the source area and downgradient plume area wells, COC concentrations are below the applicable MCLs/MTCA criteria for potable water supply in the groundwater from the source area. VC concentrations in select downgradient plume area wells exceed the applicable MCLs/MTCA criteria for potable water supply.

3.5.4.3 COC results for conditional point of compliance area

As shown in Table 12, 1,1-dichloroethene, benzene, and TCE concentrations in the groundwater samples collected from CPOC area wells were all either below detection or below the CUL. Concentrations of *cis*-1,2-DCE exceeded the CUL in the groundwater samples from all CPOC area wells except for GW194S. *cis*-1,2-DCE detections ranged from 0.0333 to 0.240 µg/L. VC was detected above the CUL of 0.05 µg/L in groundwater samples from CPOC area wells GW185S and GW195S. As shown in Figure 19, concentrations of *cis*-1,2-DCE and VC in the CPOC area monitoring wells have been generally stable since compliance monitoring began, aside from the increase in concentrations of *cis*-1,2-DCE and VC observed in the groundwater samples collected from GW185S in the second and third quarters of 2016. COPC area wells GW194S and GW245S are not shown on Figure 19 because COCs are generally not detected in the groundwater samples from these wells. Similarly, the remaining COCs are generally below the CUL in the CPOC area monitoring wells and are not included on Figure 19.

COC concentrations in groundwater from all CPOC area wells are below the applicable MCLs/MTCA criteria for potable water supply.

3.6 AOC-003

This section describes corrective action activities conducted at AOC-003 for the third quarter of 2019. The cleanup remedy for this AOC is bioremediation and MA. Figure 20 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 third quarter.

3.6.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan for this area occurred during the third quarter.



3.6.3 Water levels

Table 13 presents the groundwater elevations measured during the third quarter 2019 monitoring event at AOC-003. Figure 20 shows the groundwater elevations from this event. Groundwater elevation contours are not shown due to the limited number of shallow groundwater monitoring wells. Historic groundwater levels suggest that groundwater generally flows north-northwest toward Lake Washington.

3.6.4 Groundwater monitoring results

Groundwater at this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for primary 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. The data indicate that conditions are generally conducive to biodegradation of the COCs for this AOC.

3.6.4.2 COC results for source and downgradient plume areas

Table 15 lists third quarter 2019 analytical results for the AOC-003 COCs. Trend plots have not been prepared for the AOC-003 source area well, since groundwater analyses for source area well GW249S generally have been below reporting limits. During the third quarter sampling event, VC was detected above the CUL in the groundwater samples from the source area well, GW249S, and the downgradient plume area well, GW188S. Concentrations of all other COCs were below the CUL.

With the exception of VC, COC concentrations in groundwater from all source area and downgradient plume area wells are below the applicable MTCA/MCL criteria for potable water.

3.6.4.3 COC results for conditional point of compliance area

Groundwater collected from the two CPOC monitoring wells did not have detections of PCE, TCE or *cis*-1,2-DCE above their respective CULs. VC was detected at concentrations above the CUL in the groundwater samples collected from both CPOC area wells, as shown in Table 15.

While VC concentrations exceed the CUL in the groundwater from CPOC area wells, as detailed above, COC concentrations are below the applicable MCLs/MTCA criteria for potable water supply in both CPOC area wells, except for VC.

3.7 AOC-004

This section describes corrective action activities conducted at AOC-004. The cleanup remedy for this AOC is bioremediation and MA. Figure 21 shows the layout of the groundwater monitoring and bioremediation injection wells for this AOC.

3.7.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the third quarter.

3.7.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan occurred for this area during the third quarter.



3.7.3 Water levels

Table 16 presents the groundwater elevations measured during the third quarter 2019 monitoring event at AOC-004. Figure 21 shows the groundwater elevations. Because there are only two groundwater elevation monitoring locations for AOC-004, groundwater contours are not shown on Figure 21.

3.7.4 Groundwater monitoring results

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

3.7.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 17. The primary geochemical indicators were generally uniform across the AOC. Geochemical indicators will continue to be monitored to assess attenuation of AOC 004 COCs.

3.7.4.2 COC results for the source area

Table 18 lists third quarter 2019 analytical results for lead, the sole AOC-004 COC. Lead was detected in the groundwater sample from the source area well at a concentration of 0.000714 mg/L, below the CUL of 0.001 mg/L. Trend plots have not been created for the AOC-004 source area well, since COCs have not been detected consistently at concentrations above the CUL since monitoring began in 2015. The lead concentration is also below the applicable MCLs/MTCA criteria for potable water supply in the source area well.

3.7.4.3 COC results for the conditional point of compliance area

As shown in Table 18, lead was detected below the CUL at a concentration of 0.000549 mg/L in the groundwater from CPOC area well GW174S. Lead concentrations are also below the applicable MCLs/MTCA criteria for potable water supply.

3.8 AOC-060

This section describes corrective action activities conducted at AOC-060 during the third quarter of 2019. The cleanup remedy for this AOC is bioremediation and MA. Figure 22 shows the locations of the groundwater monitoring and bioremediation injection wells at AOC-060, as well as the groundwater elevations measured during the third quarter sampling event.

3.8.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the third quarter.

3.8.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan for this area occurred during this quarter.

3.8.3 Water levels

Table 19 presents the groundwater elevations measured during the third quarter 2019 groundwater monitoring event at AOC-060. Figure 22 shows the groundwater elevations measured during this event.



The groundwater flow direction is west toward the Cedar River, and the hydraulic gradient was unable to be accurately determined.

3.8.4 Groundwater monitoring results

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

3.8.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 20. The primary geochemical indicators show generally uniform conditions in source and downgradient plume areas, except for the higher TOC concentration detected in the groundwater from downgradient plume area well GW012S. These data indicate that conditions are generally conducive to biodegradation of the COCs for this AOC.

3.8.4.2 COC results for source and downgradient plume areas

Table 21 presents third quarter 2019 analytical results for the AOC-060 groundwater COCs. Figures 23 and 24 present trend plots for the COCs in selected source area and downgradient plume area wells. Trend charts are not shown for groundwater monitoring wells for which COCs are not commonly detected.

As shown in Table 21 and Figures 23 and 24, concentrations of cis-1,2-DCE exceeded the CUL in groundwater from the source area and downgradient plume area wells; concentrations of TCE exceeded the CUL in downgradient plume area wells GW012S and GW147S; and concentrations of VC exceeded the CUL in the groundwater from the source area well and all downgradient plume area wells except for GW147S. The concentrations of COCs in the groundwater from source area well GW009S and downgradient plume area wells GW012S and GW014S are generally stable (Figures 23 and 24), while the concentrations of COCs in the groundwater from downgradient plume area well GW147S appear to vary seasonally (Figure 24).

While select COCs exceed the CULs in source area and downgradient plume area wells, as described above, with the exception of VC, concentrations of COCs in the groundwater in the source and downgradient plume areas are below the applicable MCL/MTCA criteria for potable water supply.

3.8.4.3 COC results for the conditional point of compliance area

As shown in Table 21, *cis*-1,2-DCE was detected at a concentration above the CUL in the groundwater collected from CPOC area wells GW150S, GW253I, and GW254S, and at concentrations below the CUL in the groundwater CPOC area wells GW149S and GW252S. TCE was detected in the groundwater from CPOC area well GW150S at a concentration above the CUL; TCE concentrations in the remaining CPOC area wells were below the CUL. VC was detected in the groundwater from all of the CPOC area wells except GW150S and GW252S, but the concentrations were below the CUL. Figures 25 and 26 present trends for the COCs in the CPOC area wells. As shown in Figures 25 and 26, the COC concentrations in the groundwater from the CPOC area wells are generally stable, with *cis*-1,2-DCE and TCE the most consistently detected at concentrations above the CUL. VC has not been detected in the groundwater from the CPOC area at concentrations above the CUL since February 2016.

While *cis*-1,2-DCE and TCE concentrations exceed the CUL in the groundwater from select CPOC area wells, as detailed above, COC concentrations are below the applicable MCLs/MTCA criteria for potable water supply in all CPOC area wells.

3.9 AOC-090

This section describes corrective action activities conducted at AOC-090 during the third quarter of 2019. The cleanup remedy for this AOC is bioremediation and MA. Figure 27 shows the locations of the groundwater monitoring wells and the bioremediation injection system at AOC-090, as well as the groundwater elevations measured during the third quarter.

3.9.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the third quarter.

3.9.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan for this area occurred during this quarter.

3.9.3 Water levels

Table 22 presents the groundwater elevations measured during the third quarter 2019 groundwater monitoring event at AOC-090. Figure 27 shows the groundwater elevations measured during this event. Based on these measurements, groundwater flow directions in the vicinity of AOC-090 could not be accurately determined. The cause of variations in the water levels is not known.

3.9.4 Groundwater monitoring results

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

3.9.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 23. The pH was near neutral in all wells. The other geochemical indicators show that conditions are generally uniform in AOC-090 groundwater and in general, primary geochemical indicators show that conditions support biological degradation of chlorinated VOCs.

3.9.4.2 COC Results for source and downgradient plume areas

Table 24 presents third quarter 2019 analytical results for the AOC-090 groundwater COCs. As shown in Table 24, most COC exceedances occur in the source area with cis-1,2-DCE, TCE, VC, TPH-G, and heavy oil range TPH being detected at concentrations above their respective CULs in the groundwater sample collected from GW189S. VC was also detected in the groundwater collected from downgradient plume area well GW176S at a concentration of 0.301 μ g/L, above the CUL. No other COCs were detected at concentrations above the CUL in the groundwater samples collected from downgradient plume area wells.

Figure 28 presents trends for selected COCs in source area well GW189S. As shown in Figure 28; concentrations of *cis*-1,2-DCE, TCE, and VC increased slightly during the third quarter sampling event. COC concentrations in the groundwater sample from this source area well have been declining over the past several years and concentrations during the third quarter are within the ranges observed historically.

While select COCs exceed the CULs in groundwater from source area and downgradient area wells, concentrations of COCs are below the applicable MCLs/MTCA criteria for potable water supply, with the exception of VC.

3.9.4.3 COC Results for conditional point of compliance area

VC was detected at concentrations above the CUL in the shallow zone CPOC area wells GW178S and GW208S. No other COCs in were detected above the CULs in groundwater from either the shallow or intermediate zone CPOC area wells. This is the twelfth consecutive sampling event that neither 1,1,2-trichloroethane, acetone, benzene, carbon tetrachloride, chloroform, *cis*-1,2-DCE, methylene chloride, toluene, trans-1,2-dichloroethene, nor any of the TPH fractions were detected above CULs in any of the CPOC area wells.

As described above, VC concentrations exceed the CUL in the groundwater from two CPOC area wells. The VC concentration in one of these wells (GW178S) also exceeds the applicable MTCA criteria for potable water supply. The concentrations of remaining COCs in the groundwater from CPOC area wells are below applicable MCLs/MTCA criteria for potable water supply.

3.10 **Building 4-70 area**

This section describes corrective action activities conducted at this area during third quarter 2019. The cleanup remedy for the Building 4-70 Area is bioremediation and MA. Figure 29 shows the locations of the groundwater monitoring and bioremediation injection wells for this area.

3.10.1 Cleanup action activities

No installation/construction activities were conducted for this cleanup action area during the third quarter.

3.10.2 Compliance monitoring plan deviations

No deviations from the Compliance Monitoring Plan for this area occurred during this quarter.

3.10.3 Water levels

Table 25 presents the groundwater elevations measured during the third quarter 2019 monitoring event at Building 4-70. Figure 29 shows the groundwater elevations in the two monitoring wells for this area. These groundwater elevation data (only two wells) do not support development of elevation contours. However, the flow direction is expected to be similar to the flow observed at the Building 4 78/79 Area: generally to the west, toward the Cedar River Waterway.

3.10.4 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 26; results for the Building 70 Area COCs are presented in Table 27.

3.10.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 26. The primary geochemical indicators show that reducing conditions were present and that conditions were conducive to biological degradation of the chlorinated VOCs. Geochemical indicators will continue to be monitored following the schedule presented in Table A-2 in Appendix A.

3.10.4.2 COC Results for conditional point of compliance area

Both of the groundwater monitoring wells for the Building 4-70 Area are located along the CPOC (Figure 29). Groundwater monitoring results for the CPOC area wells are shown in Table 27. TCE was



detected in the groundwater from monitoring well GW259S at a concentration of 0.71 μ g/L, above the CUL of 0.54 μ g/L. No other COCs were detected in the groundwater at concentrations above the CUL. Concentrations of all COCs were also below the applicable MCLs/MTCA criteria for potable water supply in all wells.

3.11 Lot 20/former building 10-71 parcel

The Lot 20/Former Building 10-71 Parcel is monitored semiannually in May and November; therefore, no monitoring was conducted for this area during the third quarter of 2019.

3.12 Apron A area

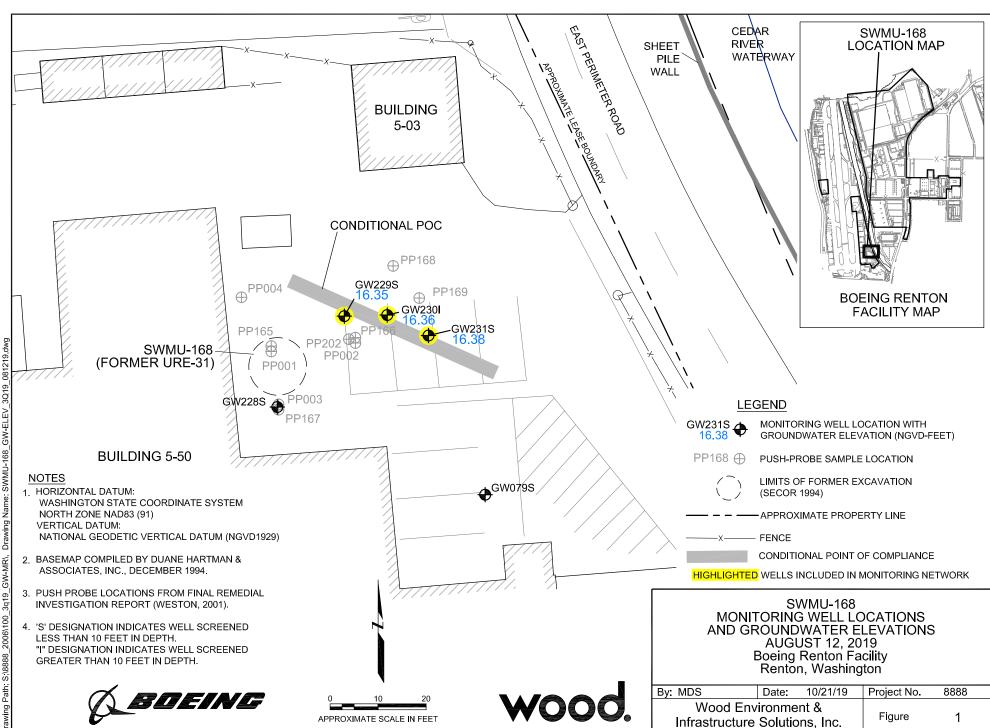
The Apron A Area is monitored semiannually in May and November; therefore, no monitoring was conducted for this area during the third quarter of 2019.

4.0 References

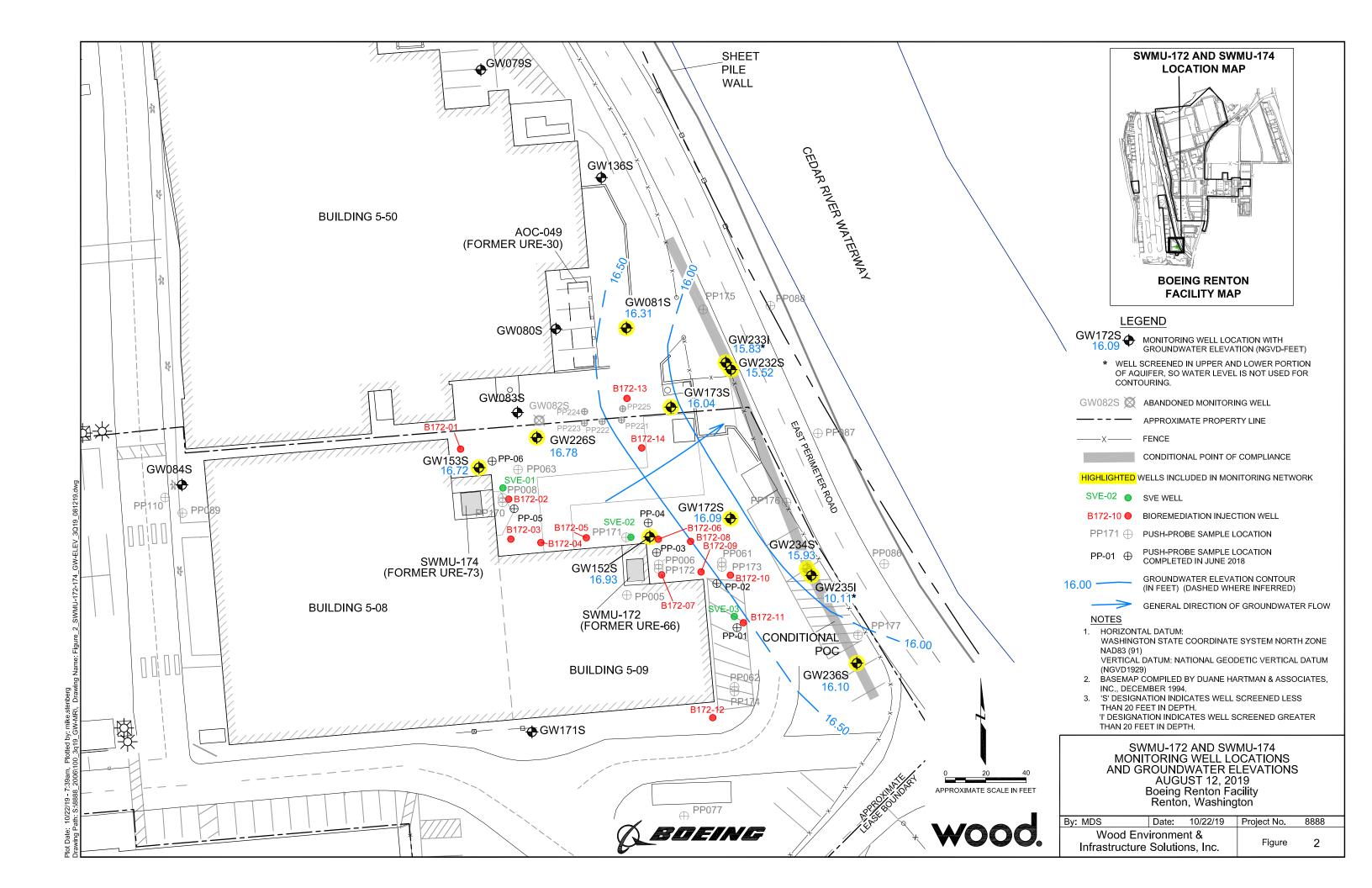
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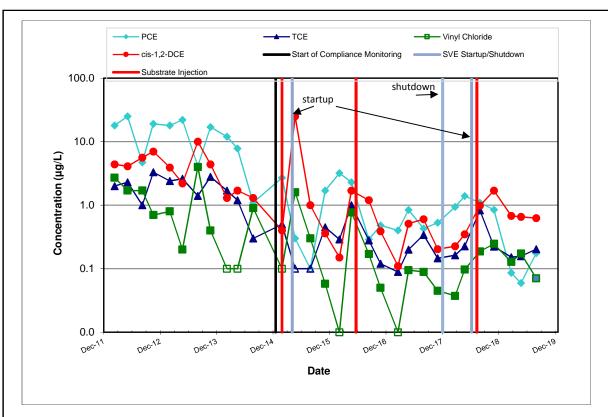
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Figures

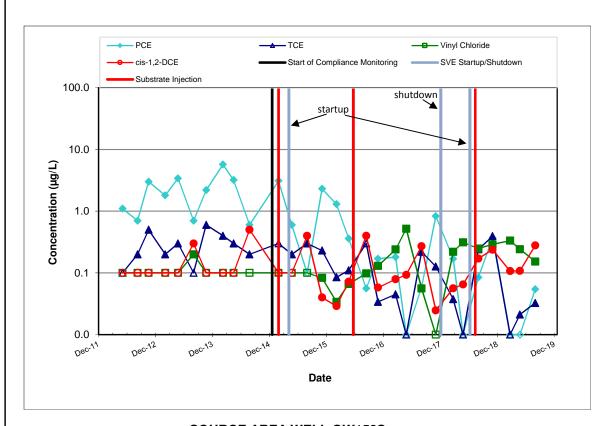


Plot Date: 10/21/19 - 9:38am, Plotted by: mike stenberg





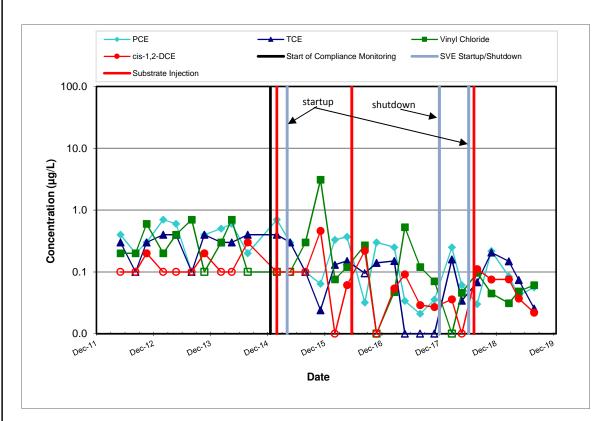
SOURCE AREA WELL GW152S



SOURCE AREA WELL GW153S

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





DOWNGRADIENT PLUME AREA WELL GW173S

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



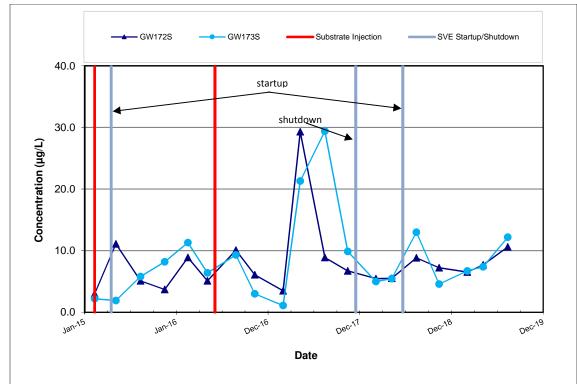
SWMU-172 AND SWMU-174 TREND PLOTS FOR DOWNGRADIENT PLUME AREA WELLS GW172S AND GW173S

Boeing Renton Facility

Renton, Washington

Project No. 8888

Figure



TOTAL ARSENIC IN DOWNGRADIENT PLUME AREA WELLS

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

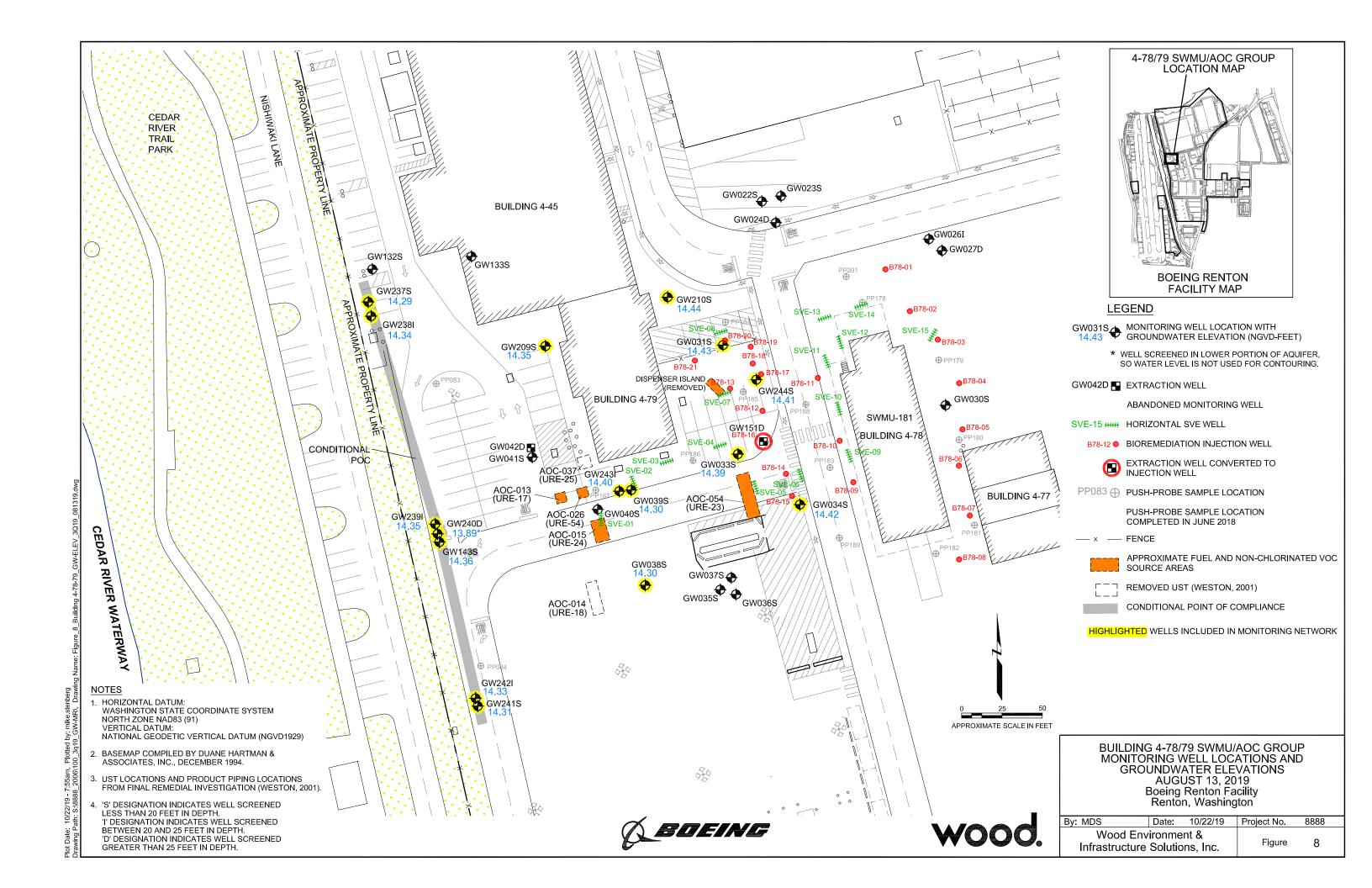


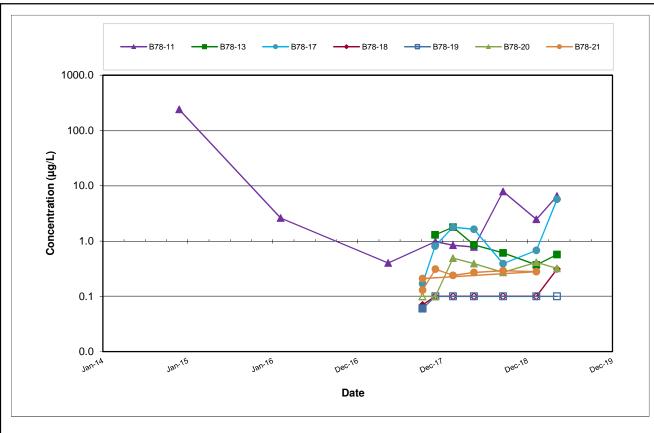
SWMU-172 AND SWMU-174 TREND PLOTS FOR ARSENIC IN SELECT SOURCE AREA AND DOWNGRADIENT PLUME AREA WELLS Boeing Renton Facility Renton, Washington

Project No. 8888

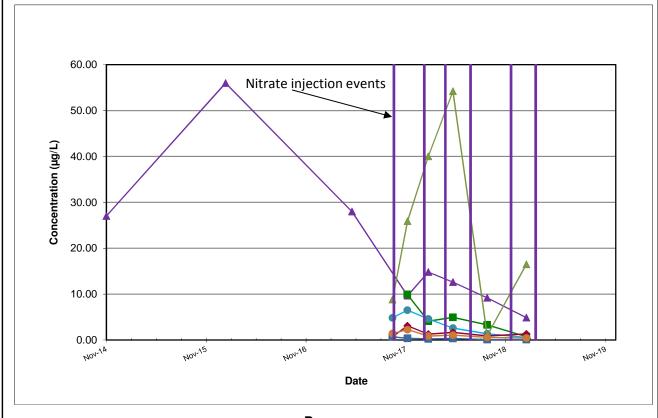
Figure 5

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cis-1,2-Dichloroethene



Benzene

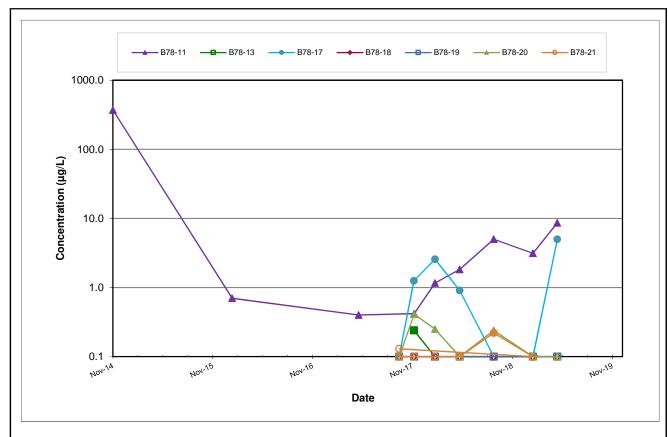
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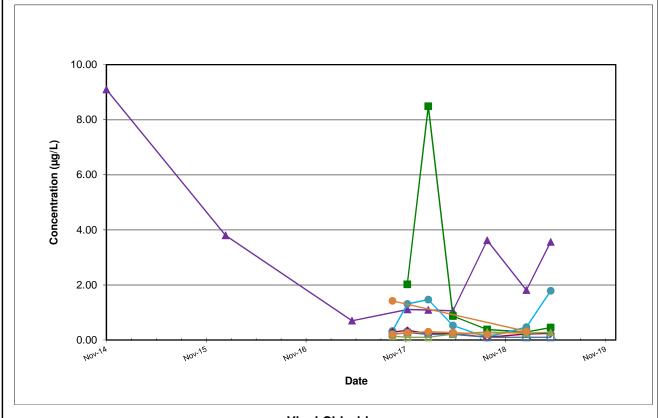
BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR CIS-1,2-DICHLOROETHENE AND BENZENE IN INJECTION WELLS Boeing Renton Facility Renton, Washington

Project No. 8888

Figure 9



Trichloroethene



Vinyl Chloride

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

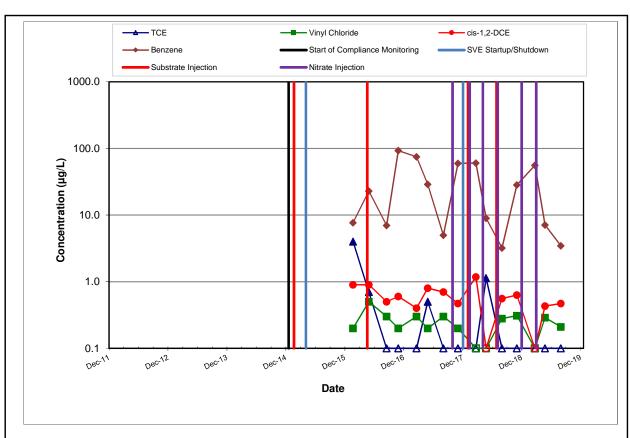
wood.

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

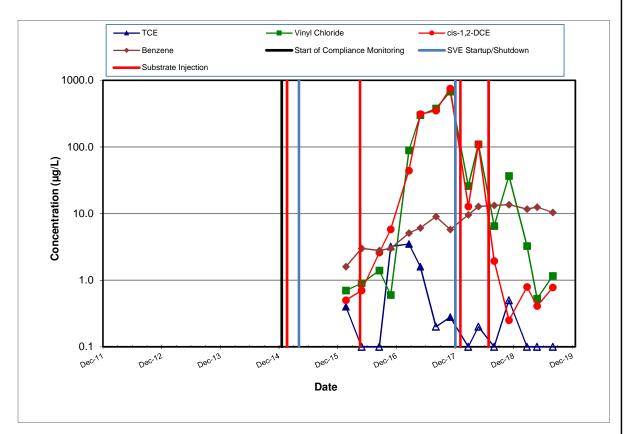
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> Figure 10

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SOURCE AREA WELL GW031S

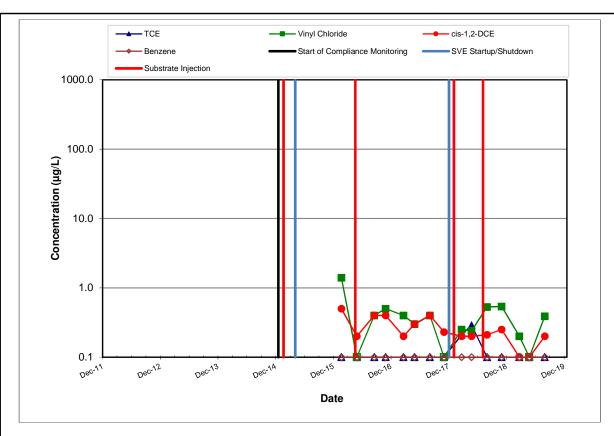


SOURCE AREA WELL GW033S

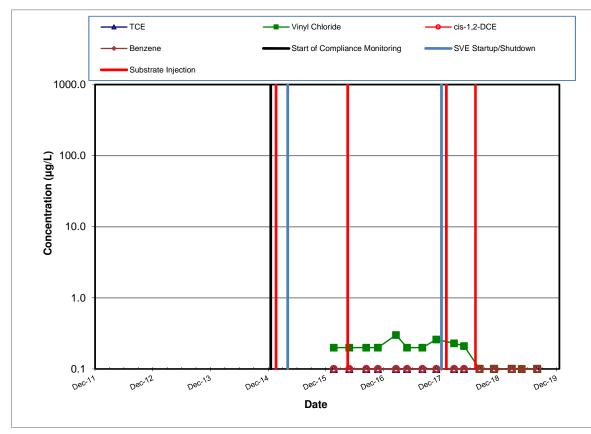
Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



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



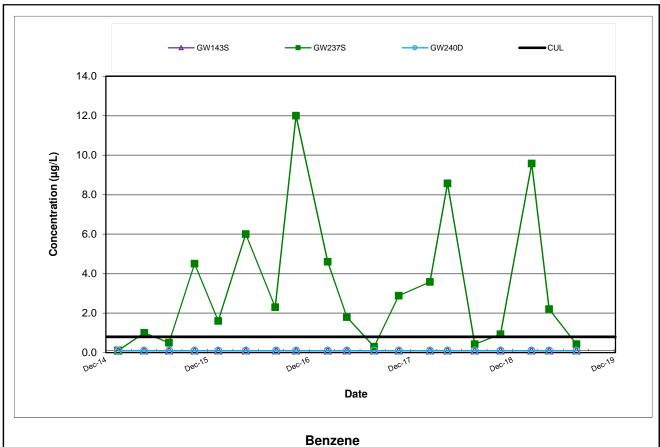
SOURCE AREA WELL GW034S

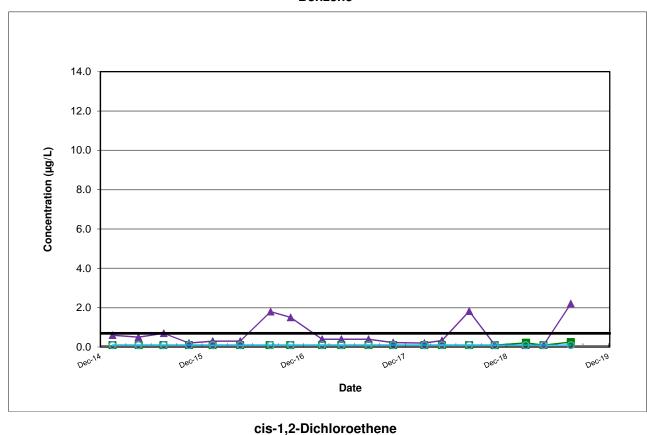


DOWNGRADIENT PLUME AREA WELL GW209S

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





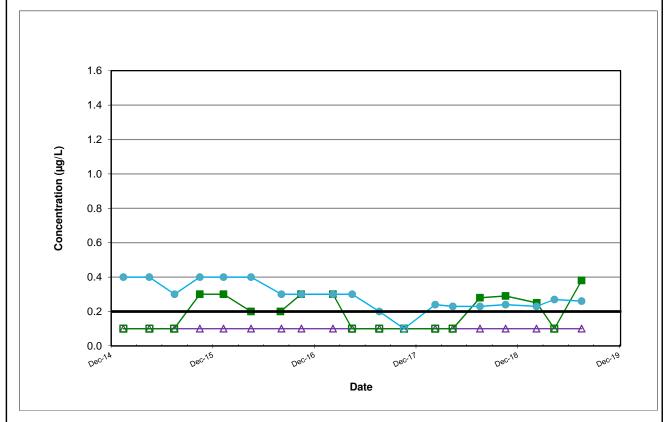


Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

P:\8888 - Boeing Renton\02 Data Management\Grapher and Excel Figure Files\exce\Figures 9 to 15_Bldg 4-78-79 Trend Plots.xlsx

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

Project No. **8888**

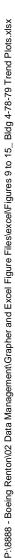


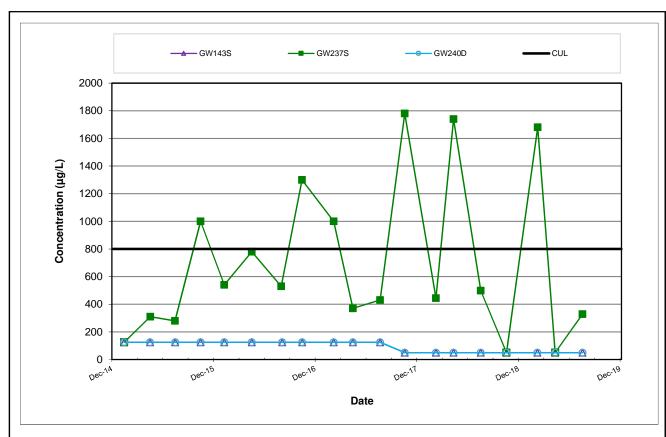
Vinyl Chloride

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

wood.

P:\8888 - Boeing Renton\02 Data Management\Grapher and Excel Figure Files\exce\Figures 9 to 15_ Bldg 4-78-79 Trend Plots.xlsx

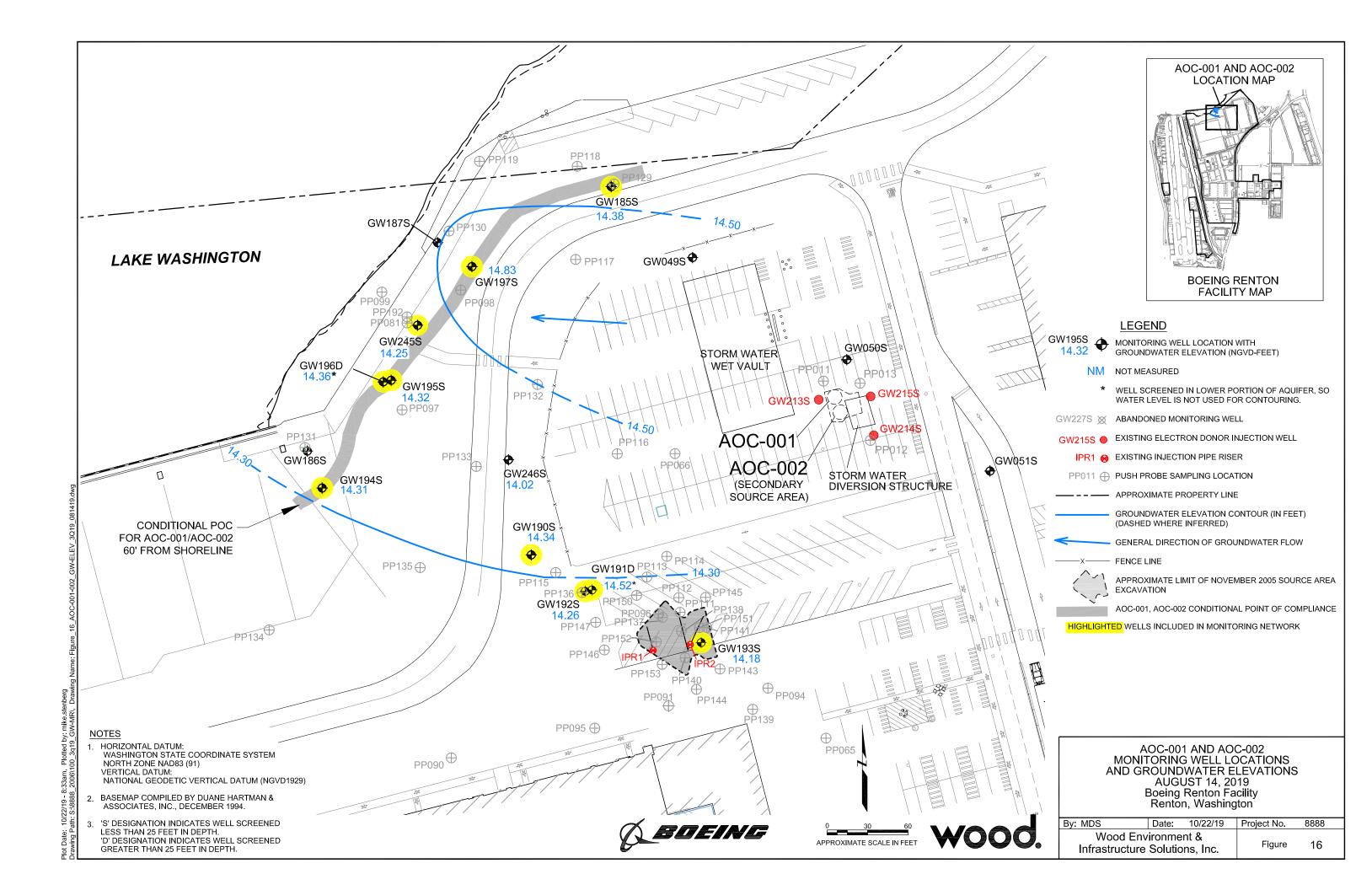


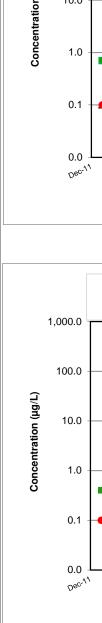


TPH as Gasoline

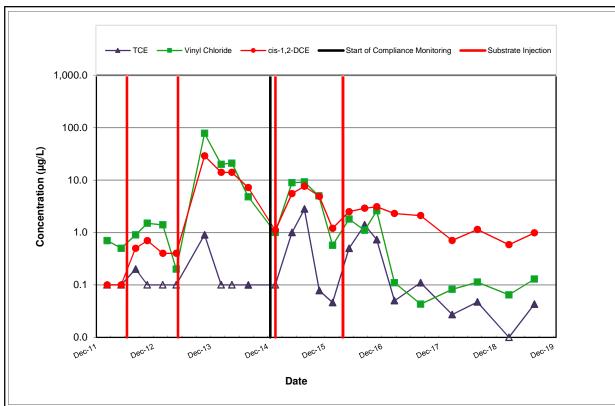
<u>Note</u>: non-detected values shown at one-half the reporting limit and graphed with an open symbol.

wood.

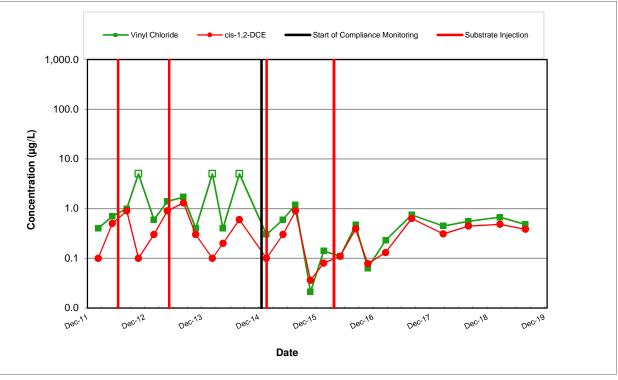




\\sea2-fs1\projects\8888 - Boeing Renton\02 Data Management\Grapher and Excel Figure Files\excel\Figures 17 to 19_AOC 1-2 Trend Plots.xls.xlsx



SOURCE AREA WELL GW193S



DOWNGRADIENT PLUME AREA WELL GW190S

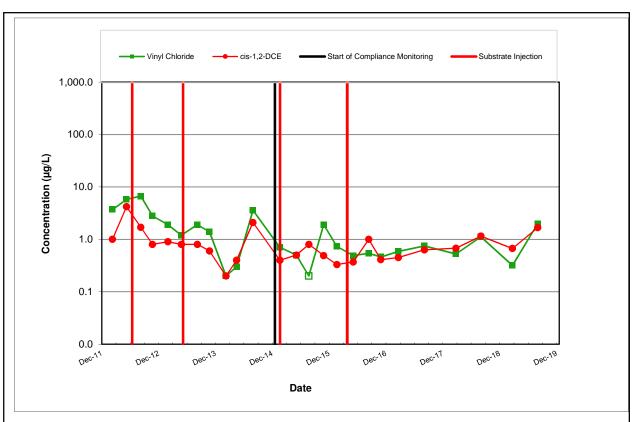
Note: non-detected values shown at one-half the reporting limit and are graphed with an open symbol.



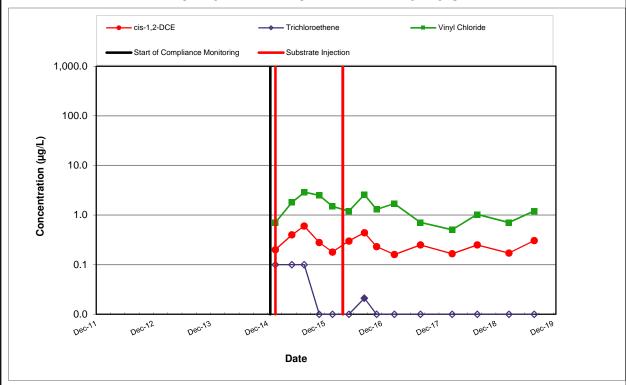
AOC-001 AND 002 TREND PLOTS FOR SOURCE AREA WELL GW193S AND DOWNGRADIENT PLUME AREA WELL GW190S **Boeing Renton Facility** Renton, Washington

Project No. 8888





DOWNGRADIENT PLUME AREA WELL GW192S



DOWNGRADIENT PLUME AREA WELL GW246S

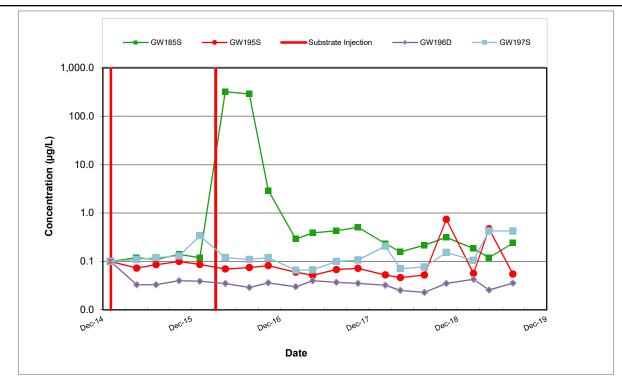
Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



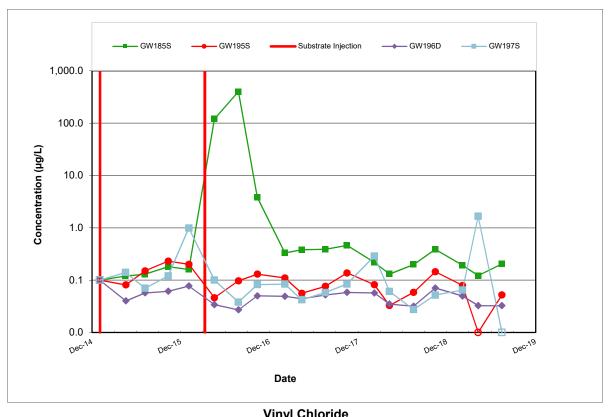
AOC-001 AND 002 TREND PLOTS FOR DOWNGRADIENT PLUME AREA WELLS GW192S AND GW246S Boeing Renton Facility Renton, Washington

Project No. 8888





cis-1,2-Dichloroethene



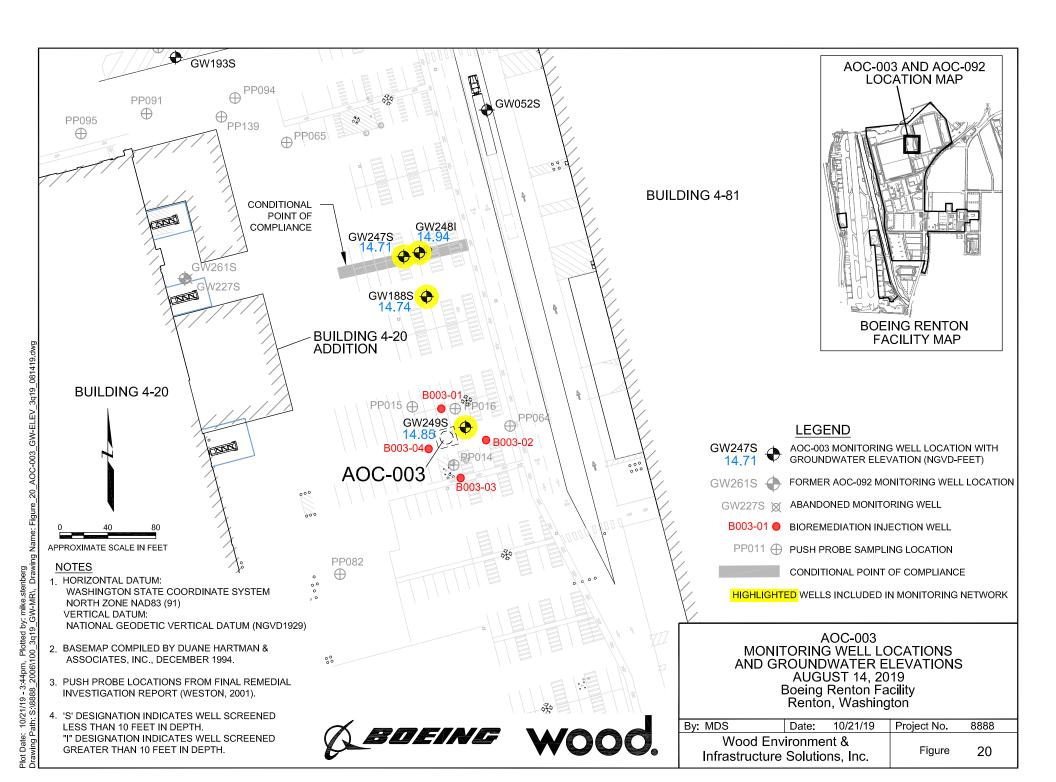
Vinyl Chloride

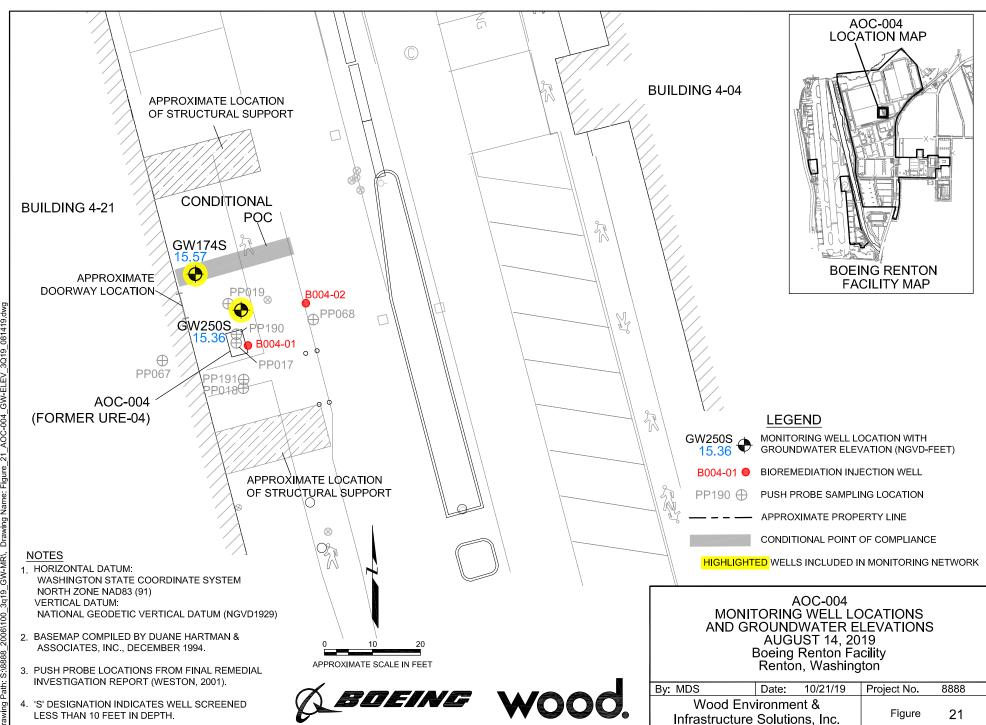
Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol.



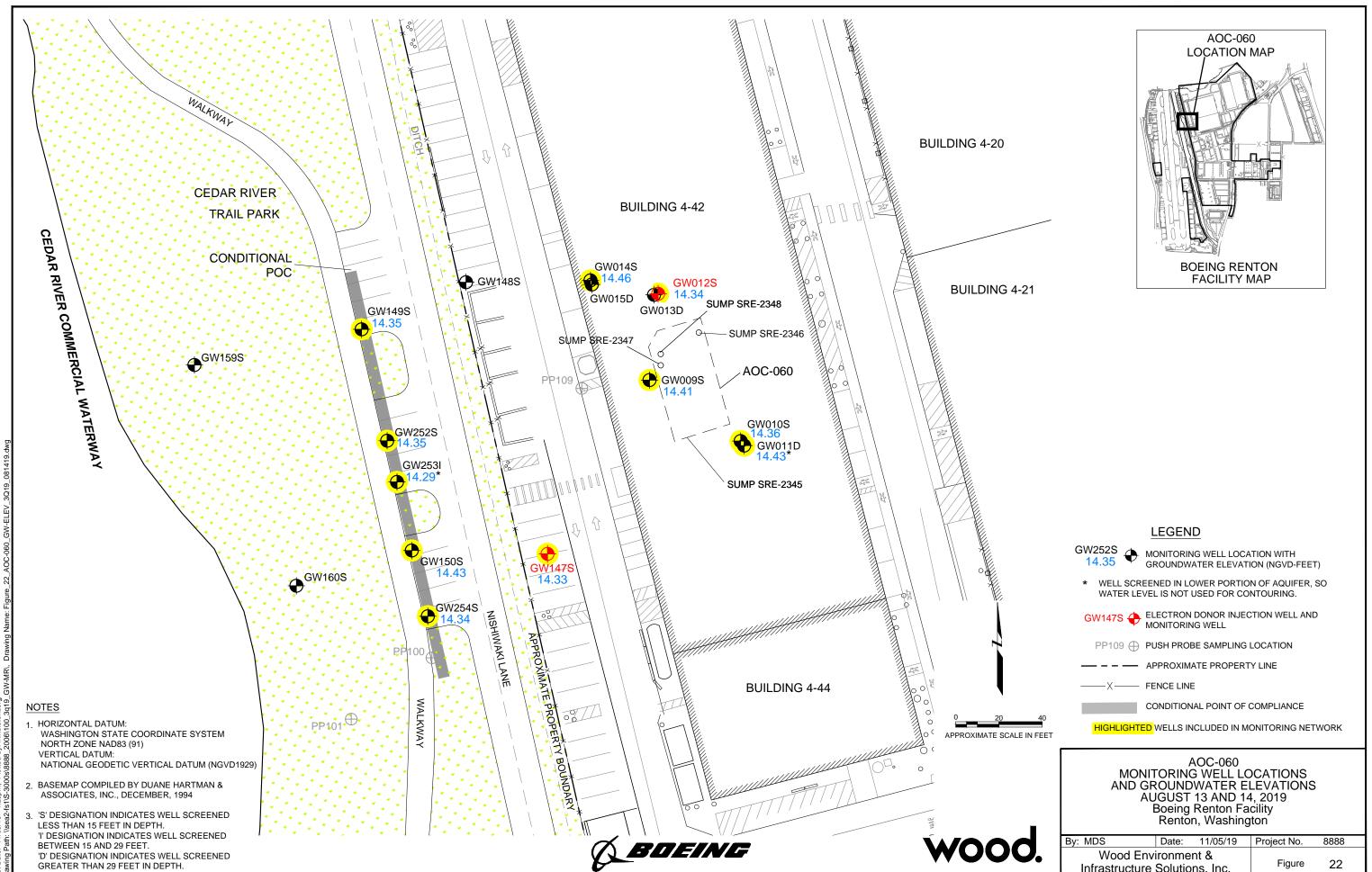
AOC-001 AND 002 TREND PLOTS FOR CIS-1,2-DICHLOROETHENE AND VINYL CHLORIDE IN CPOC AREA WELLS **Boeing Renton Facility** Renton, Washington

Project No. 8888

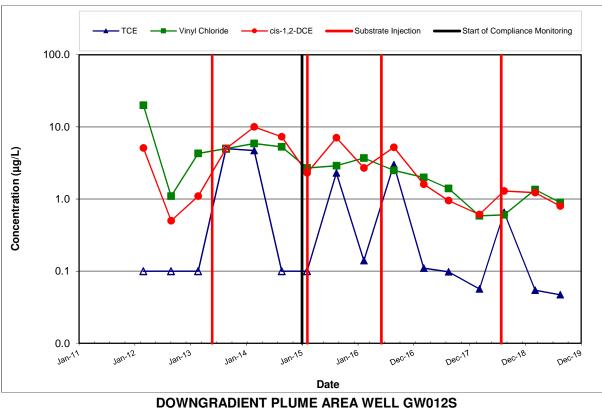




Plot Date: 10/21/19 - 3:59pm, Plotted by: mike.stenberg



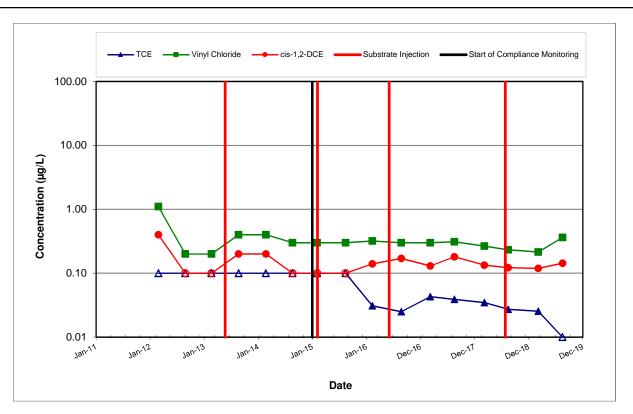
Infrastructure Solutions, Inc.



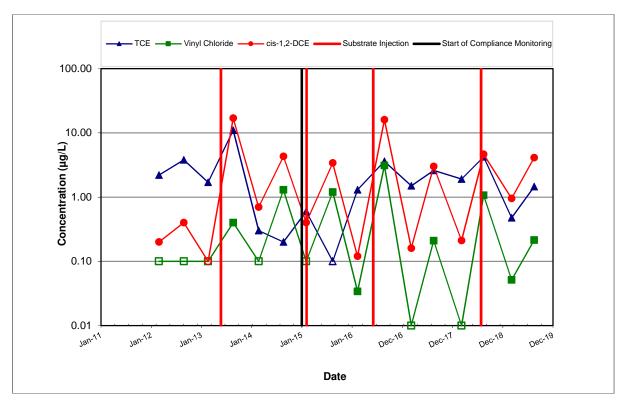
Note: non-detected values shown at one-half the reporting limit and graphed with an open symbol. August 2013 reporting limits elevated.

wood.

AOC-060 TREND PLOTS FOR SOURCE AREA WELL GW009S AND DOWNGRADIENT PLUME AREA WELL GW012S Boeing Renton Facility Renton, Washington Project No. 8888 Figure 23



DOWNGRADIENT PLUME AREA WELL GW014S



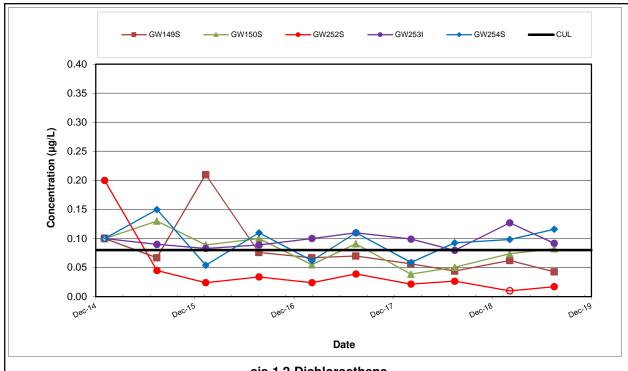
DOWNGRADIENT PLUME AREA WELL GW147S

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

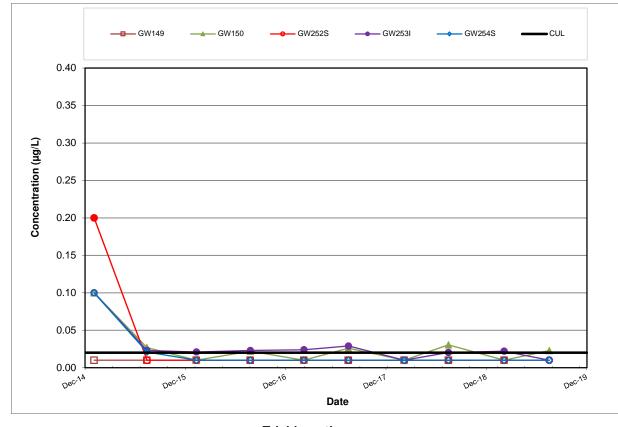


AOC-060 TREND PLOTS FOR DOWNGRADIENT PLUME
AREA WELLS GW014S AND GW147S
Boeing Renton Facility
Renton, Washington

Project No. 8888



cis-1,2-Dichloroethene

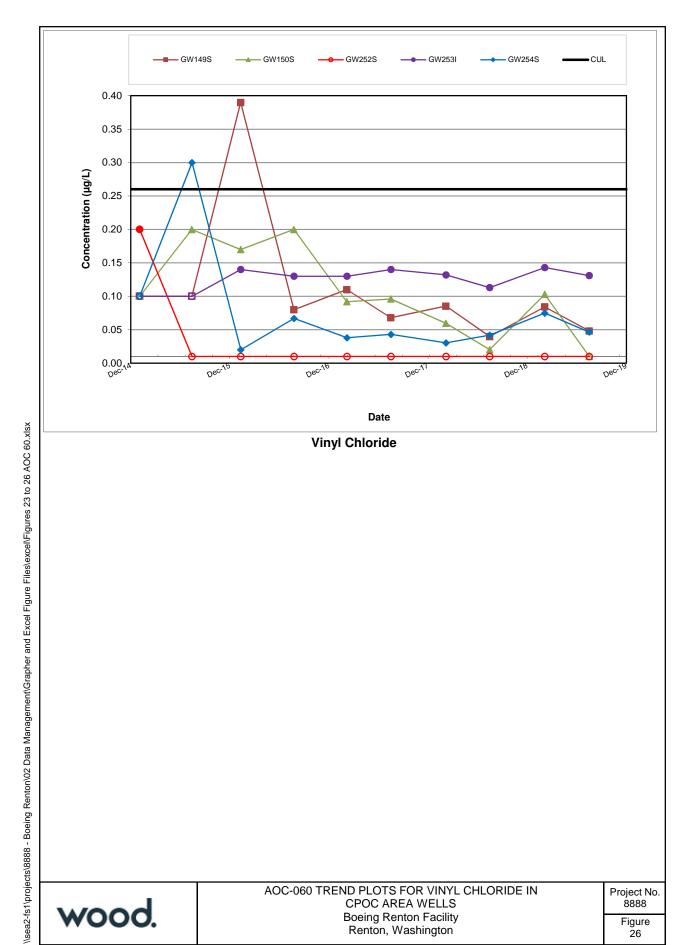


Trichloroethene

wood.

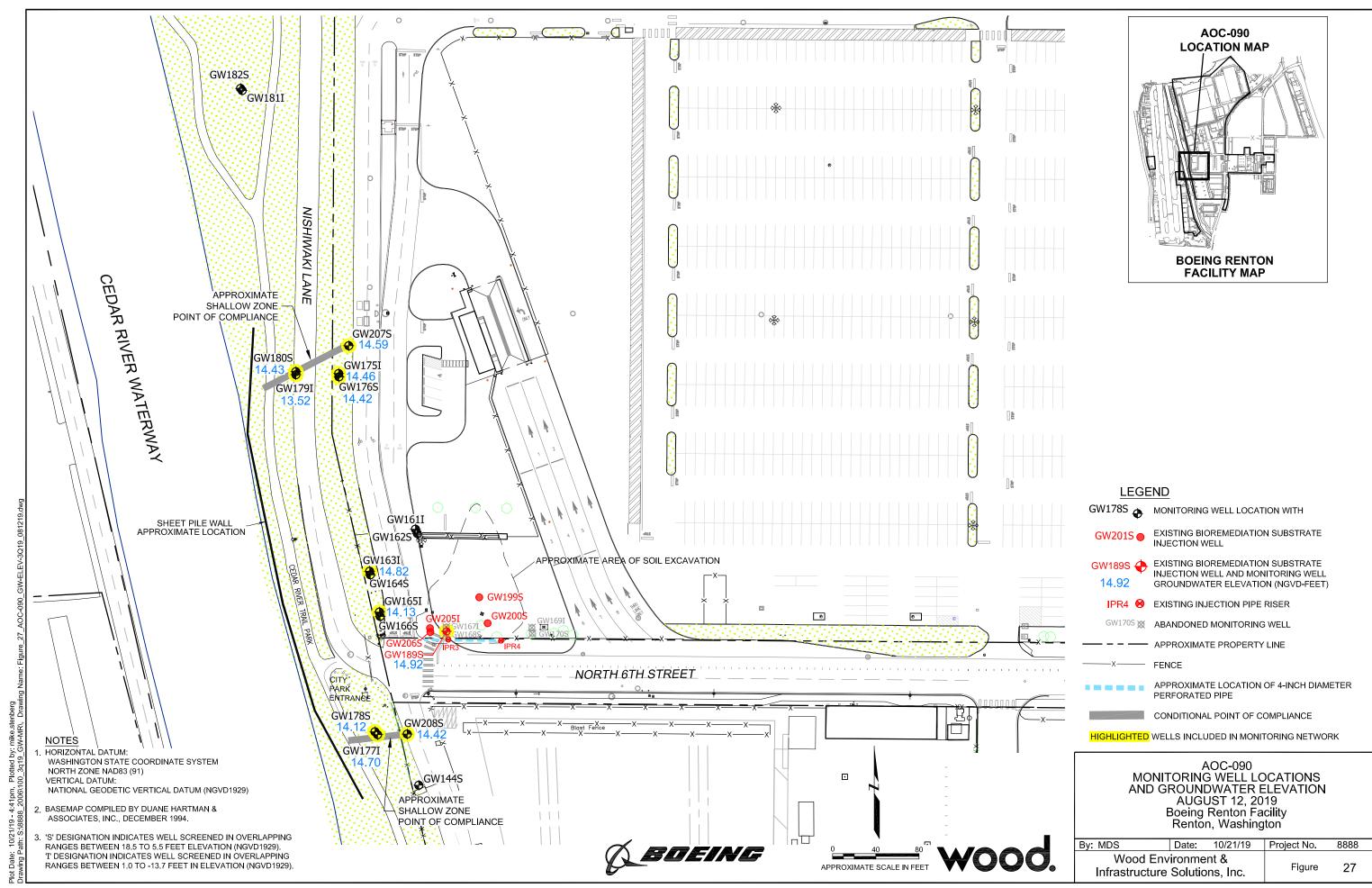
AOC-060 TREND PLOTS FOR CIS-1,2-DICHLOROETHENE AND TRICHLOROETHENE IN CPOC AREA WELLS Boeing Renton Facility Renton, Washington

Project No. 8888



AOC-060 TREND PLOTS FOR VINYL CHLORIDE IN CPOC AREA WELLS Boeing Renton Facility Renton, Washington

Project No. 8888



SOURCE AREA WELL GW189S

Boeing Renton Facility

Renton, Washington

wood.

Vinyl Chloride

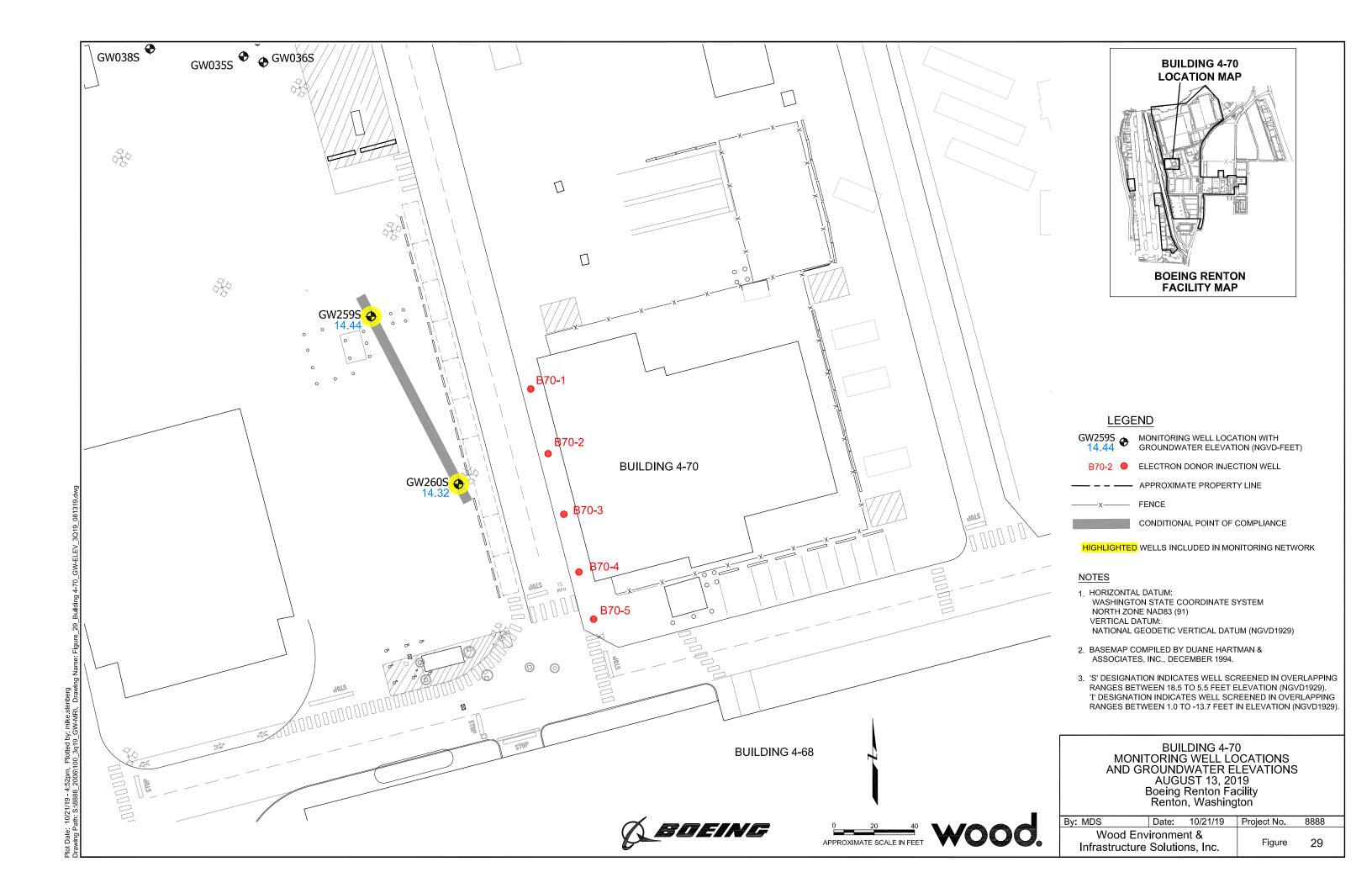
cis-1,2-DCE

Start of Compliance Monitoring

Project No. 8888

Figure

28



wood.

Tables

TABLE 1: SWMU-168 GROUNDWATER ELEVATION DATA August 12, 2019

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
GW229S	5 to 10	25.42	9.07	16.35
GW230I	4 to 14	24.86	8.50	16.36
GW231S	5 to 10	24.65	8.27	16.38

Notes:

- 1. S = shallow well; 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 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ August 12, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ²					
		CPOC Area					
	GW229S	GW230I	GW231S				
Temperature (degrees C)	27.2	24.2	26.1				
Specific Conductivity (µS/cm)	243.3	357.1	291.0				
Dissolved Oxygen (mg/L)	4.76	3.89	1.36				
pH (standard units)	5.96	6.26	6.41				
Oxidation/Reduction Potential (mV)	78.7	-82.9	3.2				

Notes:

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

SWMU = solid waste management unit

TABLE 3: SWMU-168 CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹ August 12, 2019

Boeing Renton Facility, Renton, Washington

	Cleanup		Well ID ² CPOC Area			
	Level ³	GW229S GW230I GW23				
Volatile Organic Compounds (µg/L)						
Vinyl Chloride	0.11	0.020 U	0.336	0.0260		

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:

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 12, 2019

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
GW081S	5 to 20 ²	25.91	9.60	16.31
GW152S	5 to 20 ²	26.98	10.05	16.93
GW153S	5 to 20 ²	27.47	10.75	16.72
GW172S	8 to 18 ²	26.44	10.35	16.09
GW173S	8 to 18 ²	26.51	10.47	16.04
GW226S	5 to 20 ²	26.86	10.08	16.78
GW232S	4 to 14	24.45	8.93	15.52
GW233I	15 to 25	24.35	8.52	15.83
GW234S	3 to 13	24.95	9.02	15.93
GW235I	15 to 25	24.9	14.79	10.11
GW236S	5 to 15	24.36	8.26	16.1

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 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ August 12, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ²										
	Source Area			D	owngradier	nt Plume Ar	ea			CPOC Area		
		GW152S										
	GW152S	(field dup.)	GW153S	GW081S	GW172S	GW173S	GW226S	GW232S	GW233I	GW234S	GW2351	GW236S
Temperature (degrees C)	25.3	25.3	22.2	21.7	25.5	22.1	27.0	19.8	20.4	23.3	22.6	21.2
Specific Conductivity (µS/cm)	181.2	181.2	258.9	262.5	257.3	432.8	341.0	553.0	209.6	273.6	167.1	395.2
Dissolved Oxygen (mg/L)	3.50	3.50	2.12	1.09	2.98	0.61	0.63	11.11	4.81	5.6	1.49	4.62
pH (standard units)	6.06	6.06	6.62	6.58	6.49	6.65	6.72	6.33	6.40	6.26	6.47	6.54
Oxidation/Reduction Potential (mV)	20.8	20.8	-29.2	-19.6	-40.5	-46.1	-52.8	-94.4	-12.2	24.7	-72.2	-41.8
Total Organic Carbon (mg/L)	10.96	10.37	6.27	7.48	6.59	5.92	7.77	7.48	4.10	1.60	1.23	2.19

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:

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

SWMU = solid waste management unit

TABLE 6: SWMU-172 AND SWMU-174 GROUP CONCENTRATIONS OF CONSTITUENTS OF CONCERN^{1,2} August 12, 2019

Boeing Renton Facility, Renton, Washington

			Well ID ³										
			Source Area		١	Downgradier	nt Plume Are	a			CPOC Area		
	Cleanup		GW152S (field										
	Level ⁴	GW152S	dup.)	GW153S	GW081S	GW172S	GW173S	GW226S	GW232S	GW233I	GW234S	GW235I	GW236S
Volatile Organic Compounds (µg/L)													
cis -1,2-Dichloroethene	0.03	0.627	0.563	0.278	0.0282	0.0270	0.0220	0.0259	0.378	0.0697	0.0738	0.0638	0.0468
Tetrachloroethene	0.02	0.176	0.177	0.0544	0.020 U	0.0451	0.0561	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.203	0.147	0.0326	0.020 U	0.020 U	0.0256	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.0705	0.0470	0.153	0.020 U	0.0376	0.0613	0.0290	0.412	0.020 U	0.0252	0.020 U	0.020 U
Total Metals (µg/L)													
Arsenic	1.0	23.4	19.2	4.72	2.49	10.6	12.2	2.85	6.29	0.397	1.31	0.292	3.70
Copper	3.5	21.8	19.2	1.58	1.38	3.86	1.39	0.626	0.878	0.500 U	0.869	0.714	0.893
Lead	1.0	14.8	11.7	0.351	0.116	1.02	0.290	0.100 U	0.102	0.100 U	0.280	0.182	1.53

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

CPOC = conditional point of compliance

field dup. = field duplicate

SWMU = solid waste management unit

TABLE 7: BUILDING 4-78/79 SWMU/AOC GROUP GROUNDWATER ELEVATION DATA August 13, 2019

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	5.01	14.43
GW033S	5 to 25	19.49	5.1	14.39
GW034S	5 to 25	19.65	5.23	14.42
GW038S	5 to 25	19.68	5.38	14.30
GW039S	3.5 to 13.5	19.3	5	14.30
GW143S	10 to 15	19.81	5.45	14.36
GW209S	3.5 to 13.3	19.37	5.02	14.35
GW210S	3.5 to 13.3	19.19	4.75	14.44
GW237S	5 to 15	18.85	4.56	14.29
GW238I	5 to 20	18.94	4.6	14.34
GW239I	15 to 20	19.69	5.34	14.35
GW240D	22 to 27	19.81	5.92	13.89
GW241S	4 to 14	20.28	5.97	14.31
GW242I	15 to 20	20.44	6.11	14.33
GW243I	5 to 20	19.49	5.09	14.40
GW244S	5 to 15	19.53	5.12	14.41

Notes:

- 1. S = shallow well; I = intermediate 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

TALBE 8: BUILDING 4-78/79 SWMU/AOC GROUP CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ August 13, 2019

Boeing Renton Facility, Renton, Washington

				Well ID ²						
	Source Area									
		GW031S								
	GW031S	(field dup.)	GW033S	GW034S	GW039S	GW2431	GW244S			
Temperature (degrees C)	24.4	24.4	27.9	28.9	29.8	21.8	27.3			
Specific Conductivity (µS/cm)	452.3	452.3	475.5	336.4	249.9	342.9	603.0			
Dissolved Oxygen (mg/L)	0.33	0.33	0.27	0.15	0.65	2.91	0.39			
pH (standard units)	6.44	6.44	6.43	6.61	6.10	6.39	6.48			
Oxidation/Reduction Potential (mV)	-50.9	-50.9	-79.1	-85.4	29.3	-133.8	-81.1			
Total Organic Carbon (mg/L)	15.31	15.02	22.79	8.31	5.84	9.79	15.53			

		Well ID ²						
	Downgradient Plume Area							
	GW038S	GW209S	GW210S					
Temperature (degrees C)	22.7	27.3	26.5					
Specific Conductivity (µS/cm)	332.8	429.1	369.0					
Dissolved Oxygen (mg/L)	1.26	1.79	1.06					
pH (standard units)	6.44	6.38	6.71					
Oxidation/Reduction Potential (mV)	-61.7	-71.9	-5.6					
Total Organic Carbon (mg/L)	9.65	9.83	79.1					

		Well ID ²										
		CPOC Area										
	GW143S	GW237S	GW238I	GW239I	GW240D	GW241S	GW242I					
Temperature (degrees C)	26.5	25.4	28.2	25.7	26.4	21.8	24.1					
Specific Conductivity (µS/cm)	300.5	326.6	512.0	416.0	471.4	342.9	405.4					
Dissolved Oxygen (mg/L)	2.65	1.65	2.01	1.89	1.79	2.91	3.02					
pH (standard units)	6.35	6.35	6.46	6.38	6.52	6.39	6.41					
Oxidation/Reduction Potential (mV)	-19.1	-29.6	-103.9	-96.0	-109.2	-133.8	-109.7					
Total Organic Carbon (mg/L)	4.10	8.11	10.04	9.24	5.15	NA	NA					

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; D = deep well.

Abbreviations:

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

 $\mathsf{CPOC} = \mathsf{conditional} \; \mathsf{point} \; \mathsf{of} \; \mathsf{compliance} \qquad \qquad \mathsf{mV} = \mathsf{millivolts}$

degrees C = degrees Celsius SWMU = solid waste management unit

NA = not analyzed

TABLE 9: BUILDING 4-78/79 SWMU/AOC GROUP CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} August 13, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ³ Source Area								
	Cleanup		GW031S							
	Level ⁴	GW031S	(field dup.)	GW033S	GW034S	GW039S	GW243I	GW244S		
Volatile Organic Compounds (µg/L)										
Benzene	0.80	3.47	4.37	10.4	0.20 U	0.20 U	0.20 U	1.77		
cis -1,2-Dichloroethene	0.70	0.47	0.48	0.78	0.20 U	0.20 U	0.20 U	0.37		
Trichloroethene	0.23	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	0.21	0.22	1.16	0.39	0.20 U	0.20 U	0.71		
Total Petroleum Hydrocarbons (µg/L)										
NWTPH-Gx (C7-C12)	800	1,390	1,200	277	100 U	100 U	100 U	100 U		

		Well ID ³								
	Cleanup	Down	gradient Plum	e Area						
	Level 4	GW038S	GW209S	GW210S						
Volatile Organic Compounds (μg/L)										
Benzene	0.80	0.20 U	0.20 U	0.20 U						
cis -1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U						
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U						
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U						
Total Petroleum Hydrocarbons (µg/L)										
NWTPH-Gx (C7-C12)	800	100 U	100 U	100 U						

	Cleanup		Well ID ³ CPOC Area							
	Level ⁴	GW143S	GW237S	GW238I	GW239I	GW240D	GW241S	GW242I		
Volatile Organic Compounds (μg/L)										
Benzene	0.80	0.20 U	0.43	0.20 U						
cis -1,2-Dichloroethene	0.70	2.20	0.25	0.20 U						
Trichloroethene	0.23	1.05	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	0.38	0.20 U	0.20 U	0.26	0.20 U	0.20 U		
Total Petroleum Hydrocarbons (µg/L)										
NWTPH-Gx (C7-C12)	800	100 U	329	100 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; D = deep 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

NWTPH-Gx = total petroleum hydrocarbons in gasoline range

TABLE 10: AOC-001 AND AOC-002 GROUNDWATER ELEVATION DATA August 14, 2019

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
GW185S	4.5 to 14.5	16.27	1.89	14.38
GW190S	3.0 to 13.0	17.3	2.96	14.34
GW191D	26.5 to 36.0	17.53	3.01	14.52
GW192S	5.0 to 9.5	17.54	3.28	14.26
GW193S	3.0 to 12.8	18.67	4.49	14.18
GW194S	7.3 to 12.0	16.79	2.48	14.31
GW195S	7.3 to 12.0	16.34	2.02	14.32
GW196D	26.8 to 36.8	16.46	2.1	14.36
GW197S	7.8 to 12.5	16.52	1.69	14.83
GW245S	3.0 to 13.0	16.08	1.83	14.25
GW246S	4.0 to 14.0	16.53	2.51	14.02

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

TOC = top of casing

TABLE 11: AOC-001 AND AOC-002 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS 1 August 14, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ^{2, 3}										
	Source Area	Source Area Downgradient Plume Area			CPOC Area							
							GW185S					
	GW193S	GW190S	GW191D⁴	GW192S	GW246S	GW185S	(field dup.)	GW194S	GW195S	GW196D ⁵	GW197S	GW245S
Temperature (degrees C)	23.3	24.7	24.4	23.1	25.3	25.1	25.1	27.8	29.5	29.5	26.7	27.3
Specific Conductivity (µS/cm)	1260	791	397.4	438.4	369.2	829	829	1011	999	525	1128	715
Dissolved Oxygen (mg/L)	0.91	0.79	0.83	0.73	0.54	0.34	0.34	0.37	0.25	0.20	0.13	0.20
pH (standard units)	6.39	6.21	6.57	6.09	6.25	6.56	6.56	6.23	6.40	6.39	7.04	6.98
Oxidation/Reduction Potential (mV)	-79.2	-55.5	-105.8	-44.8	-74.5	-120.7	-120.7	-83.1	-118.0	-89.4	-139.3	-91.4
Total Organic Carbon (mg/L)	39.75	8.21	5.57	7.86	4.16	12.55	12.72	19.52	21.11	7.82	13.07	12.26

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.
- 3. Wells GW246S and GW185S through GW197S are associated with the AOC-001 and AOC-002 cleanup action area
- 4. GW191D is installed in a cluster with GW192S, and GW191D is screened below a silt layer at 26.5 to 36 feet in depth
- 5. GW196D is installed in a cluster with GW195S, and GW196D is screened below a silt layer at 26.8 to 36.8 feet in depth

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

TABLE 12: AOC-001 AND AOC-002 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} August 14, 2019

Boeing Renton Facility, Renton, Washington

			Well ID ³										
		Source											
		Area	Downgradient Plume Area			CPOC Area							
	Cleanup							GW185S					
	Level ⁴	GW193S	GW190S	GW191D ⁵	GW192S	GW246S	GW185S	(field dup.)	GW194S	GW195S	GW196D ⁶	GW197S	GW245S
Volatile Organic Compounds	Volatile Organic Compounds (µg/L)												
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	0.020 U	0.020 U	0.020 U	0.020 U
Benzene	0.8	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	0.22	0.20 U
cis -1,2-Dichloroethene	0.02	0.985	0.383	0.0341	1.670	0.305	0.222	0.240	0.020 U	0.0549	0.0356	0.0767	0.0333
Trichloroethene	0.02	0.0430	0.020 U	0.020 U	0.0665	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	0.05	0.129	0.480	0.128	1.980	1.210	0.193	0.203	0.020 U	0.0519	0.0412	0.020 U	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; D = deep well.
- 4. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.
- 5. GW191D is installed in a cluster with GW192S, and GW191D is screened below a silt layer at 26.5 to 36 feet in depth.
- 6. GW196D is installed in a cluster with GW195S, and GW196D is screened below a silt layer at 26.8 to 36.8 feet in depth.

Abbreviations:

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

field dup. = field duplicate

TABLE 13: AOC-003 GROUNDWATER ELEVATION DATA August 14, 2019

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	4.04	14.74
GW247S	4 to 14	18.91	4.2	14.71
GW248I	10 to 20	18.78	3.84	14.94
GW249S	4 to 14	18.85	3.89	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 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ August 14, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ²						
		Downgradient						
	Source Area	Plume Area	СРОС А	rea				
	GW249S	GW188S	GW247S	GW248I				
Temperature (degrees C)	26.4	23.3	25.6	28.1				
Specific Conductivity (µS/cm)	566	541	523	575				
Dissolved Oxygen (mg/L)	0.33	0.50	0.33	0.20				
pH (standard units)	6.41	6.35	6.42	6.36				
Oxidation/Reduction Potential (mV)	-101.1	-69.1	-50.1	-45.9				
Total Organic Carbon (mg/L)	18.84	10.1	10.40	12.29				

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 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, 2} August 14, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ³					
		Source Area	Downgradient				
	Cleanup Source Are		Plume Area	CPOC Area			
	Level ⁴	GW249S	GW188S	GW247S	GW248I		
Volatile Organic Compounds (µg/L)							
cis -1,2-Dichloroethene	0.78	0.0526	0.0361	0.0650	0.020 U		
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U		
Trichloroethene	0.16	0.020 U	0.020 U	0.020 U	0.020 U		
Vinyl Chloride	0.24	0.367	0.545	0.613	0.541		

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

TABLE 16: AOC-004 GROUNDWATER ELEVATION DATA August 14, 2019

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
GW174S	4 to 14	19.56	3.99	15.57
GW250S	4 to 14	19.31	3.95	15.36

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 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ August 14, 2019

Boeing Renton Facility, Renton, Washington

	Well I	D ²			
	Source Area CPOC Are				
	GW250S	GW174S			
Temperature (degrees C)	21.1	21.8			
Specific Conductivity (µS/cm)	142.2	160.8			
Dissolved Oxygen (mg/L)	0.39	0.35			
pH (standard units)	7.00	6.64			
Oxidation/Reduction Potential (mV)	-100.6	-61.4			

Notes:

- 1. Primary geochemical indicators are measured in the field.
- 2. S = shallow 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 18: AOC-004 CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹ August 14, 2019

Boeing Renton Facility, Renton, Washington

		Well ID ²			
		Source Area CPOC Are			
	Cleanup Level ³	GW250S	GW174S		
Metals (mg/L)					
Lead	0.001	0.000714	0.000549		

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

CPOC = conditional point of compliance

mg/L = milligrams per liter

TABLE 19: AOC-060 GROUNDWATER ELEVATION DATA August 13 and 14, 2019

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	4.95	14.41
GW010S	4.5 to 14.5	19.47	5.11	14.36
GW011D	29 to 39	19.49	5.06	14.43
GW012S	4.5 to 14.5	19.11	4.77	14.34
GW014S	4.5 to 14.5	19.24	4.78	14.46
GW147S	5 to 15	18.73	4.4	14.33
GW149S	5 to 15	19.19	4.84	14.35
GW150S	5 to 15	19.1	4.67	14.43
GW252S	4 to 14	19.01	4.66	14.35
GW253I	10 to 20	19.02	4.73	14.29
GW254S	4 to 14	19.16	4.82	14.34

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 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ August 13 and 14, 2019

Boeing Renton Facility, Renton, Washington

					Well ID ²	2				
	Source									
	Area	١	Downgradie	nt Plume Area	CPOC Area					
				GW014S						
	GW009S	GW012S	GW014S	(field dup.)	GW147S	GW149S	GW150S	GW252S	GW253I	GW254S
Temperature (degrees C)	21.0	22.0	21.4	21.4	20.4	19.6	23.5	23.8	20.8	21.7
Specific Conductivity (µS/cm)	406	735	391	391	93	272	398	661	388	608
Dissolved Oxygen (mg/L)	0.21	11.3 ³	6.77	6.77	4.92	2.93	4.93	3.04	3.50	2.67
pH (standard units)	6.35	6.16	6.38	6.38	5.93	6.51	6.45	6.70	6.57	6.69
Oxidation/Reduction Potential (mV)	-37.7	-117.6	-67.8	-67.8	5.9	-69.5	-61.9	-118.2	-96.3	-124.6
Total Organic Carbon (mg/L)	6.88	10.84	4.12	4.08	3.23	4.41	8.07	5.81	4.66	9.49

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.
- 3. Likely an erroneous field reading, as oxygen saturation is approximately 8 mg/L.

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

TABLE 21: AOC-060 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} AUGUST 13 and 14, 2019

Boeing Renton Facility, Renton, Washington

						Well ID	3				
		Source									
		Area		Downgrad	ient Plume Area	1	CPOC Area				
	Cleanup				GW014S						
	Levels ⁴	GW009S	GW012S	GW014S	(field dup.)	GW147S	GW149S	GW150S	GW252S	GW2531	GW254S
Volatile Organic Compound	s (µg/L)										
cis -1,2-Dichloroethene	0.08	0.127	0.798	0.143	0.145	4.11	0.0427	0.0824	0.0342	0.0917	0.116
Trichloroethene	0.02	0.020 U	0.0471	0.020 U	0.020 U	1.46	0.020 U	0.0228	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.26	0.300	0.893	0.365	0.362	0.215	0.0482	0.020 U	0.020 U	0.131	0.0465

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:

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

TABLE 22: AOC-090 GROUNDWATER ELEVATION DATA August 12, 2019

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
GW163I	25 to 35	21.27	6.45	14.82
GW165I	25 to 35	21.14	7.01	14.13
GW175I	21.2 to 26.1	20.57	6.11	14.46
GW176S	10 to 14.3	20.15	5.73	14.42
GW177I	21.7 to 26	22.51	7.81	14.7
GW178S	11.2 to 15.5	22.73	8.61	14.12
GW179I	21.5 to 26	20.47	6.95	13.52
GW180S	10.5 to 15	20.56	6.13	14.43
GW189S	4 to 14	22.01	7.09	14.92
GW207S	7.3 to 12	21.12	6.53	14.59
GW208S	6.3 to 11	22.45	8.03	14.42

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 23: AOC-090 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS August 12, 2019

Boeing Renton Facility, Renton, Washington

						Well ID ²						
	Source Area	Downgradier	nt Plume Area		Shallow Zone CPOC Area				Intermediate Zone CPOC Area			
						GW180s						
	GW189S ³	GW175I	GW176S	GW178S	GW180S	(field dup.)	GW207S	GW208S	GW163I	GW165I	GW177I	GW179I
Temperature (degrees C)	23.6	21.6	19.3	17.4	19.0	19.0	18.6	19.7	19.7	20.8	18.7	18.1
Specific Conductivity (µS/cm)	428.3	533.0	628.0	391.5	305.9	305.9	465.6	472.6	405.7	369.7	556.0	475.4
Dissolved Oxygen (mg/L)	0.28	7.49	7.31	6.57	5.08	5.08	1.19	7.98	3.13	3.42	8.00	7.69
pH (standard units)	6.17	6.33	6.30	6.33	6.37	6.37	6.84	6.31	6.40	6.39	6.31	6.35
Oxidation/Reduction Potential (mV)	-29.1	-92.5	-98.4	-76.6	-54.0	-54.0	-98.9	-100.0	-92.7	-91.2	-98.3	-89.6
Total Organic Carbon (mg/L)	8.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.
- 3. GW189S is the replacement well for GW168S.

Abbreviations:

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

CPOC = conditional point of compliance mV = millivolts degrees C = degrees Celsius NA = not analyzed

TABLE 24: AOC-090 CONCENTRATIONS OF CONSTITUENTS OF CONCERN $^{1,\,2}$ August 13, 2019

Boeing Renton Facility, Renton, Washington

							Well ID ³						
		Source Area	Downgradie	nt Plume Area	Shallow Zone CPOC Area					In	termediate Z	one CPOC A	rea
	Cleanup						GW180S						
	Levels ⁴	GW189S ⁵	GW175I	GW176S	GW178S	GW180S	(field dup.)	GW207S	GW208S	GW163I	GW165I	GW177I	GW179I
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	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
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	0.020 U	0.020 U	0.020 U	0.020 U
Acetone	300	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.8	0.49	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
Carbon Tetrachloride	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
Chloroform	2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	6.87	0.20 U	0.27	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
Methylene Chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	0.05	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
Toluene	75	3.11	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
trans-1,2-Dichloroethene	53.9	0.39	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	0.08	0.414	0.020 U	0.020 U	0.020 U	0.0239	0.0211	0.0305	0.0293	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.13	1.20	0.020 U	0.301	0.384	0.0485	0.0553	0.020 U	0.245	0.020 U	0.020 U	0.0339	0.0368
Total Petroleum Hydrocarbor	ns (µg/L)												
NWTPH-Gx (C7-C12)	800	943	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
DRO (C12-C24)	500	432	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
HRO (C24-C40)	500	853	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 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 = well in intermediate zone.
- 4. Cleanup levels obtained from Table 2 of the Cleanup Action Plan.
- 5. GW189S is the replacement well for GW168S.

Abbreviations:

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

DRO = diesel range organics

HRO = heavy range organics in the motor oil range

NWTPH-Gx = total petroleum hydrocarbons in gasoline range

TABLE 25: BUILDING 4-70 GROUNDWATER ELEVATION DATA August 13, 2019

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
GW259S	5 to 15	19.72	5.28	14.44
GW260S	5 to 15	19.83	5.51	14.32

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 26: BUILDING 4-70 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹

August 13, 2019

Boeing Renton Facility, Renton, Washington

	Well ID ² CPOC Area					
	GW259S	GW260S				
Temperature (degrees C)	24.3	22.4				
Specific Conductivity (µS/cm)	315.2	344.2				
Dissolved Oxygen (mg/L)	1.50	2.96				
pH (standard units)	6.57	6.42				
Oxidation/Reduction Potential (mV)	2.2	-91.8				
Total Organic Carbon (mg/L)	5.12	10.97				

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.

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 27: BUILDING 4-70 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} AUGUST 13, 2019

Boeing Renton Facility, Renton, Washington

		Wel	I ID ³		
		CPOC Area			
	Cleanup Level ⁴	GW259S	GW260S		
Volatile Organic Compounds (µg/L)					
cis-1,2-Dichloroethene	16	0.61	0.20 U		
Trichloroethene	0.54	0.71	0.20 U		
Vinyl Chloride	0.2	0.20 U	0.20 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.
- 4. Cleanup levels obtained from Washington State Department of Ecology email to Boeing on December 30, 2015.

Abbreviations:

 μ g/L = micrograms per liter

CPOC = conditional point of compliance

wood.

Appendix A

TABLE A-1: GROUNDWATER COMPLIANCE MONITORING SCHEDULE

Boeing Renton Facility, Renton, Washington

Cleanup Action	Monitorin	ig Frequency ¹		Groundwate	er Monitoring Wells ²		Additional Water Level			
Area	Quarterly	Semiannual	Cross-Gradient Wells	Source Area Wells	Downgradient Plume Wells	CPOC Wells	Monitoring Wells ³	Constituents of Concern⁴	Analyses ⁵	
SWMU-168		X (1,3)	NA	GW228S ⁷	NA	GW229S, GW230I, and GW231S		VC	SW8260C SIM	
SWMU-172/SWMU-174	x		NA	GW152S and GW153S	GW081S, GW172S, GW173S,	GW232S, GW233I, GW234S,		cis -1,2-DCE, PCE, TCE, VC	SW8260C SIM ⁶	
3WW0-172/3WW0-174	^		IVA	GW 1323 and GW 1333	and GW226S	GW235I, and GW236S		Arsenic, copper, and lead	EPA 6020A	
Building 4-78/79	x		NA	GW031S, GW033S, GW034S,	GW038S, GW209S, and GW210S	GW143S, GW237S, GW238I, GW239I, GW240D, GW241S,		VC, TCE, cis -1,2-DCE, benzene	SW8260C ⁶	
SWMU/AOC Group	^		IVA	GW039S, GW243I, and GW244S	GW0303, GW2093, and GW2103	and GW242I		TPH-gasoline	NWTPH-Gx	
Former Fuel Farm SWMU/AOC Group		X (2,4)	NA	GW255S, GW256S, and GW257S	NA	GW183S, GW184S, GW211S, GW212S, GW221S, GW224S, and GW258S		TPH-jet fuel, TPH-diesel	NWTPH-Dx	
AOC-001/AOC-002	X	X (1,3)	NA	GW193S	GW190S, GW191D, GW192S,	GW185S, GW194S, GW195S,		Benzene	SW8260C ⁶	
AOC-001/AOC-002	(CPOC wells)	(all other wells)	IVA	GW1935	and GW246S	GW196D, GW197S, and GW245S		TCE, cis -1,2-DCE, 1,1-dichloroethene, VC	SW8260C SIM ⁶	
AOC-003	Х	X (1,3)	NA	GW249S	GW188S	GW247S and GW248I		PCE, TCE	SW8260C SIM ⁶	
AOC-003	(CPOC wells)	(all other wells)	IVA	GW2493	GW1003	GW2473 and GW246i		cis -1,2-DCE, VC	SW8260C SIM	
AOC-004		X (1,3)	NA	GW250S	NA	GW174S		Lead	EPA 6020A	
AOC-060		X (1,3)	GW012S and GW014S	GW009S	GW147S	GW149S, GW150S, GW252S,	GW010S and GW011D	VC	SW8260C SIM ⁶	
AOC-000		A (1,3)	GW0123 and GW0143	GW0093	GW1473	GW253I, and GW254S	GW0103 and GW011D	GW0103 and GW011D	TCE, cis -1,2-DCE	SW8260C SIM
								1,1,2-Trichloroethane, acetone, benzene, toluene, carbon tetrachloride, chloroform, <i>cis</i> -1,2-DCE, <i>trans</i> -1,2-DCE, methylene chloride	SW8260C ⁶	
AOC-090		X (1,3)	NA	GW189S	GW175I and GW176S	GW163I, GW165I, GW177I, GW178S, GW179I, GW180S, GW207S, and GW208S		1,1-Dichloroethene, 1,1,2,2-tetrachloroethane, VC, PCE, TCE	SW8260C SIM ⁶	
						·		TPH-gasoline	NWPTH-Gx	
								TPH-diesel, TPH-motor oil	NWTPH-Dx	
Building 4-70 Area		X (1,3)	NA	NA	NA	GW259S and GW260S		TCE, cis -1,2-DCE, VC	SW8260C ⁶	
Lot 20/Former Building 10-71		X (2,4)	NA	10-71-MW1, 10-71-MW2, and 10-71-MW4	NA	NA		Toluene, cis-1,2-DCE, TCE, VC	SW8260C ⁶	
Apron A		X (2,4)	NA	GW262S and GW264S	NA	NA		cis -1,2-DCE and VC	SW8260C ⁶	

Notes:

- 1. The EDR presents the groundwater monitoring frequency for each SWMU/AOC. For sites with semiannual monitoring frequency, specific quarters when monitoring will be conducted is indicated by 1 for quarter 1, 2 for quarter 2, etc.
- 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. 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.
- 7. GW228S will not be monitored on a semiannual basis only the CPOC wells will be monitored on a semiannual basis for SWMU-168.

Abbreviations:

AOC = area of concern cis -1,2-DCE = cis -1,2 dichloroethene COCs = constituents of concern

CPOC = conditional point of compliance

Cr = chromium

EDR = Engineering Design Report EPA = 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

					Primary Geochemical Para		
Cleanup Action			ter Monitoring Wells				g Frequency ³
Area	Cross-Gradient Wells	Source Area Wells	Downgradient Plume Wells	CPOC Wells	Indicators	Quarterly	Semiannual
SWMU-168	NA	GW228S⁴	NA	GW229S, GW230l, and GW231S	Dissolved oxygen, pH, ORP, temperature, specific conductance		X (1,3)
SWMU-172/SWMU-174	NA	GW152S and GW153S	GW081S, GW172S, GW173S, and GW226S	GW232S, GW233I, GW234S, GW235I, and GW236S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC	X	
Building 4-78/79 SWMU/AOC Group	NA	GW031S, GW033S, GW034S, GW039S, GW243I, and GW244S	GW038S, GW209S, and GW210S	GW143S, GW237S, GW238I, GW239I, GW240D, GW241S, and GW242I	Dissolved oxygen, pH, ORP, temperature, specific conductance in all wells, TOC in all wells except GW241S and GW242I	Х	
Former Fuel Farm SWMU/AOC Group	NA	GW255S, GW256S, and GW257S	NA	GW183S, GW184S, GW211S, GW212S, GW221S, GW224S, and GW258S	Dissolved oxygen, pH, ORP, temperature, specific conductance		X (2,4)
AOC-001/AOC-002	NA	GW193S	GW190S, GW191D, GW192S, and GW246S	GW185S, GW194S, GW195S, GW196D, GW197S, and GW245S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC	X (CPOC wells)	X (1,3) (all other wells)
AOC-003	NA	GW249S	GW188S	GW247S and GW248I	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC	X (CPOC wells)	X (1,3) (all other wells)
AOC-004	NA	GW250S	NA	GW174S	Dissolved oxygen, pH, ORP, temperature, specific conductance		X (1,3)
AOC-060	GW012S and GW014S	GW009S	GW147S	GW149S, GW150S, GW252S, GW253I, and GW254S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC		X (1,3)
AOC-090	NA	GW189S	GW175I and GW176S	GW163I, GW165I, GW177I, GW178S, GW179I, GW180S, GW207S, and GW208S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC ⁵		X (1,3)
Building 4-70 Area	NA	NA	NA	GW259S and GW260S	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC		X (1,3)
Lot 20/Former Building 10-71	NA	10-71-MW1, 10-71-MW2, and 10-71-MW4	NA	NA	Dissolved oxygen, pH, ORP, temperature, specific conductance		X (2,4)
Apron A	NA	GW262S and GW264S	NA	NA	Dissolved oxygen, pH, ORP, temperature, specific conductance, TOC		X (2,4)

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.
- 3. The EDR presents the groundwater monitoring frequency for each SWMU/AOC. For sites with semiannual monitoring frequency, specific quarters when monitoring will be conducted is indicated by 1 for quarter 1, 2 for quarter 2, etc.
- 4. Primary geochemical parameters will not be collected at GW228S only at CPOC wells that are sampled semiannually.
- 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

EDR = Engineering Design Report

NA = not applicable

ORP = oxidation reduction potential

SWMU = solid waste management unit

TOC = total organic carbon

wood.

Appendix B



Event	Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Landau Representative DATM SAMPLE PURE LYPE REPATA	Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	920		
MATER_LEVEL/UPL/CEC_DATA Mode of the control o	Sample Nun	mber:	RGW185S-	190814		Weather:	SUNNY, WARN	М		
Dampie D	Landau Rep	resentative:	BXM							
Damping Condition Condit	WATER LEV	/EL/WELL/PI	IRGE DATA							
DTW Before Purging (ft)	Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
Regin Purge: Date/Time:	DTW Before	Purging (ft)	,		-				GW Meter No (s	s HERON-1
Purgle water disposed to:						-		814	-	
Time					_				•	
Time	Turge water c	пэрозей ю.		33 gai Diuii	_	Storage Tank		- Other	SITE TREATME	ENT STSTEM
Purps Goals Stabilization of Parameters for three consecutive readings within the following limits 4/3 % 4/3 % 4/3 % 4/10 % 4/0.1 units 4/10 % 4/0.5 % 6/0.3 % 4/10 %	Time	-			pН		•		_	
SAMPLE COLLECTION DATA Sample Collected With: Sailer Pump/Pump Type BLADDER Stainless Steel PVC Teflon Polyethylene Other Dedicated Dedicated PVC Teflon Polyethylene Other Dedicated Dedicated PVC Teflon Polyethylene Other Dedicated PVC Teflon PVC Teflon PVC Turbidity PVC	Time			, ,	ters for three					Observations
902 2.3.3 8.3.5 0.4.7 6.6.3 -119.4 1.86 905 24.4 8.31 0.3.6 6.5.9 -120.9 1.86 908 24.9 8.31 0.3.5 6.5.8 -121.0 911 25.1 8.29 0.3.4 6.5.6 -120.7 SAMPLE COLLECTION DATA Sample Collected With: Bailer Bailer DumpPrump Type BLADDER Made of: Stainless Steel Decon Procedure: Alconos Wash Tap Rinse DI Water Dedicated Decon Procedure: Alconos Wash Tap Rinse DI Water Dedicated (By Numerical Order) Sample Description (color, turbidity, odor, sheen, etc.): CLEAR, COLORLESS, NONS, SLIGHTLY EFFERVESCENT Replicate Temp Cond. D.O. pH ORP Turbidity DTW Ferrous iron (VTU) (II) Ferrous iron (VTU) (III) Observations 1 25.3 8.30 0.33 6.56 -120.4 2 25.3 8.30 0.33 6.56 -120.4 4 25.3 8.30 0.33 6.56 -120.4 4 25.3 8.30 0.33 6.56 120.4 Average: 25.3 8.30 0.33 6.56 120.4 Average: 25.3 8.30 0.33 6.56 120.4 Average: 25.3 8.30 0.30 0.35 6.56 120.4 Average: 25.3 8.30 0.30 0.30 6.56 120.4 Average: 26.3 8.30 0.30 0.30 6.56 120.4 Average: 26.3 8.30 0.30 0.30 6.56 120.4 Average: 27.5 8.30 0.30 0.30 6.56 120.4 Average: 28.3 8.30 0.30 0.30 6.56 120.4 Average: 29.5 8.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30		+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
905	859	21.9	827	0.71	6.73	-114.6		1.87		
905	902	23.3	835	0.47	6.63	-119 4		1.86		
908		-								-
SAMPLE COLLECTION DATA				-				1.80	-	
Sample Collected With:	908	24.9	831	0.35	6.58	-121.0				
Stainless Steel	911	25.1	829	0.34	6.56	-120.7				
Stainless Steel										
Stainless Steel										
Stainless Steel		-								
Stainless Steel	SAMPLE CO	L FCTION F	DATA							
Made of: Stainless Steel PVC Taffon Polyethylene Other Decicated Decon Procedure: Alconox Wash Tap Rinse DJ Water Dedicated				Bailer		Pump/Pump Type	BLADDER			
Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated	•		. —	_	_		_	Other	Dedicated	
Other								_ outer	Bedreuted	
Sample Description (color, turbidity, odor, sheen, etc.): CLEAR, COLORLESS, NO/NS, SLIGHTLY EFFERVESCENT Replicate Temp			·	sn 📋	1 ap Kinse	☐ DI Water	Dedicated			
Replicate Temp Cond. D.O. pH ORP Turbidity DTW Ferrous iron Comments/Observations	, ,		_							
CFFC (uS/cm) (mg/L) (mV) (NTU) (ft) (Fe II) Observations	Sample Descr	ription (color,	turbiaity, oaor	, sneen, etc.)	CLEAR, CO	LOKLESS, NO/N	S, SLIGHTLY EFF	ERVESCENT		
1	Replicate	-			pН		•			
2 25.3 830 0.33 6.56 -120.4 4 25.3 830 0.32 6.56 -120.4 Average: 25.3 830 0.33 6.56 -120.4 #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	1	, ,	,		6.56		(2,10)	(11)	(1011)	Observations
3		-		-					-	
4 25.3 830 0.32 6.56 -120.4 Average: 25.3 830 0.33 6.56 -120.4 #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 (8270D) (PAH) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR (PH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HC03/CO3) (Cl) (S04) (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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Duplicate Location (DUP3)	2	25.3	830	0.33	6.56					
Average: 25.3 830 0.33 6.56 -120.4 #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	3	25.3	829	0.33	6.56	-120.4				
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 (8270D) (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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Duplicate Location (DUP3)	4	25.3	830	0.32	6.56	-120.4				
5 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) (8270D) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR 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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Duplicate Location (DUP3)	Average:	25.3	830	0.33	6.56	-120.4	#DIV/0!			
5 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA □ OR □ (8270D) (PAH) (NWTPH-D) (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) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) <	OLIA NIZUWY	TVDICALA	NAI VOIC AT	I OWED D	D DOTTE	TVDE (C!1-	anliaghla au	non atamJI	nalvaia bal	
(8270D) (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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Duplicate Location (DUP3)							pplicable or write i	non-standard a		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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene Others Duplicate Sample No(s): Duplicate Location (DUP3)	3	<u> </u>			,		(8141) (Oil & Gr	rease)		
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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene Others Duplicate Sample No(s): Duplicate Location (DUP3)		<u> </u>								OK =
(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) (Sil VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Duplicate Location (DUP3)	1	. , ,	* ' '	, , , ,				31) (301) (110	(1,02)	
(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) (Sil VOC (Boeing short list) Methane Ethane Ethane Acetylene others Duplicate Sample No(s): Duplicate Location (DUP3)		(Total Cyanic	, ,	, ,			,			
VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Duplicate Location (DUP3)		1				(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (I	Ni) (Ag) (Se)	(Tl) (V) (Zn) (H	Ig) (K) (Na)
Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Duplicate Location (DUP3)		(Dissolved M	etals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co)	(Cr) (Cu) (Fe) (P	(b) (Mg) (Mn) (Ni) ((Ag) (Se) (Tl) (V	/) (Zn) (Hg) (K) (Na) (Hardness) (Sil
others Duplicate Sample No(s): Duplicate Location (DUP3)		VOC (Boeir	g short list)							
Duplicate Sample No(s): Duplicate Location (DUP3)		Methane Eth	nane Ethene A	cetylene						
Duplicate Sample No(s): Duplicate Location (DUP3)										
Duplicate Sample No(s): Duplicate Location (DUP3)										
		others								
	Dunlicate Sar	mnle No(s)	Dunlicate Lo	cation (DIJP)	3)					
	•	pic 110(s).	Supricate E0	caron (DOL.						
Signature: BXM Date: 8/14/2019	Signature:	DVA						0.11.4.12.0.1.0		



Project Nan	ne:	Boeing Rent	ton		Project Number	r:	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14/2019@	830		
Sample Nur	mber:	RGWDUP3	190814		Weather:	WARM, SUNNY	·		
Landau Rep	resentative:	BXM							
WATERIES	VEL/WELL/PU	IDCE DATA							
Well Condition				Domogad (N	(O)	Dosoribo			
		Secure (YES)		Damaged (N		Describe:			
DTW Before		1.89	Time:		Flow through ce			GW Meter No.(
Begin Purge:	Date/Time:		856	End Purge:		8/ 14/2019 @	814	Gallons Purged:	<0.5
Purge water of	disposed 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	ls: Stablization		ters for three	consecutive rea	dings within the foll		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
		DHE	or ic	TE 1	O RGV	W185S			
		<u> </u>			<u>U KU </u>	W 1033			
	-							· ——	
SAMPLE CO	DLLECTION D	OATA				<u> </u>		· <u></u>	·
Sample Colle			Bailer		Pump/Pump Type	DI ADDED			
•	cied willi.	. —	_	_		_		_	
Made of:	Ш	Stainless Stee	el 📙	PVC	Teflon	Polyethylene	U Other	Dedicated	
Decon Procee	dure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Ordar)	Other							
		_							
Sample Desc	ription (color,	turbidity, odor,	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	S, SLIGHT EFFER	VESCENT		
Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
	(° F /° C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	(Fe II)	Observations
1	25.3	830	0.33	6.56	-120.4				
2	25.3	830	0.33	6.56	-120.4				
3	25.3	829	0.32	6.56	-120.4				
4	25.3	829	0.32	6.56	-120.4				
Average:	25.3	830	0.33	6.56	-120.4	#DIV/0!			
									-
QUANTITY	TYPICAL A	NALYSIS AL	LOWED PI	ER BOTTLE	TYPE (Circle a	pplicable or write n	on-standard a	nalysis below)	
5	(8260) (801)	0) (8020) (N	WTPH-G)	(NWTPH-Gx) (BTEX)			WA 🗆	OR 🗌
	(8270D) (PA	AH) (NWTPH	I-D) (NWTI	PH-Dx) (TPI	H-HCID) (8081)	(8141) (Oil & Gre	ease)	WA □	OR 🗆
) (HCO3/CO3) (C			-
1		• • • • • • • • • • • • • • • • • • • •			n) (NH3) (NO3		1) (501) (110	33) (1102) (1)	
1	` / `				i) (NH3) (NO3	/NO2)			
	•	le) (WAD Cy		•					
	(Total Metals) (As) (Sb) (I	Ba) (Be) (Ca	a) (Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (N	(Ii) (Ag) (Se)	(Tl) (V) (Zn) (H	Ig) (K) (Na)
	(Dissolved M	etals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co)	(Cr) (Cu) (Fe) (F	^b) (Mg) (Mn) (Ni) (A	Ag) (Se) (Tl) (V	V) (Zn) (Hg) (K) (Na) (Hardness) (Si
	VOC (Boein	g short list)							
	Methane Eth	nane Ethene Ac	etylene						
	Du		.,						
	Ī								
	others								
Duplicate Sar		Duplicate to l	RGW194S						
Duplicate Sar Comments:		Duplicate to I	RGW194S						
_		Duplicate to l	RGW194S			Date:	8/14/2019		



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1331		
Sample Nur	mber:	RGW188S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(0)	Describe:			
DTW Before	Purging (ft)	4.04	Time:	1310	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1300	End Purge:	Date/Time:	8/ 14 /2019 @	1317	Gallons Purged:	0.25
Purge water of	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Tomn	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Dunce	Comments/
Time	Temp (°F/°C)	(uS/cm)	(mg/L)	þп	(mV)	(NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1303	21.9	523	0.41	6.33	-43.7	LOW	4.04		
1306	22.4	530	0.42	6.33	-48.8		4.04		
1309	23.0	535	0.46	6.35	-60.4		4.04		
1312	23.0	537	0.47	6.35	-62.8				
1315		541	0.50	6.35	-69.1				-
			0.30	0.33	-07.1	-			-
	LLECTION D								
Sample Colle	cted With:		Bailer	_		DED BLADDER		_	
Made of:	<u> </u>	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	lure:	Alconox Was	h 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
(D) Trumerree	0.40.,	U Other							
		ш.	, sheen, etc.)	CLEAR CO	LORLESS NO/NS	S			
Sample Desc	ription (color,	turbidity, odor	· · · · · · ·				DTW		
		ш.	D.O. (mg/L)	cLEAR CO	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity			
Sample Description Replicate 1 2	Temp (°F/°C) 23.3 23.3	Cond. (uS/cm) 541 542	D.O. (mg/L) 0.51	pH 6.35 6.35	ORP (mV) -70.3	Turbidity			
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity			
Sample Description Replicate 1 2	Temp (°F/°C) 23.3 23.3	Cond. (uS/cm) 541 542	D.O. (mg/L) 0.51	pH 6.35 6.35	ORP (mV) -70.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.3 23.3 23.3	Cond. (uS/cm) 541 542 542	D.O. (mg/L) 0.51 0.52	pH 6.35 6.35 6.35	ORP (mV) -70.3 -71.3	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3	Cond. (uS/cm) 541 542 542 543	D.O. (mg/L) 0.51 0.52 0.53 0.52	6.35 6.35 6.35 6.35 6.35	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A	Cond. (uS/cm) 541 542 542 543	D.O. (mg/L) 0.51 0.52 0.53 0.52	6.35 6.35 6.35 6.35 6.35	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 23.3 23.3 (8260) (8010	Cond. (uS/cm) 541 542 542 543 542 NALYSIS AL	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PR	6.35 6.35 6.35 6.35 6.35 CER BOTTLE	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 541 542 542 543 542 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PP	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 541 542 543 544 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PF WTPH-G) (NWTH-G) (TSS) (FSS) (FSS) (FSS)	6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (P4 (COD) (TOO (Total Cyanic	Cond. (uS/cm) 541 542 543 542 NALYSIS AL (2) (8020) (N (MH) (NWTPH (activity) (TDS) (Total PO4 (e) (WAD Cy	D.O. (mg/L) 0.51 0.52 0.53 0.52 1.53 0.55 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kielanide) (Freedmide) (Freedmide) (Freedmide)	6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger Cyanide)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2)	non-standard a rease) CI) (SO4) (NO	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 541 542 542 543 542 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (de)	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PF (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Feb.) (Total Kielanide) (Free Ba) (Be) (C.	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M	Cond. (uS/cm) 541 542 543 542 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (0 etals) (As) (Sb) (0	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PF (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Feb.) (Total Kielanide) (Free Ba) (Be) (C.	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 541 542 543 544 NALYSIS AL (0) (8020) (N (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (getals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.52 1.LOWED PH (WTPH-G) (NWTH-G) (TSS) (E-D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 541 542 543 542 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (0 etals) (As) (Sb) (0	D.O. (mg/L) 0.51 0.52 0.53 0.52 1.LOWED PH (WTPH-G) (NWTH-G) (TSS) (E-D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 541 542 543 544 NALYSIS AL (0) (8020) (N (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (getals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.52 1.LOWED PH (WTPH-G) (NWTH-G) (TSS) (E-D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 541 542 543 544 NALYSIS AL (0) (8020) (N (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (getals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.52 1.LOWED PH (WTPH-G) (NWTH-G) (TSS) (E-D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cyanical Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 541 542 542 543 542 NALYSIS AL (0) (8020) (N (MH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy (das) (Sb) (detals) (As) (Sb) (g short list) (anne Ethene Activity) (Anne Ethene Activity)	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PF WTPH-G) (NWTP G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate San	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cyanical Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 541 542 543 544 NALYSIS AL (0) (8020) (N (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (getals) (As) (Sb) (g short list)	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PF WTPH-G) (NWTP G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cyanical Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 541 542 542 543 542 NALYSIS AL (0) (8020) (N (MH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy (das) (Sb) (detals) (As) (Sb) (g short list) (anne Ethene Activity) (Anne Ethene Activity)	D.O. (mg/L) 0.51 0.52 0.53 0.52 LOWED PF WTPH-G) (NWTP G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.35 6.35 6.35 6.35 6.35 6.35 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	ORP (mV) -70.3 -71.3 -72.5 -73.4 -71.9 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	<u>r:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1201		
Sample Nun	nber:	RGW190S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	2.96	Time:	1120	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1130	End Purge:	Date/Time:	8/ 14 /2019 @	1145	Gallons Purged:	0.25
Purge water of	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Т	Cond.	D.O.	pН	ORP	T	DTW	Internal Dunce	Comments/
Time	Temp (°F/°C)	(uS/cm)	(mg/L)	рп	(mV)	Turbidity (NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1133	23.9	739	0.70	6.21	-45.7	LOW	2.96		
1136	24.3	770	0.76	6.21	-50.8		2.96		
1139	24.5	779	0.77	6.21	-52.7		2.96		
1142	24.7	791	0.79	6.21	-55.5				
							-		
							·		
	LLECTION D								
Sample Colle	cted With:	. 4	Bailer	_		DED BLADDER		_	
Made of:	<u> </u>	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
		—							
Sample Descr		—	, sheen, etc.)	SLIGHTLY	YELLOW WITH	ORANGE PARTIO	CULATES NO/N	NS	
	ription (color,	turbidity, odor							Commental
Sample Descri		—	D.O. (mg/L)	SLIGHTLY	YELLOW WITH ORP (mV)	ORANGE PARTION Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.21	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 24.7	Cond. (uS/cm) 793	D.O. (mg/L) 0.87	pH 6.21 6.21	ORP (mV) -55.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 24.7 24.7	Cond. (uS/cm) 793 793 794	D.O. (mg/L) 0.87 0.82	6.21 6.21 6.21	ORP (mV) -55.9 -56.1	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 24.7	Cond. (uS/cm) 793	D.O. (mg/L) 0.87	pH 6.21 6.21	ORP (mV) -55.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 24.7 24.7	Cond. (uS/cm) 793 793 794	D.O. (mg/L) 0.87 0.82	6.21 6.21 6.21	ORP (mV) -55.9 -56.1	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 24.7 24.7 24.7 24.7	Cond. (uS/cm) 793 793 794 796 794	D.O. (mg/L) 0.87 0.82 0.81 0.75	6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 24.7	Cond. (uS/cm) 793 793 794 796 794	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81	6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010	Cond. (uS/cm) 793 794 796 794 NALYSIS AI	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LOWED PP	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 24.7 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI NWTPH-G) H-D) (NWTI S) (TSS) (H 4) (Total Kie	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (Pd (COD) (Tool (Total Cyanic	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (2) (8020) (N (MH) (NWTPH (activity) (TDS) (C) (Total PO2 (e) (WAD Cy	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI NWTPH-G) H-D) (NWTI S) (TSS) (Factorial displayments) (Free variable)	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a	ralysis 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 24.7 (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanical Metals)	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (2) (8020) (N AH) (NWTPH (1ctivity) (TDS) (2) (Total PO4 (be) (WAD Cy (c) (As) (Sb) (D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WTPH-G) (NWTI S) (TSS) (Feed and the control of the contro	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals) (Dissolved M	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TDS (C) (Total POC (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WTPH-G) (NWTI S) (TSS) (Factorial Kiefer (Free Ba) (Be) (C	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TDS (C) (Total POC (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) 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 5	Temp (°F/°C) 24.7 24.7 24.7 24.7 24.7 24.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 793 794 796 794 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.87 0.82 0.81 0.75 0.81 LLOWED PI WYTPH-G) H-D) (NWTI S) (TSS) (E) 4) (Total Kie (ranide) (Free (6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -55.9 -56.1 -56.3 -56.4 -56.2 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) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) 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 □



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Number	<u>r:</u>	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1101		
Sample Nun	nber:	RGW191D-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	3.01	Time:	1020	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1030	End Purge:	Date/Time:	8/ 14 /2019 @	1048	Gallons Purged:	0.25
Purge water of	disposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Т	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Dunce	Comments/
Time	Temp (°F/°C)	(uS/cm)	(mg/L)	þп	(mV)	(NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1033	23.1	380.5	0.59	6.58	-96.0	LOW	3.01		
1036	23.4	384.8	0.87	6.58	-98.7		3.01		
1039	24.4	396.2	0.81	6.57	-105.2		3.01		
1042	24.4	396.4	0.82	6.57	-105.7				
1045		397.4	0.83		-105.8				
1043	24.4	397.4	0.65	0.57	-103.6				
							-	·	
							- <u></u>		
	LLECTION D								
Sample Colle	cted With:	. U	Bailer	_		DED BLADDER		_	
Made of:	<u> </u>	Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
, .	,	<u> </u>							
		_	, sheen, etc.)	SLIGHTLY	GRAY AND TU	RBID NO/NS			
Sample Descri	ription (color,	turbidity, odor	· -				DTW		
	ription (color,	_	D.O.	SLIGHTLY	ORP	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 397.5	D.O. (mg/L)	рН 6.57	ORP (mV)	Turbidity			
Sample Descri	Temp (°F/°C)	Cond. (uS/cm) 397.5	D.O. (mg/L)	pН	ORP (mV) -106.0	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 397.5	D.O. (mg/L)	рН 6.57	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 24.4 24.4	Cond. (uS/cm) 397.5	D.O. (mg/L) 0.84	pH 6.57 6.57	ORP (mV) -106.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 24.4 24.4 24.4	Cond. (uS/cm) 397.5 398.0	D.O. (mg/L) 0.84 0.84	pH 6.57 6.57 6.57	ORP (mV) -106.0 -106.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4	Cond. (uS/cm) 397.5 397.7 398.0 397.8	D.O. (mg/L) 0.84 0.84 0.85 0.84	pH 6.57 6.57 6.57 6.57 6.57	ORP (mV) -106.0 -106.1 -106.3 -106.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 TYPICAL A	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI	D.O. (mg/L) 0.84 0.84 0.85 0.85	6.57 6.57 6.57 6.57 6.57 6.57	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 (8260) (8010	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI	6.57 6.57 6.57 6.57 6.57 6.57 (NWTPH-Gx	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a	Turbidity (NTU) #DIV/0!	non-standard a	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI	6.57 6.57 6.57 6.57 6.57 6.57 6.57 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 (8260) (8010) (8270D) (PA) (pH) (Conductor)	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD:	D.O. (mg/L) 0.84 0.84 0.85 0.84 LLOWED PINTH-G) H-D) (NWTH-S) (TSS) (F	6.57 6.57 6.57 6.57 6.57 6.57 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (P4) (COD) (TOO (Total Cyanic	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TD: (C) (Total PO- (de) (WAD Cy	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (Feb. 1) (Total Kie anide) (Free anide) (Free anide) (Free anide) (Free anide) (Free anide)	pH 6.57 6.57 6.57 6.57 6.57 6.57 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger Cyanide)	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (P4) (pH) (Condu (COD) (Total Cyanical Metals)	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI (0) (8020) (NAH) (NWTPHactivity) (TDS (C) (Total POde) (WAD Cy) (AS) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (S	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (Feed and the control of the control	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals) (Dissolved M	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (fetals) (As) (Sb) (D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (Feed and the control of the control	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 24.4 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO- de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 24.4 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 397.5 397.7 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (fetals) (As) (Sb) (D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 24.4 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO- de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 24.4 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO- de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO- de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO- de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.4 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 397.5 397.7 398.0 398.0 397.8 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO- de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 0.84 0.84 0.85 0.84 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.57 6.57 6.57 6.57 6.57 6.57 6.59 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbiced of Nitrogen et al., 1997) Experimental control of the contr	ORP (mV) -106.0 -106.1 -106.3 -106.5 -106.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity () (Alkalinity) () (NH3) (NO3) ((Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:	_	Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1131		
Sample Nun	nber:	RGW192S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	3.28	Time:	1052	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1100	End Purge:	Date/Time:	8/ 14 /2019 @	1120	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 Durge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	рп	(mV)	(NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1103	22.6	464.5	0.59	6.10	-37.2		3.28		
1106	22.6	459.9	0.62	6.10	-39.1		3.28		
1109	22.8	452.2	0.66	6.10	-41.2		3.28		
1112	23.0	445.2	0.70	6.10	-43.5				
1115	·	442.4	0.74	6.09	-44.0			-	
							· 		
1118	23.1	438.4	0.73	6.09	-44.8				
							· 		
							- <u></u>		
SAMPLE CO									
Sample Colle	cted With:	. —	Bailer			DED BLADDER		_	
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	d Order)	Other							
(D) I till tett	ii Oraci)								
		—	, sheen, etc.):	CLEAR CO	LORLESS NO/N	S			
Sample Descr	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·				DTW	Formove inon	Commental
		—	D.O. (mg/L)	pH	ORP (mV)	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			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 438.5	D.O. (mg/L)	pH 6.09	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.1 23.2	Cond. (uS/cm) 438.5 437.5	D.O. (mg/L) 0.74	pH 6.09 6.09	ORP (mV) -44.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.1 23.2 23.1	Cond. (uS/cm) 438.5 437.5 437.3	D.O. (mg/L) 0.74 0.74	pH 6.09 6.09 6.09	ORP (mV) -44.9 -45.0	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.1 23.2	Cond. (uS/cm) 438.5 437.5	D.O. (mg/L) 0.74	pH 6.09 6.09	ORP (mV) -44.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.1 23.2 23.1	Cond. (uS/cm) 438.5 437.5 437.3	D.O. (mg/L) 0.74 0.74	pH 6.09 6.09 6.09	ORP (mV) -44.9 -45.0	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74	6.09 6.09 6.09 6.09	ORP (mV) -44.9 -45.0 -45.1 -45.0	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LLOWED PI	6.09 6.09 6.09 6.09 6.09	ORP (mV) -44.9 -45.0 -45.1 -45.0	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI	D.O. (mg/L) 0.74 0.74 0.73 0.74 LOWED PI	6.09 6.09 6.09 6.09 6.09 ER BOTTLE	ORP (mV) -44.9 -45.0 -45.1 -45.0 TYPE (Circle a	Turbidity (NTU) #DIV/0!	non-standard a	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.2 23.1 23.1 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PINTPH-G) (NWTPH-G)	6.09 6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx	ORP (mV) -44.9 -45.0 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu	Cond. (uS/cm) 438.5 437.5 437.4 437.7 NALYSIS AI (0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO-	D.O. (mg/L) 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbic dahl Nitroger	ORP (mV) -44.9 -45.0 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOC (Total Cyanid	Cond. (uS/cm) 438.5 437.5 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO- le) (WAD Cy	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTPH-G) H-D) (Total Kie anide) (Free anide) (Free anide) (Free anide)	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger	ORP (mV) -44.9 -45.0 -45.1 -45.0 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a	malysis below) WA WA WA O NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 438.5 437.5 437.3 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPF activity) (TD: c) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LLOWED PI WTPH-G) H-D) (NWTPH-G)	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TDS C) (Total PO- le) (WAD Cy de) (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LLOWED PI WTPH-G) H-D) (NWTPH-G)	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD) (C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH lectivity) (TDS C) (Total PO- le) (WAD Cy de) (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD) (C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD) (C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD) (C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD) (C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.1 23.2 23.1 23.1 23.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 438.5 437.5 437.3 437.4 437.7 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD) (C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.74 0.74 0.73 0.73 0.74 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (C b) (Ba) (Be) (C	6.09 6.09 6.09 6.09 6.09 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -44.9 -45.0 -45.1 -45.0 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 a irease) Cl) (SO4) (NC	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 <u>:</u>	Boeing Ren	ton		Project Numbe	<u>r:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1031		
Sample Nun	mber:	RGW193S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.49	Time:	955	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1000	End Purge:	Date/Time:	8/ 14 /2019 @	1020	Gallons Purged:	0.25
Purge water of	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Durge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	рп	(mV)	(NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1003	22.7	1219	0.55	6.39	-65.5	LOW	4.45		
1006	22.9	1228	0.60	6.39	-67.6		4.45		
1009	23.1	1239	0.76	6.39	-70.9		4.45		
1012	23.2	1251	0.93	6.39	-75.0				
1015		1261	0.93	6.39	-78.7				
	-								_
1018	23.3	1260	0.91	6.39	-79.2				
	LLECTION D								
Sample Colle	cted With:	. 4	Bailer	_	Pump/Pump Type	DED BLADDER		_	
Made of:	<u> </u>	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
· •	0.40.,								
Sample Descr			, sheen, etc.)	CLEAR CO	LORLESS NO/NS	S			
	ription (color,	turbidity, odor	· · · · · · ·				DTW		
Sample Descri	ription (color,	turbidity, odor	D.O.	cLEAR CO	ORP	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
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)	D.O. (mg/L)	рН 6.39	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)	D.O. (mg/L)	рН 6.39	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.3 23.3	Cond. (uS/cm) 1261	D.O. (mg/L) 0.90	pH 6.39 6.39	ORP (mV) -79.5	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.3 23.3 23.3	Cond. (uS/cm) 1261 1261	D.O. (mg/L) 0.90 0.90	pH 6.39 6.39 6.39	ORP (mV) -79.5 -79.8 -80.0	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3	Cond. (uS/cm) 1261 1261 1262 1261	D.O. (mg/L) 0.90 0.90 0.90 0.89 0.90	6.39 6.39 6.39 6.39 6.39	ORP (mV) -79.5 -79.8 -80.0 -80.3 -79.9	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A	Cond. (uS/cm) 1261 1261 1262 1261	D.O. (mg/L) 0.90 0.90 0.90 0.89 0.90	6.39 6.39 6.39 6.39 6.39	ORP (mV) -79.5 -79.8 -80.0 -80.3 -79.9 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 23.3 23.3 (8260) (8010	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 0.90 0.90 0.90 0.89 0.90 LOWED PH	6.39 6.39 6.39 6.39 6.39 ER BOTTLE	ORP (mV) -79.5 -79.8 -80.0 -80.3 -79.9 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AI () (8020) (NAH) (NWTPE	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PF	6.39 6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx	ORP (mV) -79.5 -79.8 -80.0 -80.3 -79.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8016) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PF WTPH-G) (NWTH-S) (TSS) (F	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-Dx) (TPH-DX) (TPH-DX)	ORP (mV) -79.5 -79.8 -80.0 -80.3 -79.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (P4 (COD) (TOO (Total Cyanic	Cond. (uS/cm) 1261 1261 1262 1261 NALYSIS AI (2) (8020) (N AH) (NWTPF (1001) (TDS) (2) (Total PO4 (e) (WAD Cy	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PERMITH-G) (MTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kielanide) (Freedamide) (Freedamide) (Freedamide) (Freedamide)	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger	ORP (mV) -79.5 -80.0 -80.3 -79.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA O WA O NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AI (0) (8020) (N AH) (NWTPH (1ctivity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PF WTPH-G) (NWTP S) (TSS) (F t) (Total Kielanide) (Free Ba) (Be) (Calculus (Calc	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AI () (8020) (N AH) (NWTPE () (Total PO4 () (WAD Cy () (As) (Sb) ((cetals) (As) ((cetals) (As) ((cetals) (As) ((cetals) (Cetals) (As) ((cetals) (Cetals) (cetals) ((cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) (cetals) (cetals) ((cetals) (cetals) (c	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PF WTPH-G) (NWTP S) (TSS) (F t) (Total Kielanide) (Free Ba) (Be) (Calculus (Calc	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL () (8020) (N AH) (NWTPHetrivity) (TDS () (Total PO4 (e) (WAD Cy (e) (As) (Sb) (e) (g short list)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AI () (8020) (N AH) (NWTPE () (Total PO4 () (WAD Cy () (As) (Sb) ((cetals) (As) ((cetals) (As) ((cetals) (As) ((cetals) (Cetals) (As) ((cetals) (Cetals) (cetals) ((cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) (cetals) ((cetals) (cetals) (cetals) (cetals) (cetals) ((cetals) (cetals) (c	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL () (8020) (N AH) (NWTPHetrivity) (TDS () (Total PO4 (e) (WAD Cy (e) (As) (Sb) (e) (g short list)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL () (8020) (N AH) (NWTPHetrivity) (TDS () (Total PO4 (e) (WAD Cy (e) (As) (Sb) (e) (g short list)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL () (8020) (N AH) (NWTPHetrivity) (TDS () (Total PO4 (e) (WAD Cy (e) (As) (Sb) (e) (g short list)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cyanical Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL () (8020) (N AH) (NWTPHetrivity) (TDS () (Total PO4 (e) (WAD Cy (e) (As) (Sb) (e) (g short list)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 5	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cyanical Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1261 1261 1261 1262 1261 NALYSIS AL () (8020) (N AH) (NWTPHetrivity) (TDS () (Total PO4 (e) (WAD Cy (e) (As) (Sb) (e) (g short list)	D.O. (mg/L) 0.90 0.90 0.89 0.90 LOWED PH WTPH-G) (NWTH S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodal Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -79.5 -80.0 -80.3 -79.9 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) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) Cl) (SO4) (NC	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 □



Project Name	e:	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1335		
Sample Num	ber:	RGW194S-	190814		Weather:	SUNNY, HOT			
Landau Repr	esentative:	BXM							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	n:	Secure (YES)	١	Damaged (N	O)	Describe:			
DTW Before F	Purging (ft)	2.48	Time:	1306	Flow through cel	ll vol.		GW Meter No.(s	HERON-1
Begin Purge:	0 0 ,			End Purge:	-	8/ 14 /2019 @	1333	Gallons Purged:	
Purge water di			55-gal Drum	Ē	Storage Tank	Ground		SITE TREATME	
	•					_			
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 fo	. , ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1312	23.9	856	0.17	6.22	-40.1		2.43		
1315	25.1	886	0.27	6.21	-56.8		2.43		
1318	26.0	930	0.35	6.21	-64.6		2.43		
						-	2.73		
1321	26.7	964	0.36	6.22	-72.2				
1324	27.2	990	0.37	6.22	-78.2				
1327	27.6	1002	0.37	6.23	-80.8				
1330	27.8	1011	0.37	6.23	-83.1				
-									
SAMPLE COI	LI ECTION D	ATA							
Sample Collec		Ē	Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
			_		_		other	Dedicated	
Decon Procedi	_	Alconox Was	n U	Tap Rinse	DI Water	Dedicated			
(By Numerical		Other							
Sample Descri	iption (color, t	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, SOME DARK F	INES, SLIGHT	EFFERVESCENT	ľ
Replicate	Т								
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
	(°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
1	-			рН 6.23					
1 2	(°F/°C)	(uS/cm)	(mg/L)		(mV)				
2	(°F/°C) 27.8 27.9	(uS/cm) 1012 1013	(mg/L) 0.38 0.38	6.23	-83.4 -83.7				
2 3	(°F/°C) 27.8 27.9 28.0	(uS/cm) 1012 1013 1014	0.38 0.38 0.38	6.23 6.23 6.23	-83.4 -83.7 -84.1				
2	(°F/°C) 27.8 27.9	(uS/cm) 1012 1013	(mg/L) 0.38 0.38	6.23	(mV) -83.4 -83.7 -84.1 -84.4				
2 3	(°F/°C) 27.8 27.9 28.0	(uS/cm) 1012 1013 1014	0.38 0.38 0.38	6.23 6.23 6.23	-83.4 -83.7 -84.1				
2 3 4 Average:	(°F/°C) 27.8 27.9 28.0 28.0 27.9	(uS/cm) 1012 1013 1014 1015 1014	0.38 0.38 0.38 0.39 0.39	6.23 6.23 6.23 6.23 6.23	(mV) -83.4 -83.7 -84.1 -84.4 -83.9	(NTU)	(ft)	(Fe II)	
2 3 4 Average:	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A	(uS/cm) 1012 1013 1014 1015 1014	0.38 0.38 0.38 0.39 0.39	6.23 6.23 6.23 6.23 6.23	-83.4 -83.7 -84.1 -84.4 -83.9	(NTU) #DIV/0!	(ft)	(Fe II)	
2 3 4 Average:	(°F/°C) 27.8 27.9 28.0 27.9 27.9 28.0 27.9 TYPICAL AX (8260) (8010)	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL 0) (8020) (N	0.38 0.38 0.38 0.39 0.38 LOWED PF	6.23 6.23 6.23 6.23 6.23 CR BOTTLE	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle approximately (BTEX)	(NTU) #DIV/0!	(ft)	(Fe II)	Observations
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 27.9 27.9 28.0 27.9 TYPICAL AT (8260) (8010 (8270D) (PA	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL 0) (8020) (N AH) (NWTPH	0.38 0.38 0.38 0.39 0.38 UVED PF	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPI	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL AT (8260) (8010 (8270D) (PA (pH) (Condu	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	0.38 0.38 0.39 0.38 LOWED PE WTPH-G) (NWTF G) (TSS) (E	6.23 6.23 6.23 6.23 6.23 6.23 CR BOTTLE (NWTPH-Gx) (TPH-Dx) (TPH-Dx) (TPH-Dx) (TPH-Dx)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	0.38 0.38 0.39 0.38 LOWED PF WTPH-G) (NWTF G) (TSS) (E	6.23 6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (D) (8020) (N AH) (NWTPH (nctivity) (TDS (C) (Total PO4 (e) (WAD Cy	0.38 0.38 0.39 0.38 LOWED PE WTPH-G) (NWTP G) (TSS) (E C) (Total Kie anide) (Free	6.23 6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbit dahl Nitrogen Cyanide)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a rease) Cl) (SO4) (NO	malysis below) WA WA WA ONE OF THE	Observations OR OR OR OR OR OR OR OR OR OR
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL AT (8260) (8010 (8270D) (PA (COD) (TOO (TOtal Cyanid (Total Metals))	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (0) (8020) (N AH) (NWTPH (1ctivity) (TDS (1) (Total PO4 (1) (WAD Cy (1) (As) (Sb) (1)	0.38 0.38 0.39 0.38 LOWED PF WTPH-G) (NWTF G) (TSS) (E C) (Total Kie anide) (Free Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR OR OR OR OR OR OR OR OR OR
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL AT (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid) (Total Metals)	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (i) (8020) (N (iii) (NWTPH (ictivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii) (iii) (ctals) (As) (Sb) (Sb)	0.38 0.38 0.39 0.38 LOWED PF WTPH-G) (NWTF G) (TSS) (E C) (Total Kie anide) (Free Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A. (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (i) (8020) (N (iii) (NWTPH (ictivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii) (iii) (ctals) (As) (Sb) (Sb)	0.38 0.38 0.39 0.38 0.39 0.38 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A. (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (D) (8020) (N (MH) (NWTPH (Inctivity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (As) (Sb) (detals) (As) (Sb (g short list)	0.38 0.38 0.39 0.38 0.39 0.38 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A. (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved Metals) (Dissolved Metals)	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (D) (8020) (N (MH) (NWTPH (Inctivity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (As) (Sb) (detals) (As) (Sb (g short list)	0.38 0.38 0.39 0.38 0.39 0.38 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL A. (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (D) (8020) (N (MH) (NWTPH (Inctivity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (As) (Sb) (detals) (As) (Sb (g short list)	0.38 0.38 0.39 0.38 0.39 0.38 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL AT (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved Methane Eth	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (D) (8020) (N (MH) (NWTPH (Inctivity) (TDS (C) (Total PO4 (le) (WAD Cy (le) (As) (Sb) (detals) (As) (Sb (g short list)	0.38 0.38 0.39 0.38 0.39 0.38 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5 1 Duplicate Sam	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL AI (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (i) (8020) (N (iii) (NWTPH (ictivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii (iii) (As) (Sb) (setals) (As) (Sb g short list) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii)	(mg/L) 0.38 0.38 0.39 0.38 LOWED PF WTPH-G) (1-D) (NWTF G) (TSS) (E-D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) etetylene	6.23 6.23 6.23 6.23 6.23 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF GOD) (Turbi dahl Nitroger (Cyanide) (Cyanide) (Cyanide) (Cod) (Co) (Ca) (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 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) CI) (SO4) (NO Ni) (Ag) (Se) (I) (V	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	(°F/°C) 27.8 27.9 28.0 28.0 27.9 TYPICAL AI (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	(uS/cm) 1012 1013 1014 1015 1014 NALYSIS AL (i) (8020) (N (iii) (NWTPH (ictivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii (iii) (As) (Sb) (setals) (As) (Sb g short list) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii)	(mg/L) 0.38 0.38 0.39 0.38 LOWED PF WTPH-G) (1-D) (NWTF G) (TSS) (E-D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) etetylene	6.23 6.23 6.23 6.23 6.23 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF GOD) (Turbi dahl Nitroger (Cyanide) (Cyanide) (Cyanide) (Cod) (Co) (Ca) (Cd) (Co)	(mV) -83.4 -83.7 -84.1 -84.4 -83.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (P	#DIV/0! #DIV/0! **Div/0! **Div/0! **Oplicable or write (8141) (Oil & G) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO Ni) (Ag) (Se) (I) (V	malysis below) WA WA ON ONE OF OTHER OF THE OTHER OF THE OTHER O	Observations OR □ OR □ OR □



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1200		
Sample Nun	mber:	RGW195S-	190814		Weather:	SUNNY, MUG	GY, HOT		
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	2.02	Time:	1125	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 14/2019	@ 1133	End Purge:	Date/Time:	8/ 14 /2019 @	1157	Gallons Purged:	<0.5
Purge water of	disposed 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)	•	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units	e consecutive rea +/- 10 mV	dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
1126						+/- 10 /6		tiir ougir cen	
1136		834	0.14	6.48	-107.6		2.02		
1139	27.2	878	0.12	6.42	-111.6		2.02		
1142	28.0	915	0.14	6.42	-113.5		2.03		
1145	28.6	956	0.20	6.41	-116.3				
1148	28.9	968	0.23	6.41	-116.9				
1151	29.2	990	0.24	6.41	-117.5				
1154		999	0.25	6.40	-118.0				
			0.20	00	110.0	-			
SAMPLE CO	DLLECTION D	DATA							
Sample Colle			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
		·							
(By Numerica	al Order)	Other							
		—	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	ıs			
		—	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	ıs			
		—	D.O. (mg/L)	CLEAR, CO	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	ription (color,	turbidity, odor	D.O.		ORP	Turbidity (NTU)			
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	(ft)		
Replicate 1 2	Temp (°F/°C) 29.5 29.6	Cond. (uS/cm) 1000	D.O. (mg/L) 0.25	pH 6.4 6.4	ORP (mV) -118.0	Turbidity (NTU)	(ft)		
Replicate 1 2 3	Temp (°F/°C) 29.5 29.6 29.7	Cond. (uS/cm) 1000 1002	D.O. (mg/L) 0.25 0.38	pH 6.4 6.4 6.4	ORP (mV) -118.0 -117.7 -117.7	Turbidity (NTU)	(ft)		
Replicate 1 2 3 4	Temp (°F/°C) 29.5 29.6 29.7	Cond. (uS/cm) 1000 1002 1004	D.O. (mg/L) 0.25 0.38 0.27 0.25	pH 6.4 6.4 6.4 6.4	ORP (mV) -118.0 -117.7 -117.7	Turbidity (NTU)	(ft)		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.5 29.6 29.7 29.7	Cond. (uS/cm) 1000 1002 1004 1005 1003	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29	pH 6.4 6.4 6.4 6.4 6.4	ORP (mV) -118.0 -117.7 -117.7 -117.8	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6	Cond. (uS/cm) 1000 1002 1004 1005 1003	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF	pH 6.4 6.4 6.4 6.4 6.4 6.8	ORP (mV) -118.0 -117.7 -117.7 -117.7 -117.8	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6 TYPICAL A (8260) (8010	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PERWYPH-G) (1997)	6.4 6.4 6.4 6.4 6.4 CR BOTTLE	ORP (mV) -118.0 -117.7 -117.7 -117.8 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	(ft)	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PERMITPH-G) (NWTFH-G) (NWTF	6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -118.0 -117.7 -117.7 -117.8 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard a	(Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (P4) (pH) (Condu	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E	6.4 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-DX) (TPH-DX)	ORP (mV) -118.0 -117.7 -117.7 -117.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (E) (Total Kie	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi dahl Nitroger	ORP (mV) -118.0 -117.7 -117.7 -117.8 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Too	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF [WTPH-G) (NWTF G) (TSS) (Feb.) (Total Kielenide) (Free	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbidahl Nitrogen Cyanide)	ORP (mV) -118.0 -117.7 -117.7 -117.8 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (P4 (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTP G) (TSS) (E C) (Total Kieler) (Free Ba) (Be) (Ca	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (P4 (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (fetals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTP G) (TSS) (E C) (Total Kieler) (Free Ba) (Be) (Ca	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (fetals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 29.5 29.6 29.7 29.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1000 1002 1004 1005 1003 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb ag short list)	D.O. (mg/L) 0.25 0.38 0.27 0.25 0.29 LOWED PF WTPH-G) (NWTF G) (TSS) (E D) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.4 6.4 6.4 6.4 6.4 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -118.0 -117.7 -117.7 -117.8 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) (c /NO2)	non-standard a rease) Cl) (SO4) (NC	malysis below) WA WA OB ON	Observations OR □ OR □ OR □



-	e:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1250		
Sample Num	nber:	RGW196D-	190814		Weather:	SUNNY, HOT,	HUMID		
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	RGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	2.10	Time:	1208	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 14 /2019	@ 1222	End Purge:	Date/Time:	8/ 14 /2019 @	1245	Gallons Purged:	<0.5
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)	pii	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1225	29.0	559	0.13	6.45	-84.9		2.09		
1228	29.3	558	0.12	6.45	-85.5		2.10		
1231	30.3	554	0.15	6.42	-87.0		2.10		
1234	31.0	553	0.16	6.41	-88.4				
1237	30.8	550	0.17	6.41	-90.2				
-	· 								
1240	30.3	538	0.20	6.40	-89.8				
1243	29.5	525	0.20	6.39	-89.4				
SAMPLE CO									
Sample Collec	cted With:	_	Bailer		Pump/Pump Type			— • · · ·	_
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	ription (color, t	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS			
Replicate	Temn	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	-			pH 6.39		•			
1	(°F/°C) 29.6	(uS/cm) 527	(mg/L) 0.20	6.39	-89.4	•			
1 2	(°F/°C) 29.6 29.7	(uS/cm) 527 523	(mg/L) 0.20 0.21	6.39	(mV) -89.4 -89.7	•			
1 2 3	(°F/°C) 29.6 29.7 29.2	(uS/cm) 527 523 520	0.20 0.21 0.20	6.39 6.40 6.39	-89.4 -89.7	•			
1 2	(°F/°C) 29.6 29.7	(uS/cm) 527 523	(mg/L) 0.20 0.21	6.39	(mV) -89.4 -89.7	•			
1 2 3	(°F/°C) 29.6 29.7 29.2	(uS/cm) 527 523 520	0.20 0.21 0.20	6.39 6.40 6.39	-89.4 -89.7	•			
1 2 3 4 Average:	(°F/°C) 29.6 29.7 29.2 29.3 29.5	527 523 520 521 523	0.20 0.21 0.20 0.20 0.20	6.39 6.40 6.39 6.39	(mV) -89.4 -89.7 -89.7 -89.7 -89.6	(NTU)	(ft)	(Fe II)	
1 2 3 4 Average:	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A	527 523 520 521 523	0.20 0.21 0.20 0.20 0.20 0.20	6.39 6.40 6.39 6.39 6.39	-89.4 -89.7 -89.7 -89.6 TYPE (Circle a	(NTU) #DIV/0!	(ft)	(Fe II)	
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA	527 523 520 521 523 NALYSIS AL () (8020) (N (H) (NWTPH	0.20 0.21 0.20 0.20 0.20 0.20 UCOWED PERMITPH-G) (NWTPH-G) (NWTPH-	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard a	(Fe II) nalysis below) WA WA WA	Observations
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	527 523 520 521 523 NALYSIS AI () (8020) (N () (NWTPHetivity) (TDS)	0.20 0.21 0.20 0.20 0.20 0.20 0.20 LOWED PERMYPH-G) (NWTFF-G) (NWTFF-G) (TSS) (ESS) (ESS)	6.39 6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-Dx) (Turbi	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	(uS/cm) 527 523 520 521 523 NALYSIS AI ()) (8020) (N (H) (NWTPHETELITY) (TDS	0.20 0.20 0.20 0.20 0.20 0.20 LOWED PF IWTPH-G) (NWTF S) (TSS) (E	6.39 6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	(uS/cm) 527 523 520 521 523 NALYSIS AL (b) (8020) (N (c) (NWTPH (ctivity) (TDS) (Total PO4 (e) (WAD Cy	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PF IWTPH-G) (NWTF S) (TSS) (E F) (Total Kie anide) (Free	6.39 6.39 6.39 6.39 6.39 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi dahl Nitroger Cyanide)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a rease) CI) (SO4) (NO	malysis below) WA WA ONE WA W	Observations OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals)	(uS/cm) 527 523 520 521 523 NALYSIS AL (a) (8020) (N (b) (NWTPHetivity) (TDS (c) (Total PO4 (e) (WAD Cy (c) (As) (Sb) (6)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PF IWTPH-G) (NWTF S) (TSS) (E F) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M	(uS/cm) 527 523 520 521 523 NALYSIS AI 0) (8020) (N H) (NWTPFectivity) (TDS C) (Total PO4 e) (WAD Cy o) (As) (Sb) (Setals) (As) (Sb) (Setals)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PF IWTPH-G) (NWTF S) (TSS) (E F) (Total Kie anide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	(uS/cm) 527 523 520 521 523 NALYSIS AI 0) (8020) (N H) (NWTPFectivity) (TDS C) (Total PO4 e) (WAD Cy o) (As) (Sb) (Setals) (As) (Sb) (Setals)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	(uS/cm) 527 523 520 521 523 NALYSIS AI (1) (8020) (N (NWTPF (1ctivity) (TDS (2) (Total PO4 (e) (WAD Cy (f) (As) (Sb) (fetals) (As) (Sb) (getals) (As) (Sb)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	(uS/cm) 527 523 520 521 523 NALYSIS AI (1) (8020) (N (NWTPF (1ctivity) (TDS (2) (Total PO4 (e) (WAD Cy (f) (As) (Sb) (fetals) (As) (Sb) (getals) (As) (Sb)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	(uS/cm) 527 523 520 521 523 NALYSIS AI (1) (8020) (N (NWTPF (1ctivity) (TDS (2) (Total PO4 (e) (WAD Cy (f) (As) (Sb) (fetals) (As) (Sb) (getals) (As) (Sb)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	(uS/cm) 527 523 520 521 523 NALYSIS AI (1) (8020) (N (NWTPF (1ctivity) (TDS (2) (Total PO4 (e) (WAD Cy (f) (As) (Sb) (fetals) (As) (Sb) (getals) (As) (Sb)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	(uS/cm) 527 523 520 521 523 NALYSIS AI (1) (8020) (N (NWTPF (1ctivity) (TDS (2) (Total PO4 (e) (WAD Cy (f) (As) (Sb) (fetals) (As) (Sb) (getals) (As) (Sb)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 29.6 29.7 29.2 29.3 29.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	(uS/cm) 527 523 520 521 523 NALYSIS AI (1) (8020) (N (NWTPF (1ctivity) (TDS (2) (Total PO4 (e) (WAD Cy (f) (As) (Sb) (fetals) (As) (Sb) (getals) (As) (Sb)	(mg/L) 0.20 0.21 0.20 0.20 0.20 LOWED PERMITPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Casa) (Ba) (Be) (Casa) (Ba) (Be) (Casa)	6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	(mV) -89.4 -89.7 -89.7 -89.6 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (i/NO2) (Pb) (Mg) (Mn) (i/NO2)	non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1025		
Sample Nun	mber:	RGW197S-	190814		Weather:	SUNNY, WAR	M		
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	1.69	Time:	946	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 14 /2019 @	957	End Purge:	Date/Time:	8/14 /2019 @	1020	Gallons Purged:	<0.5
Purge water of	disposed 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)	P	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units	e consecutive rea +/- 10 mV	dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
1000						+/- 10 %		unrough cen	
1000	24.1	1043	0.18	6.91	-106.1		1.69		
1003	24.5	1056	0.17	6.91	-114.4		1.69		
1006	25.0	1071	0.19	6.94	-122.3		1.69		
1009	25.9	1099	0.14	7.00	-130.3				
1012	26.1	1109	0.14	7.01	-133.7				
1015	26.6	1123	0.12	7.03	-137.2				
1018		1128	0.13	7.04	-139.3				
1010	20.7	1120	0.13	7.04	-137.3				
SAMPLE CO	DLLECTION D	ATA							
Sample Colle			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	_	Tap Rinse	DI Water	Dedicated	_	_	
				rup runse	□ D1ac.	Dearence			
(By Numerica	al Order)	Other							
(By Numerical Sample Description		Other	sheen, etc.):	CLEAR, CO	LORLESS, NO/N	S. SLIGHT EFFER	RV.		
· ·			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	NS, SLIGHT EFFER	RV.		
· ·			D.O. (mg/L)	CLEAR, CO	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity (NTU)	DTW	(Fe II)	
Sample Descri	Temp	Cond. (uS/cm)	D.O. (mg/L)	рН	ORP (mV)	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2	Temp (°F/°C) 26.8	Cond. (uS/cm) 1128	D.O. (mg/L) 0.13	pH 7.05 7.05	ORP (mV) -139.6 -139.7	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3	Temp (°F/°C) 26.8 26.8	Cond. (uS/cm) 1128 1128	D.O. (mg/L) 0.13 0.13	pH 7.05 7.05 7.05	ORP (mV) -139.6 -139.7 -140.0	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 26.8 26.8 26.8	Cond. (uS/cm) 1128 1128 1129	D.O. (mg/L) 0.13 0.13 0.13 0.13	pH 7.05 7.05 7.05 7.05 7.05	ORP (mV) -139.6 -139.7 -140.0 -140.3	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3	Temp (°F/°C) 26.8 26.8 26.8 26.8	Cond. (uS/cm) 1128 1128 1129 1129	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13	7.05 7.05 7.05 7.05 7.05 7.05	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8	Cond. (uS/cm) 1128 1128 1129 1129 NALYSIS AL	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 0.13	PH 7.05 7.05 7.05 7.05 7.05 7.05 7.05 8 BOTTLE	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.8 26.8 26.8 26.8 TYPICAL A (8260) (8010	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 0.13 CLOWED PF	7.05 7.05 7.05 7.05 7.05 7.05 7.05 (NWTPH-Gx	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PRIWTPH-G) (MWTPH-G)	7.05 7.05 7.05 7.05 7.05 7.05 (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8 (8260) (8010) (8270D) (PA) (pH) (Condu	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 1.10WED PF (WTPH-G) (NWTH-G) (NWTH-G) (TSS) (ESS) (E	7.05 7.05 7.05 7.05 7.05 7.05 PR BOTTLE (NWTPH-Gx PH-Dx) (TPH-GX) (TPH-GX) (TPH-GX)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 LOWED PERMITPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EU) (Total Kiele)	7.05 7.05 7.05 7.05 7.05 7.05 7.05 PH BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbic dahl Nitroger	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Too	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (D) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (de) (WAD Cy.	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 LOWED PF WTPH-G) (NWTP G-D) (NWTP G) (TSS) (Feb.) (Total Kielenide) (Free	7.05 7.05 7.05 7.05 7.05 7.05 7.05 PH-Dx) (TPH-Gx PH-Dx) (TPH-Gx PH-Dx) (Turbic dahl Nitrogen Cyanide)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 1128 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cyc) () (As) (Sb) (1	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PF WTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kielanide) (Free Ba) (Be) (C.	7.05 7.05 7.05 7.05 7.05 7.05 7.05 PH-Dx) (TPH-Gx PH-Dx) (TPH-Gx PH-Dx) (Turbiced All Nitrogen et Cyanide) (Cyanide) (Cyanide)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 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) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL () (8020) (N () (NWTPH () (Total PO4 () (AS) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PF WTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kielanide) (Free Ba) (Be) (C.	7.05 7.05 7.05 7.05 7.05 7.05 7.05 PH-Dx) (TPH-Gx PH-Dx) (TPH-Gx PH-Dx) (Turbiced All Nitrogen et Cyanide) (Cyanide) (Cyanide)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(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) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL () (8020) (N () (NWTPH () (Total PO4 () (AS) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PI (WTPH-G) (WTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	7.05 7.05 7.05 7.05 7.05 7.05 7.05 PH-Dx) (TPH-Gx PH-Dx) (TPH-Gx PH-Dx) (Turbiced All Nitrogen et Cyanide) (Cyanide) (Cyanide)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(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) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cys) (b) (As) (Sb) (Se (g short list)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PI (WTPH-G) (WTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	7.05 7.05 7.05 7.05 7.05 7.05 7.05 PH-Dx) (TPH-Gx PH-Dx) (TPH-Gx PH-Dx) (Turbiced All Nitrogen et Cyanide) (Cyanide) (Cyanide)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(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) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cys) (b) (As) (Sb) (Se (g short list)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PI (WTPH-G) (WTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	PH 7.05 7.05 7.05 7.05 7.05 7.05 7.05 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(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) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cys) (b) (As) (Sb) (Se (g short list)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PI (WTPH-G) (WTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	PH 7.05 7.05 7.05 7.05 7.05 7.05 7.05 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(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) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cys) (b) (As) (Sb) (Se (g short list)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PI (WTPH-G) (WTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	PH 7.05 7.05 7.05 7.05 7.05 7.05 7.05 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(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) 26.8 26.8 26.8 26.8 26.8 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 1128 1129 1129 1129 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cys) (b) (As) (Sb) (Se (g short list)	D.O. (mg/L) 0.13 0.13 0.13 0.13 0.13 CLOWED PI (WTPH-G) (WTPH-G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	PH 7.05 7.05 7.05 7.05 7.05 7.05 7.05 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -139.6 -139.7 -140.0 -140.3 -139.9 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1110		
Sample Nun	nber:	RGW245S-	190814		Weather:	SUNNY, MUG	GY, WARM		
Landau Rep	resentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	1.83	Time:	1038	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 14 /2019	@ 1044	End Purge:	Date/Time:	8/ 14 /2019 @	1108	Gallons Purged:	<0.5
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)	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	
1047	23.8	711	0.27	7.07	-86.0		1.84		
1050	24.4	717	0.26	7.03	-86.6		1.84		
1053	25.2	712	0.48	7.01	-87.4		1.84		
1056	26.1	709	0.40	6.99	-89.6				
1059	26.7	712	0.24	6.99	-90.6				
-	·				-				
1102	26.8	713	0.25	6.98	-91.2				
1105	27.3	715	0.20	6.98	-91.4	-	· 		
SAMPLE CO									
Sample Collec	cted With:	. —	Bailer		Pump/Pump Type			_	
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	d Order)	Other							
		_							
		_	, sheen, etc.):	CLEAR-SLI	GHTLY CLOUD	Y, COLORLESS, O	ORANGE FINES	, NO/NS	
Sample Descr	ription (color,	turbidity, odor							Comments/
		_	D.O. (mg/L)	CLEAR-SLI	ORP (mV)	Y, COLORLESS, (Turbidity (NTU)	DRANGE FINES DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	turbidity, odor	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 6.98	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 27.4	Cond. (uS/cm) 716	D.O. (mg/L) 0.20	pH 6.98 6.98	ORP (mV) -91.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 27.4 27.4	Cond. (uS/cm) 716 716	D.O. (mg/L) 0.20 0.20	pH 6.98 6.98 6.98	ORP (mV) -91.5 -91.6	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 27.4	Cond. (uS/cm) 716	D.O. (mg/L) 0.20	pH 6.98 6.98	ORP (mV) -91.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 27.4 27.4	Cond. (uS/cm) 716 716	D.O. (mg/L) 0.20 0.20	pH 6.98 6.98 6.98	ORP (mV) -91.5 -91.6	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 27.4 27.4 27.4 27.6 27.5	Cond. (uS/cm) 716 716 717	D.O. (mg/L) 0.20 0.20 0.19 0.25	6.98 6.98 6.98 6.98 6.98	ORP (mV) -91.5 -91.6 -91.9 -91.9	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.4 27.6 27.5	Cond. (uS/cm) 716 716 717	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PF	pH 6.98 6.98 6.98 6.98 6.98	ORP (mV) -91.5 -91.6 -91.9 -91.9 -91.7 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 716 716 716 717 716 NALYSIS AI	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERWIPH-G)	6.98 6.98 6.98 6.98 6.98 6.98 ER BOTTLE	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 716 716 716 717 716 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PF	6.98 6.98 6.98 6.98 6.98 CR BOTTLE (NWTPH-Gx	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO	Cond. (uS/cm) 716 716 717 716 NALYSIS AI (0) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO-	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMITPH-G) (M-D) (NWTPH-G)	6.98 6.98 6.98 6.98 6.98 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (COD) (TOO) (Total Cyanid	Cond. (uS/cm) 716 716 716 717 716 NALYSIS AI (0) (8020) (N AH) (NWTPH (1001) (Total PO4 (1001) (WAD Cy	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PF WTPH-G) (NWTP B) (TSS) (E) (Total Kie anide) (Free	6.98 6.98 6.98 6.98 6.98 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA O NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PF WTPH-G) (NWTF S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON ONE OF OF OTHER OF THE OTHER OF THE OTHER OF THE OTHER	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOG (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 716 716 716 717 716 NALYSIS AI 0) (8020) (NAH) (NWTPHetivity) (TDS) (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (setals) (As) (Sb)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PF WTPH-G) (NWTF S) (TSS) (E H) (Total Kie anide) (Free Ba) (Be) (Ca	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON ONE OF OF OTHER OF THE OTHER OF THE OTHER OF THE OTHER	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 716 716 716 717 716 NALYSIS AI 0) (8020) (NAH) (NWTPHetivity) (TDS) (C) (Total PO4) (le) (WAD Cy) () (As) (Sb) (setals) (As) (Sb) (setals) (As) (Sb)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.6 27.5 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 716 716 716 716 717 716 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.20 0.20 0.19 0.25 0.21 LOWED PERMYPH-G) (MYTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.98 6.98 6.98 6.98 6.98 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -91.5 -91.6 -91.9 -91.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2) (Pb) (Mg) (Mn) (non-standard a irease) Cl) (SO4) (NC	ralysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1231		
Sample Nun	nber:	RGW246S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	2.51	Time:	1150	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1200	End Purge:	Date/Time:	8/ 14 /2019 @	1224	Gallons Purged:	0.25
Purge water of	disposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Tomn	Cond.	D.O.	pН	ORP	Tumbidity	DTW	Internal Dunge	Comments/
Time	Temp (°F/°C)	(uS/cm)	(mg/L)	рп	(mV)	Turbidity (NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1203	22.1	287.2	0.40	6.17	-1.1	LOW	2.23		
1206	24.9	492.3	0.46	6.26	-67.9		2.23		
1209	25.1	455.4	0.49	6.26	-72.4		2.23		
1212	25.1	456.1	0.50	6.26	-73.2				
1215	- 1	414.5	0.53	6.25	-74.6				-
1218		383.8	0.54	6.25	-74.8				
1221	25.3	369.2	0.54	6.25	-74.5				
	DLLECTION D								
Sample Colle	cted With:	. —	Bailer	_		DED BLADDER		_	
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	_	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
		—							
Sample Descri	ription (color,	turbidity, odor	, sheen, etc.)	CLEAR CO	LORLESS NO/N	S			
			· · · · · · · · · · · · · · · · · · ·				DTW	Ferrous iron	Comments
Sample Describer Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	CLEAR CO	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity (NTU)	(ft)		
Replicate	Temp (°F/°C) 25.3	Cond. (uS/cm)	D.O. (mg/L)	рН 6.25	ORP (mV)	Turbidity (NTU)			
Replicate 1 2	Temp (°F/°C) 25.3 25.3	Cond. (uS/cm) 358.9 361.0	D.O. (mg/L) 0.55	pH 6.25 6.25	ORP (mV) -74.5	Turbidity (NTU)	(ft)		
Replicate 1 2 3	Temp (°F/°C) 25.3 25.3	Cond. (uS/cm) 358.9 361.0	D.O. (mg/L) 0.55 0.56	pH 6.25 6.25 6.25	ORP (mV) -74.5 -74.6	Turbidity (NTU)	(ft)		
Replicate 1 2	Temp (°F/°C) 25.3 25.3	Cond. (uS/cm) 358.9 361.0	D.O. (mg/L) 0.55	pH 6.25 6.25	ORP (mV) -74.5	Turbidity (NTU)	(ft)		
Replicate 1 2 3	Temp (°F/°C) 25.3 25.3	Cond. (uS/cm) 358.9 361.0	D.O. (mg/L) 0.55 0.56	pH 6.25 6.25 6.25	ORP (mV) -74.5 -74.6	Turbidity (NTU)	(ft)		
Replicate 1 2 3 4	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55	6.25 6.25 6.25 6.25 6.25	ORP (mV) -74.5 -74.6 -74.6 -74.6	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 TYPICAL A	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI	6.25 6.25 6.25 6.25 6.25 6.25	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 (8260) (8010	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI	6.25 6.25 6.25 6.25 6.25 6.25 (NWTPH-Gx	ORP (mV) -74.5 -74.6 -74.6 -74.6 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI	6.25 6.25 6.25 6.25 6.25 6.25 PH-Dx) (TPI BOD) (Turbi	ORP (mV) -74.5 -74.6 -74.6 -74.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 (8260) (8010 (8270D) (P4 (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PINTPH-G) H-D) (NWTI	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi cdahl Nitroger	ORP (mV) -74.5 -74.6 -74.6 -74.6 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Tool (Total Cyanical	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (uctivity) (TDS) (C) (Total PO4 (de) (WAD Cy	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) INTPH-G) (NWTI S) (TSS) (Figure 1) (Total Kielen 1) (Total Kielen 1) (Free 1) (Total Kielen 1)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi Bodahl Nitroger Cyanide)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (c)	non-standard a rease) Cl) (SO4) (NO	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Tood (Total Cyanid (Total Metals)	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (f)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) II-D) (NWTI S) (TSS) (H I) (Total Kielanide) (Free Ba) (Be) (C	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOtal Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (1 detals) (As) (Sb) (1	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) II-D) (NWTI S) (TSS) (H I) (Total Kielanide) (Free Ba) (Be) (C	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (P/OpH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (1 detals) (As) (Sb) (1	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (P/OpH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (P/OpH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 TYPICAL A (8260) (8010 (8270D) (P/OpH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 25.3 25.3	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 25.3 25.3	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.3 25.3 25.3 25.3 25.3 25.3 25.3 25.3	Cond. (uS/cm) 358.9 361.0 361.3 351.6 358.2 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.55 0.56 0.54 0.53 0.55 LOWED PI WTPH-G) (NWTI S) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (C) (C) (Ba) (Be) (C)	6.25 6.25 6.25 6.25 6.25 6.25 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codahl Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -74.5 -74.6 -74.6 -74.6 -74.6 TYPE (Circle a o o o o o o o o o o o o o o o o o o	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	<u>r:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1401		
Sample Nun	nber:	RGW247S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.2	Time:	1320	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1330	End Purge:	Date/Time:	8/ 14 /2019 @	1342	Gallons Purged:	0.25
Purge water of	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Т	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Dunce	Comments/
Time	Temp (°F/°C)	(uS/cm)	(mg/L)	рп	(mV)	(NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1333	24.9	515	0.31	6.40	-29.5	LOW	4.39		
1336	25.2	519	0.32	6.41	-37.2		4.36		
1339	25.6	523	0.33	6.42	-50.1		4.32		
			-						
							-		-
							-		
	- ———								
	DLLECTION D								
Sample Colle	cted With:	. –	Bailer			DED BLADDER		_	
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	_	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
Sample Descri			, sheen, etc.):	SLIGHTLY	YELLOW CLEA	R NO/NS			
	ription (color,	turbidity, odor	· -				DTW	Ferrous iron	Comments
Sample Describer Replicate			D.O. (mg/L)	SLIGHTLY pH	YELLOW CLEA ORP (mV)	R NO/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) 525	D.O. (mg/L)	рН 6.42	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 25.8 25.8	Cond. (uS/cm) 525 528	D.O. (mg/L) 0.33	pH 6.42 6.42	ORP (mV) -51.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 25.8 25.8 25.8	Cond. (uS/cm) 525 528	D.O. (mg/L) 0.33 0.34	pH 6.42 6.42 6.42	ORP (mV) -51.9 -53.7 -55.6	Turbidity			
Replicate 1 2	Temp (°F/°C) 25.8 25.8	Cond. (uS/cm) 525 528	D.O. (mg/L) 0.33	pH 6.42 6.42	ORP (mV) -51.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 25.8 25.8 25.8	Cond. (uS/cm) 525 528	D.O. (mg/L) 0.33 0.34	pH 6.42 6.42 6.42	ORP (mV) -51.9 -53.7 -55.6	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8	Cond. (uS/cm) 525 528 528 529	D.O. (mg/L) 0.33 0.34 0.34 0.34	6.42 6.42 6.43 6.42	ORP (mV) -51.9 -53.7 -55.6 -57.1	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8	Cond. (uS/cm) 525 528 528 529	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 0.34	6.42 6.42 6.42 6.43 6.42 ER BOTTLE	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 (8260) (8010	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI	D.O. (mg/L) 0.33 0.34 0.34 0.34 1.34 1.34 1.34 1.34 1.34 1.34	6.42 6.42 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (PA(C))	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PINTH-G) H-D) (NWTH-S) (TSS) (H	6.42 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-DX) (TPH-DX) (TPH-DX)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (PA) (COD) (TOO)	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI NWTPH-G) H-D) (NWTI S) (TSS) (H () (Total Kie	6.42 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	nalysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (P4) (COD) (TOO (Total Cyanic	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (2) (8020) (N (MH) (NWTPH (ctivity) (TDS) (C) (Total PO2) (e) (WAD Cy	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) H-D) (NWTPH-G) H-D) (Total Kie anide) (Free anide)	6.42 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbic dahl Nitroger	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2)	non-standard a rease) CI) (SO4) (NO	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 □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (P4) (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N AH) (NWTPHactivity) (TDS (C) (Total PO-	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (Fee anide) (Free Ba) (Be) (C	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen C Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals) (Dissolved M	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI () (8020) (N AH) (NWTPH () (Total PO4 () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) H-D) (NWTI S) (TSS) (Fee anide) (Free Ba) (Be) (C	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen C Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI () (8020) (N AH) (NWTPH () (Total PO4 () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen C Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N (AH) (NWTPHetrivity) (TDS (C) (Total PO-4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen C Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N (AH) (NWTPHetrivity) (TDS (C) (Total PO-4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen C Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N (AH) (NWTPHetrivity) (TDS (C) (Total PO-4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical C	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N (AH) (NWTPHetrivity) (TDS (C) (Total PO-4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate San	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical C	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N (AH) (NWTPHetrivity) (TDS (C) (Total PO-4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 25.8 25.8 25.8 25.8 25.8 25.8 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 525 528 528 529 528 NALYSIS AI (0) (8020) (N (AH) (NWTPHetrivity) (TDS (C) (Total PO-4 (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.33 0.34 0.34 0.34 0.34 LOWED PI WTPH-G) (NWTH S) (TSS) (E) (Total Kie ranide) (Free Ba) (Be) (C) (D) (Ba) (Be) (C)	6.42 6.42 6.43 6.42 6.43 6.42 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi Bodahl Nitrogen Cyanide) a) (Cd) (Co)	ORP (mV) -51.9 -53.7 -55.6 -57.1 -54.6 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1435		
Sample Nun	nber:	RGW248I-	190814		Weather:	SUNNY, HOT			
Landau Rep	resentative:	BXM							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	3.84	Time:	1401	Flow through ce	ll vol.		GW Meter No.(s	s HERON-1
Begin Purge:	Date/Time:	8/ 14 /2019	@ 1407	End Purge:	Date/Time:	8/ 14/2019 @	1430	Gallons Purged:	<0.5
Purge water of	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)	P	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units		dings within the fo	ollowing limits < 0.3 ft	>/= 1 flow	
						+/- 10%		through cell	
1410	23.0	481.8	0.17	6.44	14.2	-	3.90		
1413	24.4	507	0.16	6.37	-0.3		3.90		
1416	25.9	514	0.14	6.32	-9.4		3.87		
1419	26.7	536	0.12	6.33	-21.2				
1422	27.4	554	0.12	6.34	-30.9				
1425	28.1	565	0.12	6.35	-38.6				
1428		575	0.20	6.36	-45.9				
1120	20.1	373	0.20	0.50	10.7	-			
SAMPLE CO	DLLECTION D	ATA							
Sample Colle			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica		Other	_	1					
(D) I tumerice									
· ·			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	ISDARK FINES, S	LIGHT EFFERV	ESCENT	
· ·			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	ISDARK FINES, S	LIGHT EFFERV	ESCENT	
· ·			D.O. (mg/L)	CLEAR, CO	OLORLESS, NO/NO	SDARK FINES, S Turbidity (NTU)	LIGHT EFFERV DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	Temp	turbidity, odor	D.O.		ORP	Turbidity (NTU)	DTW (ft)	Ferrous iron	
Sample Descri	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.36	ORP (mV)	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 28.2 28.3	Cond. (uS/cm) 577	D.O. (mg/L) 0.12	pH 6.36 6.36	ORP (mV) -46.7 -47.6	Turbidity (NTU)	DTW (ft)	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 28.2 28.3 28.2	Cond. (uS/cm) 577 578	D.O. (mg/L) 0.12 0.12	pH 6.36 6.36 6.36	ORP (mV) -46.7 -47.6 -48.3	Turbidity (NTU)	DTW (ft)	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 28.2 28.3 28.2 28.4	Cond. (uS/cm) 577 578 578	D.O. (mg/L) 0.12 0.12 0.12 0.12	pH 6.36 6.36 6.36 6.36	ORP (mV) -46.7 -47.6 -48.3 -49.0	Turbidity (NTU)	DTW (ft)	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 28.2 28.3 28.2	Cond. (uS/cm) 577 578	D.O. (mg/L) 0.12 0.12	pH 6.36 6.36 6.36	ORP (mV) -46.7 -47.6 -48.3	Turbidity (NTU)	DTW (ft)	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 28.2 28.3 28.2 28.4 28.3	Cond. (uS/cm) 577 578 578 581	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12	pH 6.36 6.36 6.36 6.36 6.36	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010	Cond. (uS/cm) 577 578 578 579 NALYSIS AL	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.12 ULOWED PF	6.36 6.36 6.36 6.36 6.36 CR BOTTLE	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 TYPE (Circle a	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 1.12 0.12 0.15 0.10	6.36 6.36 6.36 6.36 6.36 CR BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 TYPE (Circle a) (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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.10 LOWED PF WTPH-G) (NWTF G) (TSS) (E	6.36 6.36 6.36 6.36 6.36 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH-GX) (TPH-GX) (TPH-GX) (TPH-GX)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 1.12 0.15 0.10	6.36 6.36 6.36 6.36 6.36 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (P/O) (PH) (Conduction (COD) (Total Cyanical	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 1.10	pH 6.36 6.36 6.36 6.36 6.36 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitrogen Cyanide)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (/NO2)	non-standard a	ralysis below) WA WA WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy () (As) (Sb) ()	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 1.12 0.15 0.10	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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 □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (P4 (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (H) (NWTPH) (ctivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (0 (etals) (As) (Sb) (0	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 1.12 0.15 0.10	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (H) (NWTPH) (ctivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (0 (etals) (As) (Sb) (0	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.15 CLOWED PF ONTH-G) (NWTF ONTH-G) (TSS) (E-C) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (AH) (NWTPH) (activity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.15 CLOWED PF ONTH-G) (NWTF ONTH-G) (TSS) (E-C) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (AH) (NWTPH) (activity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.15 CLOWED PF ONTH-G) (NWTF ONTH-G) (TSS) (E-C) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (AH) (NWTPH) (activity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.15 CLOWED PF ONTH-G) (NWTF ONTH-G) (TSS) (E-C) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (AH) (NWTPH) (activity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.15 CLOWED PF ONTH-G) (NWTF ONTH-G) (TSS) (E-C) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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) 28.2 28.3 28.2 28.4 28.3 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 577 578 578 581 579 NALYSIS AL (0) (8020) (N (AH) (NWTPH) (activity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 0.12 0.12 0.12 0.12 0.12 0.12 0.15 CLOWED PF ONTH-G) (NWTF ONTH-G) (TSS) (E ONTH-G) (Total Kie Canide) (Free Ba) (Be) (Ca ONTH-G) (Ba) (Be) (Ca ONTH-G) (Ca ONT	pH 6.36 6.36 6.36 6.36 6.36 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -46.7 -47.6 -48.3 -49.0 -47.9 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) (in/NO2)	non-standard a irease) 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 □



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1301		
Sample Nun	nber:	RGW249S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(0)	Describe:			
DTW Before	Purging (ft)	3.89	Time:	1225	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 14 /2019	1230	End Purge:	Date/Time:	8/ 14 /2019 @	1254	Gallons Purged:	
Purge water of	disposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Т	Cond.	D.O.	pН	ORP	T	DTW	Internal Dunce	Comments/
Time	Temp (°F/°C)	(uS/cm)	(mg/L)	þп	(mV)	Turbidity (NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
1233	23.4	581	0.12	6.34	-35.0	LOW	3.89		
1236	22.6	578	0.12	6.38	-58.4		3.89		
1239	23.2	575	0.11	6.41	-82.0		3.89		
1242	24.4	577	0.23	6.42	-94.7				
1245	- 1	574	0.26	6.42	-97.0			-	-
1248		572	0.28	6.41	-99.2				
1251	26.4	566	0.33	6.41	-101.1				
	DLLECTION D								
Sample Colle	cted With:	. —	Bailer	_		DED BLADDER		_	
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	_	Alconox Was	h 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
Sample Descri	ription (color,	turbidity, odor	, sheen, etc.):	SLIGHTLY	YELLOW CLEA	R NO/NS			
			·-				DTW	Ferrous iron	Comments/
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH	ORP (mV)	R NO/NS Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity (NTU)	(ft)		
Replicate	Temp (°F/°C) 26.3	Cond. (uS/cm)	D.O. (mg/L)	pH 6.41	ORP (mV)	Turbidity (NTU)			
Replicate 1 2	Temp (°F/°C) 26.3 26.6	Cond. (uS/cm) 562 562	D.O. (mg/L) 0.33	pH 6.41 6.40	ORP (mV) -101.2 -101.3	Turbidity (NTU)	(ft)		
Replicate 1 2 3	Temp (°F/°C) 26.3 26.6 26.5	Cond. (uS/cm) 562 562 561	D.O. (mg/L) 0.33 0.33	pH 6.41 6.40 6.40	ORP (mV) -101.2 -101.3	Turbidity (NTU)	(ft)		
Replicate 1 2	Temp (°F/°C) 26.3 26.6	Cond. (uS/cm) 562 562	D.O. (mg/L) 0.33	pH 6.41 6.40	ORP (mV) -101.2 -101.3	Turbidity (NTU)	(ft)		
Replicate 1 2 3	Temp (°F/°C) 26.3 26.6 26.5	Cond. (uS/cm) 562 562 561	D.O. (mg/L) 0.33 0.33	pH 6.41 6.40 6.40	ORP (mV) -101.2 -101.3	Turbidity (NTU)	(ft)		
Replicate 1 2 3 4	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5	Cond. (uS/cm) 562 562 561 560	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34	6.41 6.40 6.40 6.40 6.40	ORP (mV) -101.2 -101.3 -101.4 -101.5	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5	Cond. (uS/cm) 562 562 561 560	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PF	6.41 6.40 6.40 6.40 6.40	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PP	6.41 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P4) (pH) (Condu	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PF WTPH-G) (NWTH-G) (NWTH-G) (TSS) (FSS) (F	6.41 6.40 6.40 6.40 6.40 6.40 6.40 ER BOTTLE (NWTPH-Gx PH-Dx) (TPI	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (AH) (NWTPH) (activity) (TDS) (C) (Total PO4)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EU) (Total Kiele) (Total Kiele)	6.41 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi cdahl Nitroger	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (AH) (NWTPH (uctivity) (TDS) (C) (Total PO4 (le) (WAD Cy	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kielanide) (Freedamide) (Freedamide) (Freedamide) (Freedamide)	6.41 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi edahl Nitroger Cyanide)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2)	non-standard a rease) CI) (SO4) (NO	nalysis below) WA WA O WA O NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (1	D.O. (mg/L) 0.33 0.35 0.36 0.34 LOWED PF (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Feb) (Total Kielanide) (Free Ba) (Be) (C.	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanical Cy	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL 0) (8020) (N AH) (NWTPH detivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (0 detals) (As) (Sb) (10	D.O. (mg/L) 0.33 0.35 0.36 0.34 LOWED PF (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Feb) (Total Kielanide) (Free Ba) (Be) (C.	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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 □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/O) (FOIL) (COD) (TOO) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL 0) (8020) (N AH) (NWTPH detivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (0 detals) (As) (Sb) (10	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/O) (FOIL) (COD) (TOO) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (N) (NWTPH) (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/O) (FOIL) (COD) (TOO) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (N) (NWTPH) (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/O) (FOIL) (COD) (TOO) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (N) (NWTPH) (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (N) (NWTPH) (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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 1 Duplicate San	Temp (°F/°C) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (N) (NWTPH) (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 26.3 26.6 26.5 26.4 26.5 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 562 562 561 560 561 NALYSIS AL (0) (8020) (N (N) (NWTPH) (activity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.33 0.33 0.35 0.36 0.34 LOWED PH WTPH-G) (NWTH G) (TSS) (E) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.41 6.40 6.40 6.40 6.40 6.40 6.40 CER BOTTLE (NWTPH-Gx PH-Dx) (TPI BOD) (Turbi codal Nitrogen c Cyanide) a) (Cd) (Co)	ORP (mV) -101.2 -101.3 -101.4 -101.5 -101.4 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) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	1010		
Sample Nun	nber:	RGW174S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	3.99	Time:		Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
	Date/Time:				-	8/ 14 /2019 @	1003	Gallons Purged:	
Purge water of			55-gal Drum	Ē	Storage Tank	Ground		SITE TREATM	•
Ü	•				C		<u> </u>		
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	ls: Stablizatio	n of Parame		consecutive rea	dings within the fo	ollowing limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
943	19.2	142.2	0.76	6.48	-30.0	LOW	4.3		
946	19.5	143.1	0.63	6.46	-29.2		4.33	- <u></u>	
949	21.0	150.9	0.55	6.51	-35.1		4.25		
952	21.3	153.3	0.44	6.53	-36.9		4.25		
955		157.0	0.41	6.59	-48.5				
-			_						-
958		158.6	0.35	6.62	-54.0				
1001	21.8	160.8	0.35	6.64	-61.4				
	<u> </u>								
	LLECTION D								
Sample Colle	cted With:	_	Bailer			DED BLADDER		_	
Made of:	L	Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	_	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ul Order)	Other							
Sample Descri	ription (color,	turbidity, odor	, sheen, etc.):	CLEAR CO	LORLESS NO/NS	S			
							DTW	Ferrous iron	Comments/
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	CLEAR COI	ORP (mV)	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)	рН 6.64	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.8 21.8	Cond. (uS/cm) 160.9	D.O. (mg/L) 0.34	pH 6.64 6.64	ORP (mV) -62.4 -64.2	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.8 21.8 21.8	Cond. (uS/cm) 160.9 162.0	D.O. (mg/L) 0.34 0.34	pH 6.64 6.64 6.65	ORP (mV) -62.4 -64.2	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.8 21.8 21.8 21.8	Cond. (uS/cm) 160.9 162.0 162.0	D.O. (mg/L) 0.34 0.34 0.35 0.32	pH 6.64 6.64 6.65 6.65	ORP (mV) -62.4 -64.2 -65.1 -66.2	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 21.8 21.8 21.8	Cond. (uS/cm) 160.9 162.0	D.O. (mg/L) 0.34 0.34	pH 6.64 6.64 6.65	ORP (mV) -62.4 -64.2	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8	Cond. (uS/cm) 160.9 162.0 162.0 162.0	D.O. (mg/L) 0.34 0.35 0.32 0.34	pH 6.64 6.65 6.65 6.65	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 TYPICAL A	Cond. (uS/cm) 160.9 162.0 162.0 162.0	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PF	pH 6.64 6.65 6.65 6.65 6.65	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 (8260) (8010) (8270) (PAF	Cond. (uS/cm) 160.9 162.0 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PF	6.64 6.65 6.65 6.65 6.65 ER BOTTLE (NWTPH-GX	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 (8260) (8010) (8270) (PAH (pH) (Condu	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N d) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010) (8270) (PAF (pH) (Conduction) (TOO	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (NH) (NWTPH-lactivity) (TDS) C) (Total PO4	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PF WTPH-G) (NWTPH-G) (TSS) (ES) (TSS) (ES) (Total Kie	6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-GDD) (Turbi	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 (8260) (8016) (8270) (PAH (pH) (Condu) (COD) (Tod (Total Cyanid	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AL 0) (8021) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 le) (WAD Cy	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PF WTPH-G) (D) (NWTPH-G) (Fig. (Total Kie anide) (Free anide) (6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicated Nitrogen Cyanide)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c)	non-standard a	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AL (0) (8021) (N (1) (NWTPH-Inctivity) (TDS) (C) (Total PO4 (de) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PF WTPH-G) (MYTPH-G) (6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a ease) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (Setals)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PF WTPH-G) (MYTPH-G) (6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a ease) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (Setals)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (MYTPH-G) (TSS) (ES) (Total Kielanide) (Free Ba) (Be) (Calculate) (Ba) (Be) (Calculate) (Ba) (Be) (Calculate)	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 160.9 162.0 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb og short list)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (MYTPH-G) (TSS) (ES) (Total Kielanide) (Free Ba) (Be) (Calculate) (Ba) (Be) (Calculate) (Ba) (Be) (Calculate)	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb og short list)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (MYTPH-G) (TSS) (ES) (Total Kielanide) (Free Ba) (Be) (Calculate) (Ba) (Be) (Calculate) (Ba) (Be) (Calculate)	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb og short list)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (MYTPH-G) (TSS) (ES) (Total Kielanide) (Free Ba) (Be) (Calculate) (Ba) (Be) (Calculate) (Ba) (Be) (Calculate)	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb og short list)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (MYTPH-G) (TSS) (ES) (Total Kielanide) (Free Ba) (Be) (Calculate) (Ba) (Be) (Calculate) (Ba) (Be) (Calculate)	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb og short list)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (M	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.8 21.8 21.8 21.8 21.8 21.8 21.8 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 160.9 162.0 162.0 161.7 NALYSIS AI 0) (8021) (N H) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb og short list)	D.O. (mg/L) 0.34 0.35 0.32 0.34 LOWED PERMYPH-G) (MYTPH-G) (M	6.64 6.64 6.65 6.65 6.65 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbi codahl Nitroger codahl Nitroger codahl (Cd) (Co)	ORP (mV) -62.4 -64.2 -65.1 -66.2 -64.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a sase) Cl) (SO4) (NC	MA DOS) (NO2) (F)	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	940		
Sample Num	nber:	RGW250S-	190814		Weather:	CLEAR			
Landau Repr	resentative:	SRB							
WATER LEV	'EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	3.95	Time:	-	Flow through ce			GW Meter No.(s SLOPE 10
	Date/Time:			End Purge:	-	8/ 14 /2019 @	932	Gallons Purged:	
Purge water d			55-gal Drum	Ē	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
			, ,	ters for three		dings within the fo		>/= 1 flow	O BSCI (MCIONS
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
913	17.5	133.9	0.21	6.90	-55.5	LOW	4.41		
916	17.9	134.8	0.26	6.90	-65.8		4.45		
919	19.3	138.2	0.40	6.96	-86.5		4.2		
922		138.0	0.34	6.97	-88.3		4.2		
	· 		_						
925	20.4	140.1	0.34	7.00	-94.8		· 		
928	21.0	141.3	0.30	7.01	-98.7		· 		
931	21.1	142.2	0.39	7.00	-100.6				
SAMPLE CO	LLECTION D								
Sample Collec	cted With:		Bailer	_	Pump/Pump Type	DED BLADDER		_	
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	l Order)	Other							
	i Oraci)								
Sample Descr			, sheen, etc.):	SLIGHTLY	YELLOW AND	TURBID NO/NS	•		
	ription (color,	turbidity, odor	· -				DTW	Farmonainon	Commental
Sample Descr Replicate			D.O. (mg/L)	SLIGHTLY pH	YELLOW AND TO	TURBID NO/NS 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			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 142.3	D.O. (mg/L)	pH 7.00	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.2	Cond. (uS/cm) 142.3	D.O. (mg/L) 0.32	pH 7.00 7.01	ORP (mV) -101.1	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 142.3	D.O. (mg/L)	pH 7.00	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.2	Cond. (uS/cm) 142.3	D.O. (mg/L) 0.32	pH 7.00 7.01	ORP (mV) -101.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.2 21.2	Cond. (uS/cm) 142.3 142.4	D.O. (mg/L) 0.32 0.31	pH 7.00 7.01 7.01	ORP (mV) -101.1 -101.7 -102.0	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2	Cond. (uS/cm) 142.3 142.4 142.7	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32	7.00 7.01 7.01 7.00 7.01	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A	Cond. (uS/cm) 142.3 142.4 142.7	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32	7.00 7.01 7.00 7.00 7.01 7.00 7.01 7.01	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260) (8016	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PE	7.00 7.01 7.00 7.00 7.01 7.00 7.01 RR BOTTLE NWTPH-Gx	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a	Turbidity (NTU) #DIV/0!	non-standard a	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI () (8021) (NH) (NWTPH-	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PE	7.00 7.01 7.00 7.01 7.00 7.01 RR BOTTLE NWTPH-Gx -Dx) (TPH-	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 142.3 142.3 142.4 142.7 142.4 NALYSIS AI (0) (8021) (NI H) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERWIPH-G) (D) (NWTPH S) (TSS) (B	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 R BOTTLE NWTPH-Gx -Dx) (TPH- OD) (Turbidahl Nitroger	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260) (8016) (8270) (PAF (pH) (Conduction (COD) (TOO) (Total Cyanid	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI (D) (8021) (N H) (NWTPH- lactivity) (TDS (C) (Total PO4 le) (WAD Cy	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx C-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 142.3 142.4 142.4 142.4 NALYSIS AI O) (8021) (N H) (NWTPH- activity) (TDS C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (TOG) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI O) (8021) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 le) (WAD Cy et als) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI O) (8021) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 le) (WAD Cy et als) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI 0) (8021) (N H) (NWTPH-lictivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI 0) (8021) (N H) (NWTPH-lictivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI 0) (8021) (N H) (NWTPH-lictivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI 0) (8021) (N H) (NWTPH-lictivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI 0) (8021) (N H) (NWTPH-lictivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 142.3 142.4 142.7 142.4 NALYSIS AI 0) (8021) (N H) (NWTPH-lictivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.32 0.31 0.28 0.37 0.32 LOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	7.00 7.01 7.00 7.01 7.00 7.01 7.00 7.01 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidal Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -101.1 -101.7 -102.0 -102.4 -101.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO (Ni) (Ag) (Se) (Ag) (Se) (Tl) (No	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nan	ne:	Boeing Ren	iton		Project Numb	er:	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@			
Sample Nu	mber:	RGW010S-			Weather:	CLEAR SUNN	Y		
Landau Rep	presentative:	SRB							_
WATER LE	VEL/WELL/P	URGE DATA							
Well Conditi		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before		5.11	Time:	_	Flow through co			GW Meter No.(SI OPF 4
	: Date/Time:			End Purge:	_	8/ 13 /2019 @		Gallons Purged:	
Purge water			55-gal Drum	_	Storage Tank	Ground		SITE TREATM	
Turge water	disposed to.		55-gai Dium		Storage Tank	Щ Ground	U Other	SITE TREATM	ENT STSTEM
Т:	Temp	Cond. (uS/cm)	D.O.	pН	ORP	Turbidity (NTU)	DTW	Internal Purge	
Time	(°F/°C) Purge G	((mg/L) ition of Para	meters for tl	(mV) ree consecutive	readings within th	(ft) ne following	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
	_								
	$-\mathbf{W}$	ATER	LEV	EL O	NLY				
	-, : <u></u>								
				<u> </u>					
	-								
CAMDIE CO	OLLECTION								
Sample Colle			Bailer		Pump/Pump Typ	ie.			
Made of:	ceted With.	Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
	. =	•	_				<u></u>	E Dedicated	
Decon Proce		Alconox Was	sh 📋	Tap Rinse	DI Water	☐ Dedicated			
(By Numeric		Other							
Sample Desc	cription (color,	turbidity, odoi	r, sheen, etc.)	:					
Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	(°F/°C)	(uS/cm)	(mg/L)	pm	(mV)	(NTU)	(ft)	(Fe II)	Observations
1									
	-								
2							-		
3	-								
4						_			
Average:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
OLI A NITETTEN	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	NAT VOIC AT	I LOWED D	ED DOTTE	E TEXADE (C')				
QUANTITY	1	0) (8020) (N				applicable or write	e non-standard	WA	OR 🗆
						1) (8141) (Oil &	Grease)	WA 🗆	OR 🗆
						ty) (HCO3/CO3)			
	u / \	• • • • • • • • • • • • • • • • • • • •			en) (NH3) (NC	, , , , ,	(61) (801) (1	(1,02) (1	,
		de) (WAD Cy			, (, (
) (Cr) (Cu) (Fe	(Pb) (Mg) (Mn)	(Ni) (Ag) (Se)	(Tl) (V) (Zn)	(Hg) (K) (Na)
) (Na) (Hardness) (Si
	VOC (Boeir								
		nane Ethene A	cetylene						
1									
	others								
D 11									
Duplicate Sa									
Duplicate Sa Comments:							8/13/2019		



	ne:	Boeing Ren	iton		Project Numb	er:	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@			
Sample Nur	nber:	RGW011D	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							_
WATER LEV	VFI /WFI I /P	URGE DATA							
Well Condition		Secure (YES		Damaged (N	10)	Describe:			
		•		_			-	GW Motor No. (s	SI ODE 4
DTW Before		5.06	Time:	End Purge:	Flow through co	8/ 13 /2019 @		GW Meter No.(§	
		8/ 13 /2019				6/ 13 /2019 @ Ground	_	Gallons Purged:	0.5
Purge water of	iisposed to:		55-gal Drum	n <u>u</u>	Storage Tank	₩ Ground	U Otner	SITE TREATM	ENI SISIEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge G	(uS/cm) oals: Stabliza	(mg/L)	meters for th	(mV) pree consecutive	(NTU) readings within th	(ft) ne following	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
								_	
	_					-		· .	
	\mathbf{W}	ATER	IFV	EI O	NI V		-		
		$\frac{1}{1}$				<u> </u>			
									_
						-	-	·	
SAMPLE CO	DLLECTION I	DATA							
Sample Colle	ected With:		Bailer		Pump/Pump Typ	be			_
Made of:		Stainless Stee	el 🗖] PVC	Teflon	Polyethylene	Other	Dedicated	_
Decon Proced	dure:	Alconox Was	_	Tap Rinse	DI Water	Dedicated	_	—	
(By Numerica		Other	,ıı <u> </u>	Tap Killse	i Di Water	Dedicated			
Sample Descri	ription (color,	turbidity, odor	, sheen, etc.)):					
Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
перисис	(°F/°C)	(uS/cm)	(mg/L)	pii	(mV)	•	(ft)		
1	, ,	, , ,	. 0		, ,	(NTU)	(11)	(Fe II)	Observations
						(NTU)	(11)	(Fe II)	Observations
2						(NTU)	(11)	(Fe II)	Observations
2						(NTU)		(Fe II)	Observations
3						(NIU)	(11)	(Fe II)	Observations
3 4						(NIU)	(11)	(Fe II)	Observations
4	#DIV/01	#DIV/01	#DIV/01	#DIV/01	#DIV/01		(11)	(Fe II)	Observations
	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	(11)	(Fe II)	Observations
4 Average:	· · · · · · · · · · · · · · · · · · ·								Observations
4 Average:	(8260) (801	NALYSIS AI 0) (8020) (N	LLOWED P	PER BOTTLI (NWTPH-G:	E TYPE (Circle	#DIV/0!	e non-standard	analysis below) WA	OR 🗆
4 Average:	(8260) (801 (8270D) (PA	NALYSIS AI 0) (8020) (N AH) (NWTPI	LLOWED P NWTPH-G) H-D) (NWT	PER BOTTL (NWTPH-G. TPH-Dx) (TI	E TYPE (Circle x) (BTEX) PH-HCID) (808	#DIV/0! applicable or write (1) (8141) (Oil &	e non-standard Grease)	analysis below) WA WA WA	OR 🗆
4 Average:	(8260) (801) (8270D) (PA) (pH) (Condu	NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TD	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (PER BOTTL (NWTPH-G: TPH-Dx) (TI (BOD) (Turk	E TYPE (Circle x) (BTEX) PH-HCID) (808 bidity) (Alkalini	#DIV/0! applicable or write 1) (8141) (Oil & ty) (HCO3/CO3)	e non-standard Grease)	analysis below) WA WA WA	OR 🗆
4 Average:	(8260) (801 (8270D) (PA (pH) (Conduction) (COD) (TO	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD: C) (Total PO	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki	PER BOTTLI (NWTPH-G: IPH-Dx) (TI (BOD) (Turb iedahl Nitrogo	E TYPE (Circle x) (BTEX) PH-HCID) (808	#DIV/0! applicable or write 1) (8141) (Oil & ty) (HCO3/CO3)	e non-standard Grease)	analysis below) WA WA WA	OR 🗆
4 Average:	(8260) (801 (8270D) (Pz (pH) (Condu (COD) (TO	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total PO-	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb iedahl Nitrogo te Cyanide)	E TYPE (Circle x) (BTEX) PH-HCID) (808 bidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write 1) (8141) (Oil & ty) (HCO3/CO3) 03/NO2)	e non-standard Grease) (CI) (SO4) (I	analysis below) WA WA WO NO3) (NO2) (F	OR □ OR □
4 Average:	TYPICAL A (8260) (801 (8270D) (PA (pH) (Condu (COD) (TOtal Cyanic (Total Metals	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total PO- de) (WAD Cy c) (As) (Sb) (LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average:	TYPICAL A (8260) (801 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD. C) (Total PO- de) (WAD Cy c) (As) (Sb) (letals) (As) (Sb)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR □ OR □
4 Average:	TYPICAL A (8260) (801 (8270D) (Pz (pH) (Condu (COD) (TOut (Total Cyanic (Total Metals (Dissolved M VOC (Boein	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total POde) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ug short list)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average:	TYPICAL A (8260) (801 (8270D) (Pz (pH) (Condu (COD) (TOut (Total Cyanic (Total Metals (Dissolved M VOC (Boein	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD. C) (Total PO- de) (WAD Cy c) (As) (Sb) (letals) (As) (Sb)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average:	TYPICAL A (8260) (801 (8270D) (Pz (pH) (Condu (COD) (TOut (Total Cyanic (Total Metals (Dissolved M VOC (Boein	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total POde) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ug short list)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average:	TYPICAL A (8260) (801 (8270D) (Pa (pH) (Condu (COD) (TO (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total POde) (WAD Cy c) (As) (Sb) (detals) (As) (Sb ug short list)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average:	TYPICAL A (8260) (801 (8270D) (Pz (pH) (Condu (COD) (TOut (Total Cyanic (Total Metals (Dissolved M VOC (Boein	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total PO- de) (WAD Cy c) (As) (Sb) (detals) (As) (St ug short list)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average: QUANTITY	TYPICAL A (8260) (801 (8270D) (Pa (pH) (Condu (COD) (TO (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total PO- de) (WAD Cy c) (As) (Sb) (detals) (As) (St ug short list)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR
4 Average:	TYPICAL A (8260) (801 (8270D) (Pa (pH) (Condu (COD) (TO (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	NALYSIS AI 0) (8020) (N AH) (NWTPI uctivity) (TD C) (Total PO- de) (WAD Cy c) (As) (Sb) (detals) (As) (St ug short list)	LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (4) (Total Ki yanide) (Fre (Ba) (Be) (C b) (Ba) (Be) (C	PER BOTTLI (NWTPH-G: TPH-Dx) (TI (BOD) (Turb (iedahl Nitrogo (be Cyanide) (Ca) (Cd) (Co	E TYPE (Circle x) (BTEX) PH-HCID) (808 pidity) (Alkalini en) (NH3) (NC	#DIV/0! applicable or write (1) (8141) (Oil & ty) (HCO3/CO3) (1) (Pb) (Mg) (Mn)	Grease) (Cl) (SO4) (I	analysis below) WA WA WO3) (NO2) (F	OR



Project Nam	ne:	Boeing Ren	ton		Project Number	er:	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 14 /2019@	910		
Sample Nun	nber:	RGW009S-	190814		Weather:	CLEAR			
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PI	URGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.95	Time:	_	Flow through ce	ll vol.		GW Meter No.(SLOPE 10
Begin Purge:	0 0 0			End Purge:		8/ 14 /2019 @	900	Gallons Purged:	0.25
Purge water d			55-gal Drum		Storage Tank	Ground		SITE TREATM	ENT SYSTEM
	Т		_		ODD				
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		tion of Para			readings within tl		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
843	21.1	407.0	0.19	6.32	1.2	LOW	4.95		
846	21.0	407.2	0.17	6.34	-8.3		4.95		
849	21.0	406.6	0.17	6.34	-16.2		4.95		
852	21.0	406.0	0.21	6.35	-27.7				
855	21.0	405.8	0.21	6.35	-32.8				
858	21.0	405.6	0.21	6.35	-37.7				
-									
SAMPLE CO									
Sample Collec	cted With:		Bailer			DED BLADDER			
Made of:		Stainless Ste	_	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/N	S			
Sample Descr	,	_	D.O.		LORLESS NO/N		DTW	Ferrous iron	Comments/
	ription (color,	turbidity, odo		CLEAR CO		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	Cond. (uS/cm) 405.5	D.O. (mg/L) 0.22 0.24	pH 6.36 6.36	ORP (mV) -40.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21 21	Cond. (uS/cm) 405.5 405.6 405.3	D.O. (mg/L) 0.22 0.24	pH 6.36 6.36 6.36	ORP (mV) -40.1 -42.1 -43.1	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21 21 21 21	Cond. (uS/cm) 405.5 405.6 405.3	D.O. (mg/L) 0.22 0.24 0.24	pH 6.36 6.36 6.36 6.36	ORP (mV) -40.1 -42.1 -43.1 -45.7	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 21 21	Cond. (uS/cm) 405.5 405.6 405.3	D.O. (mg/L) 0.22 0.24	pH 6.36 6.36 6.36	ORP (mV) -40.1 -42.1 -43.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21 21 21 21 21 21.0	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24	pH 6.36 6.36 6.36 6.36 6.36	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21 21 21 21 21 21 210 TYPICAL A (8260) (8016)	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS ADD) (8020) (19	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PI	pH 6.36 6.36 6.36 6.36 6.36 (NWTPH-G;	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle :	Turbidity (NTU) #DIV/0!	e non-standard	analysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21 21 21 21.0 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS AI	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINNTPH-G) H-D) (NWT	6.36 6.36 6.36 6.36 6.36 (NWTPH-G: PH-Dx) (TF	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808)	#DIV/0! applicable or writ	e non-standard Grease)	analysis below) WA WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21 21 21 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS AD 0) (8020) (NMTP) activity) (TD	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINWTPH-G) H-D) (NWT	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THE BOD) (Turb	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle :	#DIV/0! applicable or writ () (8141) (Oil & (y) (HCO3/CO3)	e non-standard Grease)	analysis below) WA WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21 21 21 21 21 (8260) (8010 (8270D) (PA (PH) (Conduction) (COD) (TOO	Cond. (uS/cm) 405.5 405.6 405.2 405.4 NALYSIS ADD (8020) (NAH) (NWTP) activity) (TDC) (Total PO	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINUTPH-G) H-D) (NWT S) (TSS) (I	6.36 6.36 6.36 6.36 6.36 (NWTPH-G: PH-Dx) (Tr BOD) (Turb edahl Nitroge	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808)	#DIV/0! applicable or writ () (8141) (Oil & (y) (HCO3/CO3)	e non-standard Grease)	analysis below) WA WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanical Colors)	Cond. (uS/cm) 405.5 405.6 405.2 405.4 NALYSIS Al (0) (8020) (I) (AH) (NWTP) (1001) (Total PO) (1001) (WAD Cy	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kickanide) (Free	6.36 6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (Turbedahl Nitroge	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (N	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21 21 21 (8260) (8016 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 405.5 405.6 405.2 405.4 NALYSIS Al (0) (8020) (IV AH) (NWTP) (activity) (TD (C) (Total PO) (le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidzanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21 21 21 (8260) (8016 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) AH) (NWTP) (activity) (TD (C) (Total PO) (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidzanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) AH) (NWTP) (activity) (TD (C) (Total PO) (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kievanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) (AH) (NWTP) (activity) (TD (C) (Total PO (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl) (g short list)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kievanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21. 21. 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanida (Total Metals) (Dissolved M) VOC (Boein Methane Ether)	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) (AH) (NWTP) (activity) (TD (C) (Total PO (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl) (g short list)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kievanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) (AH) (NWTP) (activity) (TD (C) (Total PO (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl) (g short list)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kievanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) (AH) (NWTP) (activity) (TD (C) (Total PO (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl) (g short list)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kievanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21 21 21 21.0 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 405.5 405.6 405.3 405.2 405.4 NALYSIS Al (0) (8020) (f) (AH) (NWTP) (activity) (TD (C) (Total PO (le) (WAD Cy () (As) (Sb) (etals) (As) (Sl) (g short list)	D.O. (mg/L) 0.22 0.24 0.24 0.24 0.24 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kievanide) (Free Ba) (Be) (C	6.36 6.36 6.36 6.36 6.36 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -40.1 -42.1 -43.1 -45.7 -42.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) (NTU) #DIV/0! Applicable or writ (NTU) #DIV/0!	e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)



Project Nam	ie:	Boeing Ren	iton		Project Number	er:	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	930		
Sample Nun	nber:	RGW012S-	190813		Weather:	CLEAR SUNNY	Y		
Landau Rep	resentative:	SRB							
WATER LEV	EL/WELL/P	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.77	Time:	845	Flow through ce	ll vol.		GW Meter No.(SLOPE 4
Begin Purge:	Date/Time:	8/ 13 /2019	900	End Purge:	Date/Time:	8/ 13 /2019 @	920	Gallons Purged:	0.5
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)	motors for th	(mV)	(NTU) readings within th	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
903	22.0	990	9.74	6.30	-137.6	LOW	4.77		
906	21.9	922	10.17	6.27	-133.9		4.77		
909	22.0	757	11.19	6.17	-119.5		4.77		
912	22.0	743	11.26	6.17	-118.1				
915	22.0	735	11.29	6.16	-117.7				
918	22.0	735	11.30	6.16	-117.6				
SAMPLE CO	LLECTION I	DATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Ste	el 🗖	PVC	Teflon	Polyethylene	Other	Dedicated	
	=						—	_	
Decon Proced	lure:	Alconox Was	_	Tap Rinse	DI Water	Dedicated		_	
Decon Proced (By Numerical		Alconox Was	_		—	Dedicated	—	_	
(By Numerica	ıl Order)	Other	sh 🔲	Tap Rinse	—			_	
(By Numerical Sample Description	al Order)	Other turbidity, odor	r, sheen, etc.)	Tap Rinse	DI Water	S		Ferrous iron	Comments/
(By Numerica	ıl Order)	Other	sh 🔲	Tap Rinse	DI Water		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
(By Numerical Sample Description	al Order) ription (color, Temp	Other turbidity, odor	r, sheen, etc.)	Tap Rinse	DI Water LORLESS NO/N ORP	S Turbidity	DTW		
(By Numerical Sample Description Replicate	ription (color, Temp (°F/°C) 22.0	Cond. (uS/cm) 733	D.O. (mg/L)	Tap Rinse CLEAR CO pH 6.16	DI Water LORLESS NO/N ORP (mV) -117.6	S Turbidity	DTW		
(By Numerical Sample Described Replicate 1 2	th Order) ciption (color, Temp (°F/°C) 22.0 22.0	Cond. (uS/cm) 733 731	D.O. (mg/L) 11.30 11.31	Tap Rinse CLEAR CO pH 6.16 6.16	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5	S Turbidity	DTW		
Replicate 1 2 3	ription (color, Temp (°F/°C) 22.0 22.0 22.0	Cond. (uS/cm) 733 731 731	D.O. (mg/L) 11.30 11.31	Tap Rinse CLEAR CO pH 6.16 6.16 6.16	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5	S Turbidity	DTW		
(By Numerical Sample Described Properties 1 2 3 4	Temp (°F/°C)	Cond. (uS/cm) 733 731 730	D.O. (mg/L) 11.30 11.31 11.31	Tap Rinse CLEAR CO pH 6.16 6.16 6.16 6.16	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.6 -117.4	Turbidity (NTU)	DTW		
Replicate 1 2 3	ription (color, Temp (°F/°C) 22.0 22.0 22.0	Cond. (uS/cm) 733 731 731	D.O. (mg/L) 11.30 11.31	Tap Rinse CLEAR CO pH 6.16 6.16 6.16	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5	S Turbidity	DTW		
Replicate 1 2 3 4 Average:	Color Colo	Cond. (uS/cm) 733 731 730 731 NALYSIS A	D.O. (mg/L) 11.30 11.31 11.31 11.31 LLOWED P	Tap Rinse CLEAR CO pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLI	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle :	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	## Order Temp (°F/°C)	Cond. (uS/cm) 733 731 730 731 NALYSIS AD (0) (8020) (10	D.O. (mg/L) 11.30 11.31 11.31 11.31 LLOWED P	## CLEAR CO PH	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : K) (BTEX)	S Turbidity (NTU) #DIV/0!	DTW (ft)	analysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (P	Cond. (uS/cm) 733 731 730 731 NALYSIS AI 0) (8020) (IAH) (NWTP)	D.O. (mg/L) 11.30 11.31 11.31 11.31 LLOWED PINUTPH-G) H-D) (NWT	## CLEAR CO ## 6.16 6.16 6.16 6.16 6.16 (NWTPH-G; PH-Dx) (TF	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : 8) (BTEX) PH-HCID) (808)	Turbidity (NTU) #DIV/0! applicable or write () (8141) (Oil &	DTW (ft) e non-standard Grease)	analysis below) WA WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (8014) (8270D) (PA	Cond. (uS/cm) 733 731 730 731 NALYSIS AD () (8020) (PAH) (NWTP) () (NWTP) () (NUTP) () (NUT	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1	CLEAR CO pH 6.16 6.16 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turb BOD) (Turb BOD) (Turb BOD)	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : x) (BTEX) PH-HCID) (808) idity) (Alkalinit	#DIV/0! #DIV/0! applicable or write (8141) (Oil & applicable of write)	DTW (ft) e non-standard Grease)	analysis below) WA WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 733 731 730 731 NALYSIS AD () (8020) (NAH) (NWTP) (activity) (TD (C) (Total PO	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (14) (Total Ki	PH-Dx) (Turbedahl Nitroge	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : 8) (BTEX) PH-HCID) (808)	#DIV/0! #DIV/0! applicable or write (8141) (Oil & applicable of write)	DTW (ft) e non-standard Grease)	analysis below) WA WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (P4) (COD) (Total Cyanic	Cond. (uS/cm) 733 731 730 731 NALYSIS Al (0) (8020) (I) (AH) (NWTP) (activity) (TD (C) (Total PO (de) (WAD Cy	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (14) (Total Kizanide) (Free	Tap Rinse CLEAR CO pH 6.16 6.16 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (TER BOD) (Turb edahl Nitroge e Cyanide)	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : 6) (BTEX) PH-HCID) (808) cidity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write () (8141) (Oil & 4) (y) (HCO3/CO3) 3/NO2)	DTW (ft) e non-standard Grease) (CI) (SO4) (N	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (PA) (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 733 731 731 730 731 NALYSIS Al (0) (8020) (NAH) (NWTP) (activity) (TD (C) (Total PO) (de) (WAD Cy () (As) (Sb) (D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1 4) (Total Kidanide) (Free Ba) (Be) (C	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (PA) (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 733 731 731 730 731 NALYSIS Al 0) (8020) (I AH) (NWTP) (activity) (TD C) (Total PO (le) (WAD Cy () (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1 4) (Total Kidanide) (Free Ba) (Be) (C	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (PA (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 733 731 731 730 731 NALYSIS Al 0) (8020) (I AH) (NWTP) (activity) (TD C) (Total PO (le) (WAD Cy () (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P. WYTPH-G) H-D) (NWT S) (TSS) (14) (Total Kider and a control of the c	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (PA (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 733 731 730 731 NALYSIS Al 0) (8020) (P AH) (NWTP) activity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P. WYTPH-G) H-D) (NWT S) (TSS) (14) (Total Kider and a control of the c	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 22.0 (Second Second	Cond. (uS/cm) 733 731 730 731 NALYSIS Al 0) (8020) (P AH) (NWTP) activity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P. WYTPH-G) H-D) (NWT S) (TSS) (14) (Total Kider and a control of the c	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (PA (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 733 731 730 731 NALYSIS Al 0) (8020) (P AH) (NWTP) activity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P. WYTPH-G) H-D) (NWT S) (TSS) (14) (Total Kider and a control of the c	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (P/ (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 733 731 730 731 NALYSIS Al 0) (8020) (P AH) (NWTP) activity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED P. WYTPH-G) H-D) (NWT S) (TSS) (14) (Total Kider and a control of the c	PH-Dx) (Turbedahl Nitroge e Cyanide) CLEAR CO pH 6.16 6.16 6.16 (NWTPH-G: PH-Dx) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.4 -117.5 E TYPE (Circle : k) (BTEX) PH-HCID) (808) didity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (S141) (Oil & V) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	DTW (ft) e non-standard Grease) (Cl) (SO4) (Ni) (Ag) (Se)	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	ription (color, Temp (°F/°C) 22.0 22.0 22.0 22.0 22.0 22.0 (8260) (801) (8270D) (Pz (pH) (Condu (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 733 731 730 731 NALYSIS Al (0) (8020) (I AH) (NWTP) (1001) (Total PO (1001) (AS) (Sb) ((1001) (D.O. (mg/L) 11.30 11.31 11.31 11.31 11.31 LLOWED PINUTPH-G) H-D) (NWT S) (TSS) (1 4) (Total King and a green with the second of the sec	pH 6.16 6.16 6.16 6.16 6.16 ER BOTTLI (NWTPH-G) PH-Dx) (TIPBOD) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	DI Water LORLESS NO/N ORP (mV) -117.6 -117.5 -117.6 -117.4 -117.5 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit en) (NH3) (NO	#DIV/0! #DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NEC) (NEC) (NEC) (PLOS/COS) (PLOS/COS) (PLOS/COS) (PLOS/COS) (PLOS/COS) (PLOS/COS) (PLOS/COS)	DTW (ft) e non-standard Grease) (Cl) (SO4) (I	analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ (Hg) (K) (Na)



Project Nam	ne:	Boeing Rer	iton		Project Number	r:	0025217.099.0	199	
Event:			august 2019		Date/Time:	8/13 /2019@	900		
Sample Nun	nber:	RGW014S-	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							
WATER LEV	VEL/WELL/PI	URGE DATA							
Well Condition	on:	Secure (YES	()	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.78	Time:	825	Flow through ce	ll vol.		GW Meter No.(s SLOPE 4
Begin Purge:	Date/Time:	8/ 13 /2019	830	End Purge:	Date/Time:	8/ 13 /2019 @	842	Gallons Purged:	0.5
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT 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
						readings within th		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
833	21.4	397.2	6.52	6.36	-63.4	LOW	4.8		
836	21.4	395.1	6.71	6.37	-65.0		4.8		
839	21.4	391.4	6.77	6.38	-67.8		4.8		
	· 								
							-		
	· · <u>· · · · · · · · · · · · · · · · · </u>								
	LLECTION I								
Sample Colle	cted With:		Bailer			DED BLADDER		_	
Made of:	<u> </u>	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
Sample Descr	ription (color,	turbidity, odo	r, sheen, etc.):	CLEAR CO	I ORI ESS NO/N	S			
	1 ,	•	· · · · · ·		LOKELSS NO/N				
Replicate			-				DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
-	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
1	Temp (°F/°C)	Cond. (uS/cm) 390.5	D.O. (mg/L)	рН 6.38	ORP (mV) 68.1	Turbidity			
1 2	Temp (°F/°C) 21.4 21.4	Cond. (uS/cm) 390.5 389.8	D.O. (mg/L) 6.77	pH 6.38 6.38	ORP (mV) -68.1	Turbidity			
1	Temp (°F/°C)	Cond. (uS/cm) 390.5 389.8 389.4	D.O. (mg/L) 6.77 6.76	pH 6.38 6.38 6.38	ORP (mV) 68.1	Turbidity			
1 2	Temp (°F/°C) 21.4 21.4	Cond. (uS/cm) 390.5 389.8	D.O. (mg/L) 6.77	pH 6.38 6.38	ORP (mV) -68.1	Turbidity			
1 2 3	Temp (°F/°C) 21.4 21.4 21.4	Cond. (uS/cm) 390.5 389.8 389.4	D.O. (mg/L) 6.77 6.76	pH 6.38 6.38 6.38	ORP (mV) -68.1 -68.7	Turbidity			
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7	D.O. (mg/L) 6.77 6.77 6.76 6.79	6.38 6.38 6.38 6.38 6.38	ORP (mV) -68.1 -68.7 -69.1 -69.6	Turbidity (NTU)	(ft)	(Fe II)	Observations
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 TYPICAL A	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7	D.O. (mg/L) 6.77 6.76 6.79 6.77	6.38 6.38 6.38 6.38 6.38 ER BOTTLI	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 TYPICAL A (8260) (801)	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (1	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P	6.38 6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle :	Turbidity (NTU) #DIV/0!	(ft)	analysis below)	Observations
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 (8260) (801) (8270D) (Pz	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (104H) (NWTP	D.O. (mg/L) 6.77 6.76 6.76 6.79 6.77 LLOWED P	6.38 6.38 6.38 6.38 6.38 6.38 6.70 6.38 6.38 6.38 6.38 6.38 6.38 6.38	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle :	Turbidity (NTU) #DIV/0!	e non-standard	analysis below) WA WA WA	Observations OR □ OR □
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (8010) (8270D) (Pz (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A (0) (8020) (I (AH) (NWTP) (activity) (TD (C) (Total PO	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (J	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G2) PH-Dx) (TFBOD) (Turbedahl Nitroge	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle :	#DIV/0! #pplicable or write () (8141) (Oil & y) (HCO3/CO3)	e non-standard	analysis below) WA WA WA	Observations OR □ OR □
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Conduction) (COD) (Total Cyanic	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP Lictivity) (TD C) (Total PO Lictivity) (WAD C)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (194) (Total Kityanide) (Free	6.38 6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G2) PH-Dx) (TFBOD) (Turbedahl Nitroge	ORP (mV) -68.1 -68.7 -69.6 -69.6 -68.9 E TYPE (Circle : 60) (BTEX) PH-HCID) (808) (idity) (Alkalinit on) (NH3) (NO	#DIV/0! #DIV/0! applicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2)	e non-standard Grease) (CI) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □ OR □
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (8010) (8270D) (P/(pH) (Condu (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C) 1) (As) (Sb)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1 4) (Total Ki yanide) (Free (Ba) (Be) (C	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitrogenetation) et al. (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (8010) (8270D) (P/ (pH) (Condo) (COD) (Total Cyanic) (Total Metals) (Dissolved M	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C) () (As) (Sb) (setals) (As) (Sl)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1 4) (Total Ki yanide) (Free (Ba) (Be) (C	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitrogenetation) et al. (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR □ OR □ OR □ OR □
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (801) (8270D) (Pz (pH) (Condu (COD) (Total Cyanic (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A (0) (8020) (I (AH) (NWTP) (Ictivity) (TD (C) (Total PO (de) (WAD C) (de) (AS) (Sb) (detals) (AS) (Sl) (g short list)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P. WTPH-G) H-D) (NWT S) (TSS) (14) (Total Kit yanide) (Free (Ba) (Be) (Co) (Ba) (Be) (Co)	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitrogenetation) et al. (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (801) (8270D) (Pz (pH) (Condu (COD) (Total Cyanic (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C) () (As) (Sb) (setals) (As) (Sl)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P. WTPH-G) H-D) (NWT S) (TSS) (14) (Total Kit yanide) (Free (Ba) (Be) (Co) (Ba) (Be) (Co)	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitrogenetation) et al. (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (801) (8270D) (Pz (pH) (Condu (COD) (Total Cyanic (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A (0) (8020) (I (AH) (NWTP) (Ictivity) (TD (C) (Total PO (de) (WAD C) (de) (AS) (Sb) (detals) (AS) (Sl) (g short list)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P. WTPH-G) H-D) (NWT S) (TSS) (14) (Total Kit yanide) (Free (Ba) (Be) (Co) (Ba) (Be) (Co)	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitrogenetation) et al. (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average:	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 (8260) (801) (8270D) (Pz (pH) (Condu (COD) (Total Cyanic (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A (0) (8020) (I (AH) (NWTP) (Ictivity) (TD (C) (Total PO (de) (WAD C) (de) (AS) (Sb) (detals) (AS) (Sl) (g short list)	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P. WTPH-G) H-D) (NWT S) (TSS) (14) (Total Kit yanide) (Free (Ba) (Be) (Co) (Ba) (Be) (Co)	6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitrogenetation) et al. (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 21.4 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Conda (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C)) (As) (Sb) (detals) (As) (Sl) g short list) nane Ethene A	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1 4) (Total Ki yanide) (Free (Ba) (Be) (C	pH 6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 21.4 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Conda (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C)) (As) (Sb) (detals) (As) (Sl) g short list) nane Ethene A	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P. WTPH-G) H-D) (NWT S) (TSS) (14) (Total Kit yanide) (Free (Ba) (Be) (Co) (Ba) (Be) (Co)	pH 6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.4 21.4 21.4 21.4 21.4 21.4 21.4 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Conda (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 390.5 389.8 389.4 388.9 389.7 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C)) (As) (Sb) (detals) (As) (Sl) g short list) nane Ethene A	D.O. (mg/L) 6.77 6.76 6.79 6.77 LLOWED P NWTPH-G) H-D) (NWT S) (TSS) (1 4) (Total Ki yanide) (Free (Ba) (Be) (C	pH 6.38 6.38 6.38 6.38 6.38 ER BOTTLI (NWTPH-G) PH-Dx) (TFBOD) (Turbedahl Nitroge e Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -68.1 -68.7 -69.1 -69.6 -68.9 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit in) (NH3) (NO	#DIV/0! #pplicable or writ (8141) (Oil & y) (HCO3/CO3) 3/NO2) (Pb) (Mg) (Mn)	e non-standard Grease) (Cl) (SO4) (I	wA NO3) (NO2) (F	Observations OR OR OR OR OR OR OR OR OR OR



Project Nan	ne:	Boeing Ren	iton		Project Numb	e <u>r:</u>	0025217.099.0)99	
Event:		Quarterly A			Date/Time:	8/ 13 /2019@		800	
Sample Nur	-	RGWDUP4	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	oresentative:	SRB							
WATER LE'	VEL/WELL/P	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	IO)	Describe:			
DTW Before	Purging (ft)		Time:		Flow through co	ell vol.		GW Meter No.(SSLOPE 4
Begin Purge:	Date/Time:	8/ 13 /2019	@	End Purge:	Date/Time:	8/ 13 /2019 @		Gallons Purged:	0.5
Purge water of	disposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT 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
			tion of Para			readings within th		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
	-	DUF	PLICA	ATE T	CO RG'	W014S			
	-					. ———	-		
								·	
					-				
	OLLECTION I								
Sample Colle	ected With:		Bailer		Pump/Pump Typ	e DED BLADDER		<u>-</u>	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other	_	1					
	*		14- \	CLEARCO	LODI ECC NOA	IC .			
Sample Desc	ription (color,	turbiaity, odoi	, sneen, etc.)	CLEAR CO	LORLESS NO/N	13			
Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	(°F/°C)	(uS/cm)	(mg/L)	pm	(mV)	(NTU)	(ft)	(Fe II)	Observations
1	, í			6 29	, ,	(/			
1	21.4	390.2	6.76	6.38	-68.5				
2	21.4	389.6	6.78	6.38	-68.9				
3	21.4	388.9	6.79	6.38	-68.8				
4	21.4	388.7	6.79	6.38	-69.8				
Average:	21.4	389.4	6.78	6.38	-69.0	#DIV/0!	-		
OUANTITY	TYPICAL A	NALYSIS A	LLOWED P	ER BOTTLI	E TYPE (Circle	applicable or write	e non-standard	analysis below)	
3	1	0) (8020) (1				applicable of with	o iioii suuiiuui u	WA □	OR 🗆
	1			-		1) (8141) (Oil &	Granca)	WA 🗆	OR 🗆
	1								
						ty) (HCO3/CO3)	(CI) (3O4) (I	NO3) (NO2) (F	·)
1	· · · · ·		, ,		en) (NH3) (NC	03/NO2)			
	<u> </u>	le) (WAD Cy		•					
	1					(Pb) (Mg) (Mn)			
	(Dissolved M	etals) (As) (St	o) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl)	(V) (Zn) (Hg) (K	(Na) (Hardness) (Si
	VOC (Boein	ng short list)							
	Methane Eth	nane Ethene A	cetylene						
	others								
I									
Duplicate Sa	mple No(s):	Duplicate to	RGW014S						
Duplicate Sar Comments:	mple No(s):	Duplicate to	RGW014S						
•	mple No(s): SRB	Duplicate to	RGW014S			Date:	8/13/2019		



Sample Number: RGW1478-190813 Weather: CLEAR SUNNY	Project Nam	ne:	Boeing Rer	iton		Project Number	e <u>r:</u>	0025217.099.0	199	
Landau Representative: SRB SAB S	Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1000		
WAITER LEVELAWELLA PURISED Secure YUES Damaged (NO) Describe: Secure YUES Damaged (NO) Describe: Secure YUES Secure YUES Damaged (NO) Describe: Secure YUES Secure YUES Damaged (NO) Describe: Secure YUES Se	Sample Nun	nber:	RGW147S	190813		Weather:	CLEAR SUNN	Y		
Description	Landau Rep	resentative:	SRB							
Description	WATER LEV	/EL/WELL/PI	URGE DATA							
Begin Purger Dale/Timer 24 13 2019 930 End Purger Dale/Timer 2413 72019 950 Gallons Purger 0.5	Well Condition	on:	Secure (YES	5)	Damaged (N	(O)	Describe:			
Begin Purger Dale/Timer 24 13 2019 930 End Purger Dale/Timer 2413 72019 950 Gallons Purger 0.5	DTW Before	Purging (ft)	4.4	Time:	925	Flow through ce	ll vol.	'	GW Meter No.(SSLOPE 4
Time			8/ 13 /2019	930				950		
Time	Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT SYSTEM
Time		Tomn	Cond	D.O.	ъU	OPP	Turbidity	DTW	Internal Durge	Comments
1	Time				pm		•		U	
933										
936		+/- 3%	+/- 3%	+/- 10%				< 0.3 ft	through cell	
939 20.4 99.2 4.84 5.94 8.7 4.4 942 20.3 94.1 4.89 5.93 7.0 945 20.4 94.0 49.0 5.93 6.7 948 20.4 93.1 4.92 5.93 5.9 SAMPLE COLLECTION DATA Sample Collected With:	933	20.4	115.3	4.67	5.94	12.5	LOW	4.4		
942 20.3 94.1 4.89 5.93 7.0 945 20.4 94.0 4.90 5.93 6.7 948 20.4 93.1 4.92 5.93 5.9 SAMPLE COLLECTION DATA Sample Collected With:	936	20.4	102.9	4.82	5.93	9.5		4.4		
SAMPLE COLLECTION DATA	939	20.4	99.2	4.84	5.94	8.7		4.4		
SAMPLE COLLECTION DATA	942	20.3	94.1	4.89	5.93	7.0				
SAMPLE COLLECTION DATA	945	20.4	94.0	4.90	5.93	6.7				
Sample Collected With: Bailer Pump/Pump Type DED BLADDER									·	
Sample Collected With:		20.4		7.72	3.73			-		
Sample Collected With:										
Sample Collected With:										
Made of: Stainless Steel □ PVC □ Teflon □ Polyethylene □ Other □ Dedicated Decon Procedure: □ Alconox Wash □ Tap Rinse □ Dt Water □ Dedicated Sample Description (color, turbidity, odor, sheen, etc.): CLEAR COLORLESS NO/NS Replicate Temp Cond. (Mycm) D.O. pH ORP (mV) Turbidity (NTU) DTW Ferrous iron (Fe II) Comments/Observations 1 20.4 92.4 4.92 5.93 5.6 □ University □ University University Observations 3 20.4 92.5 4.92 5.93 5.6 □ University □ Univ				D-:1		D /D T	- DED DI ADDED			
Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated	_	cted with:		_	_			Othor	Dadicated	
Company Comp		. =		_		_	_	□ Other	Dedicated	
Sample Description (color, turbidity, odor, sheen, etc.): CLEAR COLORLESS NO/NS				sh 📋	Tap Rinse	DI Water	Dedicated			
Replicate Temp Cond. D.O. pH ORP Turbidity DTW Ferrous iron Comments/ (PF°C) (uS/cm) (mg/L) (mV) (NTU) (ft) (ft) (Fe II) Observations		,		1 ()	CLEAR CO	LODI EGG NOW				
CFFC (uS/cm) (mg/L) (mV) (NTU) (ft) (Fe II) Observations	Sample Descr	npuon (color,	turbiaity, oao	r, sneen, etc. <u>):</u>	CLEAR CO.	LORLESS NO/N	3			
2 20.4 92.5 4.92 5.93 5.4 4 20.4 92.2 4.92 5.93 5.4 Average: 20.4 92.4 4.92 5.93 5.5 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA □ OR □ (8270D) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA □ OR □ (PH) (Conductivity) (TDS) (TSS) (BDD) (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) (TI) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Hardness) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Comments:	Replicate				pН		•			
3	1	20.4	92.4	4.92	5.93	5.7				
3	2	20.4	92.5	4.92	5.93	5.6			-	
4 20.4 92.2 4.92 5.93 5.5 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR OR (8270D) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR 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) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Hardness) (Si VOC (Boeing short list) Methane Ethene Acetylene Duplicate Sample No(s): Comments:	3	20.4		4 93	5.93	5.4				
Average: 20.4 92.4 4.92 5.93 5.5 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR (8270D) (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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene Others Duplicate Sample No(s): Comments:									·	
QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA □ OR □ (8270D) (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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:		-					#DIV/01	-		
3 (8260) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA ☐ OR ☐ (8270D) (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 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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene Others Duplicate Sample No(s): Comments:	Average.	20.4	92.4	4.92	3.93	3.3	#D1V/0:			
(8270D) (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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:							applicable or write	e non-standard		
(pH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F) (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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:	3						(0141) (01.0	C)		_
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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:										_
(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) (Si VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:	1							(CI) (3O4) (I	(103) (102) (1	')
(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) (Si VOC (Boeing short list) Methane Ethane Ethane Acetylene others Duplicate Sample No(s): Comments:		`				<u> </u>	3/1(02)			
VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:		(Total Metals) (As) (Sb)	(Ba) (Be) (Ca	a) (Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn)	(Ni) (Ag) (Se)	(Tl) (V) (Zn)	(Hg) (K) (Na)
Methane Ethane Ethane Acetylene others Duplicate Sample No(s): Comments:		(Dissolved M	etals) (As) (Sl	o) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni	(Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
others Duplicate Sample No(s): Comments:		VOC (Boein	g short list)							
Duplicate Sample No(s): Comments:		Methane Eth	ane Ethene A	cetylene						
Duplicate Sample No(s): Comments:										
Duplicate Sample No(s): Comments:		-41								
Comments:		others								
	D1: 4 - C									
	Comments:	mple No(s):								



Project Nam	ne:	Boeing Ren	iton		Project Number	r:	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1220		
Sample Nun	nber:	RGW149S-	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PI	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.84	Time:	1140	Flow through ce	ll vol.		GW Meter No.(s SLOPE 4
Begin Purge:		8/ 13 /2019	1150	End Purge:		8/ 13 /2019 @	1210	Gallons Purged:	0.5
Purge water of	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT 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
						readings within th		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1153	19.9	277.0	1.91	6.50	-53.7	LOW	4.84		
1156	19.8	277.1	2.34	6.50	-60.3		4.84		
1159	19.8	276.8	2.49	6.48	-61.9		4.84		
1202	19.6	274.1	2.81	6.50	-67.4				
1205	19.6	273.6	2.84	6.51	-68.0			-	
1208		271.7	2.93	6.51	-69.5				
1200	17.0	271.7	2.75	0.51	07.5		_		
-	· 							· 	
CAMPLE CC	LI ECTION I								
Sample Colle	OLLECTION I		Bailer		Dump/Dump Typ	DED BLADDER			
Made of:	cieu wiiii.	□ Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
	. =	•	_		_	_		Dedicated	
Decon Proced		Alconox Wa	sn 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica	,	Other	14- \	CLEAD CO	LODI ECC NO/N	<u> </u>			
Sample Desci	ription (color,	turbiaity, odo	r, sneen, etc. <u>):</u>	CLEAR CO.	LORLESS NO/N	3			
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	19.5	271.4	2.93	6.51	-69.8				
2	19.5	271.0	2.95	6.51	-70.0			-	
3	19.5	270.2	2.96	6.51	-70.4				
4	19.5	270.0	2.97	6.51	-70.6			·	
				6.51	-70.2	#DIV/01			
Average:	19.5	270.7	2.95	0.31	-70.2	#DIV/0!			
_						applicable or write	e non-standard		
3		0) (8020) (1	-			. (01.11) (011.0	<u> </u>	WA L	OR 🗆
						(8141) (Oil &		WA 🗆	OR 🗆
1					n) (NH3) (NO	y) (HCO3/CO3) 3/NO2)	(CI) (SO4) (I	NO3) (NO2) (I	`)
-	`	le) (WAD C			31) (1113) (110	3/11(02)			
	` •				(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn)	(Ni) (Ag) (Se)	(Tl) (V) (Zn)	(Hg) (K) (Na)
	(Dissolved M	etals) (As) (Sl	o) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni	(Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
	VOC (Boein	ng short list)							
	Methane Eth	nane Ethene A	cetylene						`
	others								
D 11 . 0									
•	mple No(s):								
Comments: Signature:	mple No(s): SRB					Date:	8/13/2019		



Project Nam	ne:	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		Quarterly A	august 2019		Date/Time:	8/ 13 /2019@	1100		
Sample Nun	nber:	RGW150S-	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PI	URGE DATA							
Well Condition	on:	Secure (YES	5)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.67	Time:	1020	Flow through ce	ll vol.		GW Meter No.(SSLOPE 4
Begin Purge:		8/ 13 /2019	1030	End Purge:	_	8/ 13 /2019 @	1050	Gallons Purged:	0.5
Purge water d			55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT 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
						readings within th		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1033	23.5	388.8	3.09	6.43	-44.0	LOW	4.81		
1036	23.5	393.6	4.20	6.44	-54.8		4.85		
1039	23.5	395.3	4.50	6.44	-57.2		4.85		
1042	23.3	397.8	4.87	6.45	-60.5				
1045	23.4	398.0	4.95	6.45	-61.3				
1048	23.5	398.0	4.93	6.45	-61.9				
1040		370.0	4.73	0.43	-01.5				
	LLECTION I		Bailer		D /D T	DED BLADDED			
Sample Colle Made of:	cted with:	Stainless Ste		PVC	Pump/Pump Type Teflon	DED BLADDER	Other	Dedicated	
	. =		_			Polyethylene	□ Other	Dedicated	
Decon Proced		Alconox Wa	sh 📙	Tap Rinse	DI Water	Dedicated			
(By Numerica	,	Other	1 ()	CLEAR CO	LODI EGG NOW	g			
Sample Desci	npuon (color,	turbiaity, oaoi	r, sneen, etc.)	CLEAR CO	LORLESS NO/N	3			
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	23.4	398.7	4.97	6.45	-62.1				
2	23.4	398.5	4.96	6.45	-62.4				
3	23.4	398.6	4.98	6.45	-62.5				
4	23.4	399.4	4.98	6.46	-62.7				
Average:	23.4	398.8	4.97	6.45	-62.4	#DIV/0!			
_					,	applicable or write	e non-standard		
3		0) (8020) (1		-		\ (01.41\) (01.0	<i>C</i> \	WA L	OR 🗆
						y) (8141) (Oil & y) (HCO3/CO3)		WA 🗆	OR 🗆
1		•			en) (NH3) (NO		(CI) (3O4) (I	103) (1102) (1	.)
	`	le) (WAD C			<u> </u>	5/11(02)			
				a) (Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn)	(Ni) (Ag) (Se)	(Tl) (V) (Zn)	(Hg) (K) (Na)
	(Total Metals	(As) (Sb)	(Ba) (Be) (C	a_j (Ca) (Co,					
					(Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni	(Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
		etals) (As) (Sl) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni)) (Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
	(Dissolved M VOC (Boein	etals) (As) (Sl	o) (Ba) (Be) () (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
	(Dissolved M VOC (Boein	etals) (As) (Sl g short list)	o) (Ba) (Be) () (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
	(Dissolved M VOC (Boein Methane Eth	etals) (As) (Sl g short list)	o) (Ba) (Be) () (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
	(Dissolved M VOC (Boein	etals) (As) (Sl g short list)	o) (Ba) (Be) () (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si
Duplicate Sar	(Dissolved M VOC (Boein Methane Eth others	etals) (As) (Sl g short list)	o) (Ba) (Be) () (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI)	(V) (Zn) (Hg) (K) (Na) (Hardness) (Si



Project Nam	ne:	Boeing Ren	iton		Project Number	e <u>r:</u>	0025217.099.0	199	
Event:		Quarterly A			Date/Time:	8/13 /2019@	1150		
Sample Nun	-	RGW252S-	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/P	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.66	Time:	1115	Flow through ce	ll vol.		GW Meter No.(SLOPE 4
Begin Purge:	Date/Time:	8/ 13 /2019	1120	End Purge:	Date/Time:	8/ 13 /2019 @	1135	Gallons Purged:	0.5
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT 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
						readings within th		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
1123	23.3	629	2.74	6.67	-100.8	LOW	4.66		
1126	23.7	656	2.96	6.70	-114.9		4.66		
1129	23.7	657	2.99	6.70	-115.6		4.66		
1132	23.8	661	3.04	6.70	-118.2				
						-			
-					-				-
SAMPLE CO	I I ECTION I								
Sample Collection			Bailer		Pump/Pump Typ	e DED BLADDER			
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	_	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other	··· •	rup ranse	□ Di Water	Dedicated			
		_	r sheen etc.):	SLIGHTI Y	GRAY AND TU	RRID NO/NS			
Sumple Beser	iption (color,	taroranty, odo	, sneen, etc. <u>).</u>	<u> </u>	GIGIT THE TO	REID TIONIS			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
1	23.9	663	3.08	6.71	-199.8		-		
2	23.9	664	3.09	6.71	-120.1				
3	23.9	665	3.11	6.71	-120.4				
4	23.9	665	3.12	6.71	-120.8				
Average:	23.9	664	3.10	6.71	-140.3	#DIV/0!			
							-		-
						applicable or write	e non-standard		on [
3	, ,	0) (8020) (Î		`		1) (8141) (Oil &	Cmana)	WA □ WA □	OR OR
						y) (HCO3/CO3)			
1					en) (NH3) (NO		(61) (501) (1	(102) (1	,
		le) (WAD Cy				,			
	(Total Metals) (As) (Sb) ((Ba) (Be) (C	a) (Cd) (Co) (Cr) (Cu) (Fe)	(Pb) (Mg) (Mn)	(Ni) (Ag) (Se)	(Tl) (V) (Zn)	(Hg) (K) (Na)
	(Dissolved M	etals) (As) (Sl	b) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni	(Ag) (Se) (Tl)	(V) (Zn) (Hg) (K) (Na) (Hardness) (S
	VOC (Boein								
	Methane Eth	nane Ethene A	cetylene						
	others								
	CHICIS								
Duplicate Sar Comments:	mple No(s):	MSMSD Loc	cation						
Signature:	SRB					Date:	8/13/2019		



Project Nam	ne:	Boeing Rer	iton		Project Number	e <u>r:</u>	0025217.099.0)99	
Event:		Quarterly A	august 2019		Date/Time:	8/13 /2019@	1130		
Sample Nun	-	RGW253I-	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							
WATER LEV	VEL/WELL/P	URGE DATA							
Well Condition	on:	Secure (YES	5)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.73	Time:	1045	Flow through ce	ll vol.		GW Meter No.(SLOPE 4
Begin Purge:	Date/Time:	8/ 13 /2019	1100	End Purge:	Date/Time:	8/ 13 /2019 @	1117	Gallons Purged:	0.5
Purge water o	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
			ntion of Para		. ,	readings within th	. ,	>/= 1 flow	O DSCI VILLIONS
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1103	21.5	348.1	2.96	6.47	76.0	LOW	4.73		
1106	21.3	366.1	3.23	6.50	-82.0		4.73		
1109	21.1	380.4	3.32	6.54	-88.5		4.73		
1112	21.0	386.1	3.41	6.56	-92.8				
1115					-96.3			-	
1113	20.8	387.5	3.50	6.57	-90.3				
SAMPLE CO	LLECTION I								
Sample Colle	cted With:		Bailer	_		DED BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
Sample Descr	ription (color,	turbidity, odo	r, sheen, etc.):	SLIGHTLY	GRAY AND TU	RBID NO/NS			
							DOWN	E	Commental
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	SLIGHTLY pH	ORP (mV)	RBID NO/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) 387.4	D.O. (mg/L)	рН 6.57	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 20.8 20.8	Cond. (uS/cm) 387.4 387.4	D.O. (mg/L) 3.52 3.52	pH 6.57 6.57	ORP (mV) -96.6	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 20.8 20.8 20.8 20.7	Cond. (uS/cm) 387.4 387.4 387.3 387.2	D.O. (mg/L) 3.52 3.52 3.53 3.55	pH 6.57 6.57 6.57 6.57	ORP (mV) -96.6 -96.8 -96.9	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53	pH 6.57 6.57 6.57 6.57 6.57	ORP (mV) -96.6 -96.8 -96.9 -97.0	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53	pH 6.57 6.57 6.57 6.57 6.57 6.57	ORP (mV) -96.6 -96.8 -97.0 -96.8 E TYPE (Circle :	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801)	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (1	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G)	pH 6.57 6.57 6.57 6.57 6.57 6.57 (NWTPH-G;	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle :	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.8 20.8 20.7 20.8 (8260) (801) (8270D) (P/	Cond. (uS/cm) 387.4 387.3 387.3 387.2 387.3 NALYSIS A 0) (8020) (104H) (NWTP	D.O. (mg/L) 3.52 3.53 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT	6.57 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G:	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (a) (BTEX) PH-HCID) (808)	#DIV/0!	(ft)	(Fe II)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (8010) (8270D) (PA) (pH) (Conduction)	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (IAH) (NWTP) uctivity) (TD	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT	6.57 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (Turb	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (A) (BTEX) PH-HCID) (808) idity) (Alkalinit	#DIV/0! applicable or write () (8141) (Oil & (y) (HCO3/CO3)	(ft)	(Fe II)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (P/O) (PH) (Conduction) (COD) (TOO)	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (IAH) (NWTP) uctivity) (TD	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT	6.57 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (TI BOD) (Turbedahl Nitroge	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (a) (BTEX) PH-HCID) (808)	#DIV/0! applicable or write () (8141) (Oil & (y) (HCO3/CO3)	(ft)	(Fe II)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (PA (pH) (Conduction) (COD) (Tool) (Total Cyanic	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (I AH) (NWTP (uctivity) (TD (C) (Total PO (le) (WAD C)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (194) (Total Kinganide) (Freedynamics)	6.57 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (Turb edahl Nitroge c Cyanide)	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : 6) (BTEX) PH-HCID) (808) idity) (Alkalinit on) (NH3) (NO	#DIV/0! applicable or write () (8141) (Oil & (y) (HCO3/CO3)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) l analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (P/ (pH) (Cond) (COD) (Total Cyanic) (Total Metals)	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C)) (As) (Sb)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free (Ba) (Be) (C	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (P/ (pH) (Cond) (COD) (Total Cyanic) (Total Metals)	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C) () (As) (Sb) (setals) (As) (Sl)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free (Ba) (Be) (C	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (PA (COD) (TOd (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A 0) (8020) (I AH) (NWTP activity) (TD C) (Total PO de) (WAD C) () (As) (Sb) (setals) (As) (Sl)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT (S) (TSS) (I) (4) (Total Kidyanide) (Free (Ba) (Be) (C) (b) (Ba) (Be) (C)	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (PA (COD) (TOd (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A (0) (8020) (I (1) (NWTP) (1) (Total PO (2) (As) (Sb) (1) (etals) (As) (Sl) (1) (g short list)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT (S) (TSS) (I) (4) (Total Kidyanide) (Free (Ba) (Be) (C) (b) (Ba) (Be) (C)	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanical Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A (0) (8020) (I (1) (NWTP) (1) (Total PO (2) (As) (Sb) (1) (etals) (As) (Sl) (1) (g short list)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT (S) (TSS) (I) (4) (Total Kidyanide) (Free (Ba) (Be) (C) (b) (Ba) (Be) (C)	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (PA (COD) (TOd (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A (0) (8020) (I (1) (NWTP) (1) (Total PO (2) (As) (Sb) (1) (etals) (As) (Sl (1) (sg short list)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT (S) (TSS) (I) (4) (Total Kidyanide) (Free (Ba) (Be) (C) (b) (Ba) (Be) (C)	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 1	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (P/ (pH) (Conda (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A (0) (8020) (I (1) (NWTP) (1) (Total PO (2) (As) (Sb) (1) (etals) (As) (Sl (1) (sg short list)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT (S) (TSS) (I) (4) (Total Kidyanide) (Free (Ba) (Be) (C) (b) (Ba) (Be) (C)	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.8 20.8 20.8 20.7 20.8 TYPICAL A (8260) (801) (8270D) (P/ (pH) (Conda (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 387.4 387.4 387.3 387.2 387.3 NALYSIS A (0) (8020) (I (1) (NWTP) (1) (Total PO (2) (As) (Sb) (1) (etals) (As) (Sl (1) (sg short list)	D.O. (mg/L) 3.52 3.52 3.53 3.55 3.53 LLOWED PINWTPH-G) H-D) (NWT (S) (TSS) (I) (4) (Total Kidyanide) (Free (Ba) (Be) (C) (b) (Ba) (Be) (C)	pH 6.57 6.57 6.57 6.57 6.57 ER BOTTLI (NWTPH-G: PH-Dx) (THBOD) (Turbedahl Nitroge et Cyanide) a) (Cd) (Co	ORP (mV) -96.6 -96.8 -96.9 -97.0 -96.8 E TYPE (Circle : (x) (BTEX) PH-HCID) (808) idity) (Alkalinit m) (NH3) (NO	#DIV/0! applicable or write (NTU) (NTU) #DIV/0! applicable or write (NTU) (NTU)	e non-standard Grease) (Cl) (SO4) (I	(Fe II) analysis below) WA WA NO3) (NO2) (F	Observations OR □ OR □ (Hg) (K) (Na)



Project Nam	ie:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1040		
Sample Nun	nber:	RGW254S-	190813		Weather:	CLEAR SUNN	Y		
Landau Rep	resentative:	SRB							
WATER LEV	EL/WELL/PI	URGE DATA							
Well Condition	n:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	4.82	Time:	1005	Flow through ce	ll vol.		GW Meter No.(SLOPE 4
Begin Purge:		8/ 13 /2019	1010	End Purge:	_	8/ 13 /2019 @	1033	Gallons Purged:	0.5
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)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
						readings within th		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1013	20.0	478	0.18	6.55	-86.9	LOW	4.85		
1016	21.3	554	0.78	6.63	-108.7		4.85		
1019	21.6	579	1.30	6.66	-114.6		4.85		
1022	21.6	582	1.46	6.66	-115.9				
1025	21.7	601	2.32	6.68	-121.9				
1028	21.6	604	2.45	6.69	-123.0				
							-		
1031	21.7	608	2.67	6.69	-124.6				
C LA FOX F. CO	T T COTTON T								
SAMPLE CO			Bailer		Duma/Duma Tum	DED DI ADDED			
Sample Collection Made of:	cied with:	Stainless Ste		PVC	Teflon	DED BLADDER Polyethylene	Other	Dedicated	
	. —	ı	_			_		Dedicated	
Decon Proced	_	Alconox Wa	sn 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica	*	Other	14- \-	CLEAD CO	LODI ECC NOW	c c			
Sample Desci	iption (color,	turbiuity, odo	i, siiceii, etc. <u>).</u>	CLEAR CO.	LORLESS NO/N	3			
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	21.7		2.72						
2		608	2.72	6.69	-124.8				
2	21.8	608	2.72	6.69	-124.8 -125.3				
		611	2.78	6.69	-125.3				
3	21.8	611	2.78	6.69	-125.3 -125.6				
3 4	21.8	611 611 611	2.78 2.82 2.86	6.69 6.70 6.70	-125.3 -125.6 -126.0	#DIV/01			
3 4 Average:	21.8 21.8 21.8	611 611 610	2.78 2.82 2.86 2.80	6.69 6.70 6.70	-125.3 -125.6 -126.0 -125.4	#DIV/0!			
3 4 Average:	21.8 21.8 21.8 TYPICAL A	611 611 610 NALYSIS A	2.78 2.82 2.86 2.80 LLOWED PI	6.69 6.70 6.70 6.70 ER BOTTLI	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle	#DIV/0!	e non-standard		
3 4 Average:	21.8 21.8 21.8 TYPICAL A (8260) (8010	611 611 610 NALYSIS A 0) (8020) (1	2.78 2.82 2.86 2.80 LLOWED PINWTPH-G)	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G:	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle :	applicable or writ		WA 🗆	OR OR
3 4 Average:	21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP	2.78 2.82 2.86 2.80 LLOWED PINWTPH-G) H-D) (NWT	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TF	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle :	applicable or write	Grease)	WA 🗆	OR □
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP) activity) (TD	2.78 2.82 2.86 2.80 LLOWED PINWTPH-G) H-D) (NWT	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH-BOD) (Turb	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : x) (BTEX) PH-HCID) (808) idity) (Alkalinit	pplicable or write () (8141) (Oil & y) (HCO3/CO3)	Grease)	WA 🗆	OR □
3 4 Average:	21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP) activity) (TD	2.78 2.82 2.86 2.80 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH 3OD) (Turb edahl Nitroge	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle :	pplicable or write () (8141) (Oil & y) (HCO3/CO3)	Grease)	WA 🗆	OR □
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Tool (Total Cyanid	611 611 610 NALYSIS A 0) (8020) (I AH) (NWTP: activity) (TD C) (Total PO de) (WAD Cy	2.78 2.82 2.86 2.80 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (Id) (Total Kievanide) (Free	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (Turbedahl Nitroge	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit (n) (NH3) (NO	pplicable or write () (8141) (Oil & y) (HCO3/CO3)	Grease) (Cl) (SO4) (I	WA WA WA WO3) (NO2) (F	OR 🗆
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals	611 611 610 NALYSIS A 0) (8020) (I AH) (NWTP) activity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (2.78 2.82 2.86 2.80 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR (Hg) (K) (Na)
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals	611 611 610 NALYSIS A 0) (8020) (I AH) (NWTP) uctivity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (etals) (As) (Sl)	2.78 2.82 2.86 2.80 LLOWED PINWTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR (Hg) (K) (Na)
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conduction (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	611 611 610 NALYSIS A 0) (8020) (I AH) (NWTP) uctivity) (TD C) (Total PO de) (WAD Cy) (As) (Sb) (etals) (As) (Sl)	2.78 2.82 2.86 2.80 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C D) (Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR (Hg) (K) (Na)
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conduction (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP) activity) (TD C) (Total PO de) (WAD C 1) (As) (Sb) (etals) (As) (Sl ag short list)	2.78 2.82 2.86 2.80 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C D) (Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR (Hg) (K) (Na)
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP) activity) (TD C) (Total PO de) (WAD C 1) (As) (Sb) (etals) (As) (Sl ag short list)	2.78 2.82 2.86 2.80 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C D) (Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR (Hg) (K) (Na)
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conduction (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP) activity) (TD C) (Total PO de) (WAD C 1) (As) (Sb) (etals) (As) (Sl ag short list)	2.78 2.82 2.86 2.80 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C D) (Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR 🗆
3 4 Average: QUANTITY 3	21.8 21.8 21.8 21.8 21.8 21.8 21.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	611 611 610 NALYSIS A 0) (8020) (1 AH) (NWTP) activity) (TD C) (Total PO de) (WAD C 1) (As) (Sb) (etals) (As) (Sl ag short list)	2.78 2.82 2.86 2.80 LLOWED PINTPH-G) H-D) (NWT S) (TSS) (I 4) (Total Kidyanide) (Free Ba) (Be) (C D) (Ba) (Be) (C	6.69 6.70 6.70 6.70 ER BOTTLI (NWTPH-G: PH-Dx) (TH: BOD) (Turb edahl Nitroge c Cyanide) a) (Cd) (Co	-125.3 -125.6 -126.0 -125.4 E TYPE (Circle : (a) (BTEX) PH-HCID) (808) idity) (Alkalinit rn) (NH3) (NO	(8141) (Oil & y) (HCO3/CO3) (A) (Oil & y) (HCO3/CO3) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	Grease) (Cl) (SO4) (I	WA	OR (Hg) (K) (Na)



Project Nam	e:	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	1457		
Sample Num	nber:	RGW163I-	190812		Weather:	PARTLY CLOU	JDY		
Landau Repr	resentative:	JAN							
WATER LEV	'EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	6.45	Time:	1423	Flow through ce	ll vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/ 12/2019 @	1427	End Purge:	Date/Time:	8/12 /2019 @	1448	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)	pii	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
1430	17.0	403.6	0.27	6.41	-106.6		6.47		
1433	17.6	407.8	0.38	6.41	-108.9		6.46		
1436	17.9	409.0	0.55	6.41	-103.9		6.46		
1439	18.4	409.4	1.34	6.42	-99.0				
1442	18.9	406.9	2.07	6.41	-95.7				
1445	19.4	404.6	2.80	6.40	-94.0				
	19.7			6.40	-92.7				
1447	19.7	405.7	3.13	0.40	-92.1				
CAMPLECO	LIECTION	A TDA							
SAMPLE CO			Bailer		Pump/Pump Type	. PI ADDEP			
Made of:	cted with.	Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	-
				Tap Rinse			U Other	Dedicated	
Decon Proced	iure:	Alconox Was	in Ш	rap Kinse	DI Water	Dedicated			
(Pv. Numarica	d Order)	Other			_				
(By Numerica		Other	ah an ata).	NO COL OD	I OW TURB NO	OWIG			
· •			, sheen, etc.):	NO COLOR	, LOW TURB, N	D/NS.			
· •			, sheen, etc.): D.O. (mg/L)	NO COLOR	ORP	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) 405.8	D.O. (mg/L)	рН 6.40	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 19.7	Cond. (uS/cm) 405.8 405.6	D.O. (mg/L) 3.22 3.26	pH 6.40 6.40	ORP (mV) -91.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.7 19.8	Cond. (uS/cm) 405.8 405.6 405.5	D.O. (mg/L) 3.22 3.26 3.30	pH 6.40 6.40 6.40	ORP (mV) -91.9 -91.2	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 19.7 19.8 19.8	Cond. (uS/cm) 405.8 405.6 405.5	D.O. (mg/L) 3.22 3.26 3.30 3.39	pH 6.40 6.40 6.40 6.40	ORP (mV) -91.9 -91.2 -91.0	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 19.7 19.8	Cond. (uS/cm) 405.8 405.6 405.5	D.O. (mg/L) 3.22 3.26 3.30	pH 6.40 6.40 6.40	ORP (mV) -91.9 -91.2	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8	Cond. (uS/cm) 405.8 405.6 405.5 405.5	D.O. (mg/L) 3.22 3.26 3.30 3.39 3.29	6.40 6.40 6.40 6.40 6.40	ORP (mV) -91.9 -91.2 -91.0 -90.9	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010	Cond. (uS/cm) 405.8 405.6 405.5 405.2 405.5 NALYSIS AL	D.O. (mg/L) 3.22 3.26 3.30 3.39 3.29 LOWED PE	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 3.22 3.26 3.30 3.39 3.29 LOWED PE IWTPH-G) (NWTP	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX H-Dx) (TPF	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0!	(ft) non-standard a	(Fe II) malysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 405.8 405.6 405.5 405.2 405.5 NALYSIS AL (D) (8020) (N	3.22 3.26 3.30 3.39 3.29 LOWED PE	6.40 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-Gx H-Dx) (TPHOD) (Turbi	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to the second	(ft) non-standard a	(Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu	Cond. (uS/cm) 405.8 405.6 405.5 405.2 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	3.22 3.26 3.30 3.39 3.29 LOWED PE IWTPH-G) (NWTP G) (TSS) (B	6.40 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-Gx H-Dx) (TPF	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second	(ft) non-standard a	(Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 405.8 405.6 405.5 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (ctivity) (TDS (C) (Total PO4 (e) (WAD Cy.	3.22 3.26 3.30 3.39 3.29 LOWED PE IWTPH-G) (NWTP S) (TSS) (B	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & Gr.) (HCO3/CO3) (O/NO2)	non-standard a rease) CI) (SO4) (NO	malysis below) WA WA O WA O WA O NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 405.8 405.6 405.5 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cyc () (As) (Sb) (1)	3.22 3.26 3.30 3.39 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N (H) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cy. (c) (As) (Sb) (R (uS/cm) (uS/c	3.22 3.26 3.30 3.39 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N (H) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cy. (c) (As) (Sb) (R (uS/cm) (uS/c	3.22 3.26 3.30 3.39 3.29 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cya) (b) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (As) (As) (As) (As) (As) (As	3.22 3.26 3.30 3.39 3.29 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cya) (b) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (As) (As) (As) (As) (As) (As	3.22 3.26 3.30 3.39 3.29 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cya) (b) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (As) (As) (As) (As) (As) (As	3.22 3.26 3.30 3.39 3.29 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cya) (b) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (As) (As) (As) (As) (As) (As	3.22 3.26 3.30 3.39 3.29 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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 7 2	Temp (°F/°C) 19.7 19.8 19.8 19.8 19.8 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 405.8 405.6 405.5 405.5 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cya) (b) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (Sb) (the color) (g) (As) (As) (As) (As) (As) (As) (As) (As	3.22 3.26 3.30 3.39 3.29 3.29 LOWED PE WTPH-G) (NWTP G) (TSS) (B E) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.40 6.40 6.40 6.40 6.40 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -91.9 -91.2 -91.0 -90.9 -91.3 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gro) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	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 □



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1410		
Sample Nun	nber:	RGW175I-	190812		Weather:	CLEAR SUNNY	<i>I</i>		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	6.11	Time:	-	Flow through ce			GW Meter No.(s	SSLOPE 10
		8/ 12 /2019		End Purge:	-	8/ 12 /2019 @	1403	Gallons Purged:	0.25
Purge water of			55-gal Drum	Ē	Storage Tank	Ground		SITE TREATM	
	1					_			
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		dings within the fo	. ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1343	21.5	523	3.61	6.35	-82.8	LOW	6.13		
1346	21.7	525	4.81	6.35	-86.3		6.13		
1349	21.5	530	6.26	6.35	-88.8		6.13		
1352		530	6.57	6.34	-89.7				
-			-						
1355	21.6	531	6.87	6.34	-90.5				
1358	21.6	533	7.47	6.33	-92.4				
1401	21.6	533	7.49	6.33	-92.5				
SAMPLE CO	LLECTION D	ATA							
Sample Colle	cted 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	d Order)	Other							
, ,	u Oraer)	U Other							
		—	, sheen, etc.):	CLEAR CO	LORLESS NO/NS	3			
Sample Descri	ription (color,	turbidity, odor	·						
	Temp	turbidity, odor	D.O.	CLEAR CO	ORP	Turbidity	DTW (ft)	Ferrous iron	Comments/
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 533	D.O. (mg/L)	рН 6.33	ORP (mV)	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 533	D.O. (mg/L)	рН 6.33	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.4 21.5	Cond. (uS/cm) 533	D.O. (mg/L) 7.55 7.56	pH 6.33 6.33	ORP (mV) -92.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.4 21.5 21.5	Cond. (uS/cm) 533 533	D.O. (mg/L) 7.55 7.56 7.57	pH 6.33 6.33 6.33	ORP (mV) -92.6 -92.7 -92.6	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.4 21.5	Cond. (uS/cm) 533 533 533 533	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57	6.33 6.33 6.33 6.33 6.33	ORP (mV) -92.6 -92.7 -92.6 -92.7	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5	Cond. (uS/cm) 533 533 533 533 NALYSIS AL	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PE	6.33 6.33 6.33 6.33 6.33 6.33	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 -92.7 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PE	6.33 6.33 6.33 6.33 6.33 CR BOTTLE	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 21.6 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 533 533 533 533 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G)	6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-Gx PH-Dx) (TPI	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 TYPICAL A (8260) (8010 (8270D) (P4) (pH) (Condu	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PERMYPH-G) (NWTPH-G) (NWTPH	6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx) (TPF-GOD) (Turbi	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 (8260) (8010) (8270D) (PA) (COD) (TOO	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PERWITPH-G) (NWTPH-G) (NTG) (NWTPH-G) (NTG)	6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -92.6 -92.7 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 21.6 (8260) (8010 (8270D) (P4 (PH) (Condu (COD) (Too	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PE IWTPH-G) (NWTP S) (TSS) (B	6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbidahl Nitrogen Cyanide)	ORP (mV) -92.6 -92.7 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O	non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanical Cyanical Cyanical Cyanical Cyanical Code) (Dissolved M	Cond. (uS/cm) 533 533 533 533 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy de) (AS) (Sb) (detals) (AS) (Sb)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PE WTPH-G) (NWTP S) (TSS) (B t) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 533 533 533 533 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy de) (AS) (Sb) (detals) (AS) (Sb)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanical (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 LOWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.6 -92.7 -92.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 21.4 21.5 21.5 21.4 21.5 TYPICAL A (8260) (8016 (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 533 533 533 533 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list) hane Ethene Ad	D.O. (mg/L) 7.55 7.56 7.57 7.61 7.57 T.OWED PER (WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Be) (Catal Kie anide) (Free Ba) (Be) (Catal Kie anide) (Experimental Control (Catal Kie anide) (Experimental Catal Kie anide) (pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -92.6 -92.7 -92.7 -92.7 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) (Tl) (V	(Fe II)	Observations OR □ OR □ OR □



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1501		
Sample Nur	nber:	RGW176S-	190812		Weather:	CLEAR SUNNY	<i>I</i>		
Landau Rep	resentative:	SRB							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.73	Time:	1355	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
Begin Purge:	Date/Time:	8/ 12 /2019	1430	End Purge:	Date/Time:	8/ 12 /2019 @	1447	Gallons Purged:	0.25
Purge water of	disposed 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	
1433	20.4	645	5.96	6.30	-92.0	LOW	5.73		
1436	19.9	643	6.30	6.30	-93.8		5.73		
1439	19.7	638	6.71	6.30	-95.9		5.73		
1442	19.4	632	7.08	6.30	-97.3				
1445	- 1	628	7.31	6.30	-98.4				
1443	17.3	028	7.31	0.50	-70.4				
	LLECTION D								
Sample Colle	cted With:	. U	Bailer	_	Pump/Pump Type	DED BLADDER		_	
Made of:	<u> </u>	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
*	0.40.)								
· -		₩.	, sheen, etc.):	SLIGHTLY	YELLOW, CLEA	R NO/NS			
Sample Desc	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·				DEW		
	Temp	turbidity, odor	D.O.	SLIGHTLY	ORP	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.31	ORP (mV)	Turbidity			
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.31	ORP (mV)	Turbidity			
Sample Desc. Replicate 1 2	Temp (°F/°C) 19.3	Cond. (uS/cm) 626	D.O. (mg/L) 7.32 7.35	pH 6.31 6.31	ORP (mV) -98.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.3 19.3	Cond. (uS/cm) 626 626	D.O. (mg/L) 7.32 7.35 7.36	pH 6.31 6.31 6.31	ORP (mV) -98.6 -98.7 -98.9	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3	Cond. (uS/cm) 626 626 625 625	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35	6.31 6.31 6.31 6.31 6.31	ORP (mV) -98.6 -98.7 -98.9 -99.1	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3	Cond. (uS/cm) 626 626 625 625	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PE	6.31 6.31 6.31 6.31 6.31 6.31	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 19.3	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERWYPH-G) (6.31 6.31 6.31 6.31 6.31 CR BOTTLE	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 19.3 (8260) (8010) (8270D) (PA	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PE IWTPH-G) (NWTP	6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-GX PH-Dx) (TPI	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270D) (P4) (pH) (Condu	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (NWTPH-G) (NWTPH	6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx) (TPH-Dx) (TPH-Dx) (TPH-Dx) (TPH-Dx)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second control of the	(ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270D) (P4 (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERWIPH-G) (NWTPH-G) (NWTPH	6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to the second control of the	(ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (P/O) (pH) (Conduction (COD) (Total Cyanida (Total Metals)	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL (0) (8020) (N AH) (NWTPF- (ctivity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PE WTPH-G) (NWTP (S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PE WTPH-G) (NWTP (S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-D) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 le) (WAD Cy 1) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-D) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-D) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-D) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (P/ (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-D) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-D) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH COD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Metals) (Dissolved M VOC (Boein Methane Ether) others	Cond. (uS/cm) 626 626 625 625 626 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list) hane Ethene Ad	D.O. (mg/L) 7.32 7.35 7.36 7.37 7.35 LOWED PERMYPH-G) (M-P) (NWTPH-G) (M-P) (NWTPH-G) (M-P) (NWTPH-G) (M-P) (NWTPH-G) (M-P) (NWTPH-G) (M-P) (M-P	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -98.6 -98.7 -98.9 -99.1 -98.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3 (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (1)	(ft) non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) (Tl) (V	(Fe II)	Observations OR □ OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1250		
Sample Nun	nber:	RGW177I-	190812		Weather:	CLEAR SUNNY	7		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before		7.81	Time:	-	Flow through ce			GW Meter No.(s	SLOPE 10
	Date/Time:			End Purge:	-	8/ 12 /2019 @	1240	Gallons Purged:	0.25
Purge water of			55-gal Drum	Ĕ	Storage Tank	Ground		SITE TREATM	
ruige water c	iisposed to.	-	55-gai Diuiii	-	Storage Talik	□ Ground	Other	SHE IKEAIW	ENI SISIEM
T:	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge Goal	(uS/cm) ls: Stablizatio	(mg/L) on of Paramet	ters for three	(mV) e consecutive rea	(NTU) dings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1223	18.9	519	5.70	6.28	-83.6	LOW	7.82		
1226	18.8	537	6.91	6.30	-92.0		7.82		
1229					-94.6		7.82		
		545	7.27	6.30			1.82		
1232	18.7	549	7.59	6.30	-96.1				
1235	18.7	553	7.91	6.31	-97.9				
1238	18.7	556	8.00	6.31	-98.3				
SAMPLE CO	LLECTION D	DATA							
Sample Colle			Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	_	Tap Rinse	DI Water	Dedicated	—		
Decoil I loce	.ш.с.	i neonox wa	··· —	rup runse	□ D1a.c.	Bedieded			
(Ry Numerica	al Order)	Other							
(By Numerical		Other	sheen etc.):	CLEAR COL	ORLESS NO/NS				
		_	, sheen, etc.):	CLEAR COL	LORLESS NO/NS	S			
· -		_	D.O. (mg/L)	CLEAR COI	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp (°F/°C)	turbidity, odor	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L) 8.03	рН 6.31	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.7	Cond. (uS/cm) 556	D.O. (mg/L) 8.03	pH 6.31 6.31	ORP (mV) -98.4 -98.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.7 18.7	Cond. (uS/cm) 556 557	D.O. (mg/L) 8.03 8.05	pH 6.31 6.31 6.31	ORP (mV) -98.4 -98.6	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.7	Cond. (uS/cm) 556	D.O. (mg/L) 8.03	pH 6.31 6.31	ORP (mV) -98.4 -98.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.7 18.7	Cond. (uS/cm) 556 557	D.O. (mg/L) 8.03 8.05	pH 6.31 6.31 6.31	ORP (mV) -98.4 -98.6	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.8	Cond. (uS/cm) 556 557 557	B.O. (mg/L) 8.03 8.05 8.04 8.09 8.05	6.31 6.31 6.31 6.31 6.31	ORP (mV) -98.4 -98.6 -98.8 -98.8	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A	Cond. (uS/cm) 556 557 557	D.O. (mg/L) 8.03 8.05 8.04 8.09 8.05	6.31 6.31 6.31 6.31 6.31 6.31	ORP (mV) -98.4 -98.6 -98.8 -98.8 -98.7 TYPE (Circle a	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 8.03 8.05 8.04 8.09 8.05 LOWED PERWYPH-G) (6.31 6.31 6.31 6.31 6.31 CR BOTTLE	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 8.03 8.05 8.04 8.09 8.05 LOWED PE	6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-GX PH-Dx) (TPF	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	(ft) non-standard a ease)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA) (pH) (Condu	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD)	B.O. (mg/L) 8.03 8.05 8.04 8.09 8.05 LOWED PERMYPH-G) (NWTF	6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-Dx) (Turbi	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! (8141) (Oil & Gr) (HCO3/CO3) (C	(ft) non-standard a ease)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (PH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPF activity) (TD: C) (Total PO- de) (WAD Cy	B.O. (mg/L) 8.03 8.05 8.04 8.09 8.05 LOWED PEWTPH-G) (NWTPH-G) (NWTPH-G) (Total Kie anide) (Free	6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbi dahl Nitroger Cyanide)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ease) Cl) (SO4) (NO	nalysis below) WA WA WA O WA O WA O WA O WA O WA O WA O WA O WA WA WA	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals)	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPFactivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Conduction (COD) (Total Cyanical C	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Cya	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH COD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 18.7 18.7 18.7 18.8 18.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 556 557 557 557 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total PO- de) (WAD Cy) (As) (Sb) (fetals) (As) (Sb g short list) hane Ethene Ac	Ba) (Ba) (Ba) (Catelline	pH 6.31 6.31 6.31 6.31 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -98.4 -98.6 -98.8 -98.7 TYPE (Circle a)) (BTEX) H-HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (I	ease) Ni) (Ag) (Se) (Ag) (Se) (TI) (V	(Fe II)	Observations OR □ OR □ OR □



Project Nam	ıe:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1220		
Sample Nun	nber:	RGW178S-	190812		Weather:	CLEAR SUNNY	7		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	8.61	Time:	-	Flow through cel	ll vol.		GW Meter No.(s	SLOPE 10
		8/ 12 /2019		End Purge:	•	8/ 12 /2019 @	1207	Gallons Purged:	0.25
Purge water d			55-gal Drum		Storage Tank	Ground		SITE TREATM	
	•					_	_		
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	. ,	dings within the fo	. , ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1153	16.2	380.2	5.03	6.27	-59.0	LOW	8.63		
1156	16.8	386.3	5.42	6.30	-65.1		8.63		
1159	17.2	390.4	6.01	6.32	-72.1		8.63		
1202		391.5	6.20	6.33	-73.9				
	·		-	-					
1205	17.4	391.5	6.57	6.33	-76.6				
SAMPLE CO	LLECTION D	ATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Danes Do			. 🗀			_			
Decon Proced	lure:	Alconox Was	sh 📙	Tap Rinse	DI Water	Dedicated			
(By Numerica	_	Alconox Was	sh 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other			DI Water ORLESS NO/NS				
(By Numerical Sample Description	ıl Order)	Other turbidity, odor	, sheen, etc.):	CLEAR COL	LORLESS NO/NS	-			
(By Numerica	al Order) ription (color,	Other turbidity, odor	, sheen, etc.):		LORLESS NO/NS	Turbidity	DTW (ft)	Ferrous iron	Comments/
Sample Descri Replicate	ription (color, Temp	Other turbidity, odor Cond. (uS/cm)	D.O. (mg/L)	CLEAR COI	ORP (mV)	-	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
(By Numerical Sample Described Replicate	tl Order) ription (color, Temp (°F/°C) 17.4	Cond. (uS/cm) 391.2	D.O. (mg/L)	CLEAR COI	ORLESS NO/NS ORP (mV) -76.9	Turbidity			
Sample Describer Replicate	ription (color, Temp	Other turbidity, odor Cond. (uS/cm)	D.O. (mg/L)	CLEAR COI	ORP (mV)	Turbidity			
(By Numerical Sample Described Replicate	tl Order) ription (color, Temp (°F/°C) 17.4	Cond. (uS/cm) 391.2	D.O. (mg/L)	CLEAR COI	ORLESS NO/NS ORP (mV) -76.9	Turbidity			
(By Numerical Sample Described Replicate 1 2	ription (color, Temp (°F/°C) 17.4	Cond. (uS/cm) 391.2	D.O. (mg/L) 6.61	CLEAR COI pH 6.33 6.33	ORLESS NO/NS ORP (mV) -76.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 17.4 17.4	Cond. (uS/cm) 391.2 391.3 390.9	D.O. (mg/L) 6.61 6.65	pH 6.33 6.33 6.33	ORLESS NO/NS ORP (mV) -76.9 -77.1	Turbidity			
Replicate 1 2 3 4 Average:	ription (color, Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4	Cond. (uS/cm) 391.2 391.3 390.9 390.9 391.1	D.O. (mg/L) 6.61 6.65 6.68 6.67	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	tl Order) ription (color, Temp (°F/°C) 17.4 17.4 17.4 17.4 TYPICAL A	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AL	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	th Order) ription (color, Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (801)	Cond. (uS/cm) 391.2 391.3 390.9 390.1 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.9 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AL 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (BTEX) I-HCID) (8081)	#DIV/0!	(ft) non-standard a ease)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010) (8270D) (P4) (pH) (Condu	Cond. (uS/cm) 391.2 391.3 390.9 390.9 391.1 NALYSIS AI (0) (8020) (N AH) (NWTPHactivity) (TDS	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PERIVIPH-G) (NWTP	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 R BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (BTEX) I-HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Gr. (HCO3/CO3) (Co.)	(ft) non-standard a ease)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010 (8270D) (PA (PH) (Condu	Cond. (uS/cm) 391.2 391.3 390.9 390.9 391.1 NALYSIS AI (0) (8020) (N AH) (NWTPHactivity) (TDS	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PERIVIPH-G) (NWTPH-G) (NTG) (NT	pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX CH-Dx) (TPH COD) (Turbit dahl Nitroger	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (BTEX) I-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in (8141) (Oil & Gr. (HCO3/CO3) (Co.)	(ft) non-standard a ease)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8016) (8270D) (PA (COD) (TOG (Total Cyanic	Cond. (uS/cm) 391.2 391.3 390.9 390.9 391.1 NALYSIS AL 0) (8020) (N AH) (NWTPHactivity) (TDS	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE WTPH-G) (NWTP S) (TSS) (B	PH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3	#DIV/0! pplicable or write in (8141) (Oil & Gr. (HCO3/CO3) (Co.)	non-standard a ease) Cl) (SO4) (NO	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanical Metals)	Other turbidity, odor Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI (0) (8020) (NAH) (NWTPHETIVITY) (TDS CC) (Total PO4 (IR) (WAD Cy) (AS) (Sb) (C)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PER (WTPH-G) (NWTPH-G) (TSS) (BS) (Total Kie anide) (Free BB) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanical Metals)	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy de) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb) (Setals)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PER (WTPH-G) (NWTPH-G) (TSS) (BS) (Total Kie anide) (Free BB) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy de) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb) (Setals)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE IWTPH-G) (I-D) (NWTP S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE IWTPH-G) (I-D) (NWTP S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010) (8270D) (PA) (COD) (Total Cyanio (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE IWTPH-G) (I-D) (NWTP S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE IWTPH-G) (I-D) (NWTP S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010) (8270D) (PA) (COD) (Total Cyanio) (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPHactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE IWTPH-G) (I-D) (NWTP S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX H-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3 (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOd (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 391.2 391.3 390.9 391.1 NALYSIS AI 0) (8020) (N AH) (NWTPE lectivity) (TDS C) (Total PO4 le) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list) hane Ethene Ad	D.O. (mg/L) 6.61 6.65 6.68 6.67 6.65 LOWED PE WTPH-G) (I-D) (NWTP S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca c) (Ba) (Be) (Ca	CLEAR COI pH 6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE NWTPH-GX PH-Dx) (TPF COD) (Turbi dahl Nitroger Cyanide) 0) (Cd) (Co) Ca) (Cd) (Co)	ORLESS NO/NS ORP (mV) -76.9 -77.1 -77.4 -77.5 -77.2 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (P	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (1	ease) Ni) (Ag) (Se) (Ag) (Se) (TI) (V	(Fe II)	Observations OR □ OR □ OR □



Project Nam	ıe <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1050		
Sample Nun	nber:	RGW179I-	190812		Weather:	CLEAR SUNNY	<i>T</i>		
Landau Repr	resentative:	SRB							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	6.95	Time:	-	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
	Date/Time:			End Purge:	-	8/ 12 /2019 @	1042	Gallons Purged:	0.25
Purge water d			55-gal Drum		Storage Tank	Ground	_	SITE TREATM	
r arge water a	•				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
Time				ters for three		dings within the fo	, ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1023	16.4	325.0	0.29	6.24	-48.3	LOW	6.95		
1026	17.7	367.9	4.51	6.26	-64.9		6.95		
1029	<u>-</u> : (5.05	6.29			6.95		
		404.3		_	-70.1		0.93		
1032	19.9	432.5	5.88	6.31	-79.3				
1035	18.9	458.8	6.84	6.33	-83.6				
1038	18.5	467.5	7.33	6.34	-87.3				
1041	18.1	475.4	7.69	6.35	-89.6				
SAMPLE CO	LLECTION D	ATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
	_	<u> </u>							
I D V I VUMerica	ıl Order)	Other							
(By Numerical Sample Description		Other	sheen etc.):	CLEAR CO	ORLESS SLIGH	T EFFER VENSEN	CE NO/NS		
		—	, sheen, etc.):	CLEAR CO	LORLESS SLIGH	T EFFERVENSEN	CE NO/NS		
	ription (color,	turbidity, odor,	D.O.	CLEAR COI	ORP	Turbidity	DTW	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)			Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 475.9	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW		
Sample Descr 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) 475.9	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate	Temp (°F/°C) 18.2	Cond. (uS/cm) 475.9	D.O. (mg/L) 7.76	рН 6.35 6.35	ORP (mV) -90.0	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 18.2 18.1 18.0	Cond. (uS/cm) 475.9 476.0	D.O. (mg/L) 7.76 7.77 7.92	pH 6.35 6.35 6.35	ORP (mV) -90.0 -90.2 -90.5	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0	Cond. (uS/cm) 475.9 476.0 478.2 477.0	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84	pH 6.35 6.35 6.35 6.35 6.35	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.1 TYPICAL A	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE	6.35 6.35 6.35 6.35 6.35 6.35	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.1 TYPICAL A (8260) (8010	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE	6.35 6.35 6.35 6.35 6.35 R BOTTLE	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (NAH) (NWTPH	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE	6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX PH-Dx) (TPH	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft) non-standard a	nalysis below) WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 475.9 476.0 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PERMITH-G) (NWTP-G) (NWTP-G) (TSS) (B	6.35 6.35 6.35 6.35 6.35 R BOTTLE NWTPH-Gx H-Dx) (TPH-OD) (Turbi	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 475.9 476.0 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B	6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx H-Dx) (TPF	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (ctivity) (TDS (C) (Total PO4 (de) (WAD Cy:	7.76 7.92 7.91 7.84 LOWED PE [WTPH-G] (NWTP 6) (TSS) (Be) (Total Kie anide) (Free	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX PH-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a rease) Cl) (SO4) (NO	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (NWTPH activity) (TDS (C) (Total PO4 le) (WAD Cyt) (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE (WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy; (f) (As) (Sb) (f) etals) (As) (Sb) (g short list)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (NWTPH activity) (TDS (C) (Total PO4 le) (WAD Cyt) (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy; (f) (As) (Sb) (f) etals) (As) (Sb) (g short list)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy; (f) (As) (Sb) (f) etals) (As) (Sb) (g short list)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy; (f) (As) (Sb) (f) etals) (As) (Sb) (g short list)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy; (f) (As) (Sb) (f) etals) (As) (Sb) (g short list)	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.9 476.0 478.2 478.0 477.0 NALYSIS AL (NWTPH (nctivity) (TDS) (Total PO4 (le) (WAD Cy: () (As) (Sb) (letals) (As) (Sb g short list) nane Ethene Ac	D.O. (mg/L) 7.76 7.77 7.92 7.91 7.84 LOWED PE (WTPH-G) (NWTP G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca)	pH 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -90.0 -90.2 -90.5 -90.7 -90.4 TYPE (Circle a) (BTEX) I-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H) V) (Zn) (Hg) (K) (Hg)	Observations OR □ OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1010		
Sample Nur	nber:	RGW180S-	190812		Weather:	CLEAR SUNNY	<i>Y</i>		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	6.13	Time:	-	Flow through ce			GW Meter No.(s	SLOPE 10
		8/ 12 /2019		End Purge:	-	8/ 12 /2019 @	1003	Gallons Purged:	0.25
Purge water of			55-gal Drum		Storage Tank	Ground		SITE TREATM	
	1					_	_		
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		dings within the fo		>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
943	18.5	283.6	0.15	6.28	-30.5	LOW	6.13		
946	18.8	303.9	0.72	6.36	-45.0		6.13		
949	18.9	305.1	2.35	6.36	-49.3		6.13		
952		305.4	2.61	6.36	-49.9				
-				-					
955	18.9	305.0	3.72	6.37	-51.5				
958	19.0	305.4	4.30	6.37	-52.5				
1001	19.0	305.9	5.08	6.37	-54.0				
SAMPLE CO	LLECTION D	ATA							
Sample Colle	cted 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							
· •		—	, sheen, etc.):	SLIGHTLY	TURBID AND G	RAY NO/ SLIGHT	PETROLEUM	LIKE SHEEN DE	TECTED
Sample Desc	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·						
· •	Temp	turbidity, odor	D.O.	SLIGHTLY pH	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm) 306.0	D.O. (mg/L) 5.19	рН 6.37	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 306.0	D.O. (mg/L) 5.19	рН 6.37	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 19.0	Cond. (uS/cm) 306.0	D.O. (mg/L) 5.19	рН 6.37 6.37	ORP (mV) -54.4 -54.7	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 19.0 19.1	Cond. (uS/cm) 306.0 306.6	D.O. (mg/L) 5.19 5.32	pH 6.37 6.37 6.38	ORP (mV) -54.4 -54.7 -55.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2	Cond. (uS/cm) 306.0 306.6 307.0 306.4	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35	pH 6.37 6.37 6.38 6.38 6.38	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1	Cond. (uS/cm) 306.0 306.6 307.0 306.4	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35	6.37 6.37 6.38 6.38 6.38	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (801)	Cond. (uS/cm) 306.0 306.6 307.0 306.4 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PERWYPH-G) (WTPH-G)	6.37 6.38 6.38 6.38 R BOTTLE	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PE	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-GX PH-Dx) (TPH	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) I-HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTF	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPHOD) (Turbi	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) I-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second control of the	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PERWITPH-G) (NWTPH-G) (NWTP	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPF	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) I-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to the second control of the	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 306.0 306.6 307.0 306.4 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy	5.19 5.32 5.40 5.49 5.35 LOWED PE WTPH-G) (NWTP S) (TSS) (E	6.37 6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write to the second control of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O WA WA	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals)	Cond. (uS/cm) 306.0 306.6 307.0 306.4 NALYSIS AI 0) (8020) (N AH) (NWTPF- letivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PE WTPH-G) (NWTP S) (TSS) (B I) (Total Kie anide) (Free Ba) (Be) (Ca	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL (uS/cm) 306.0 (uS/cm) (uS/cm	5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTFFS) (TSS) (EV) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (Setals) (As) (Sb)	5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTFFS) (TSS) (EV) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL (uS/cm) 306.0 (uS/cm) (uS/cm	5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTFFS) (TSS) (EV) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL (uS/cm) 306.0 (uS/cm) (uS/cm	5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTFFS) (TSS) (EV) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL (uS/cm) 306.0 (uS/cm) (uS/cm	5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTFFS) (TSS) (EV) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL (uS/cm) 306.0 (uS/cm) (uS/cm	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	pH 6.37 6.37 6.38 6.38 6.38 CR BOTTLE NWTPH-GX PH-DX) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	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	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 19.0 19.1 19.2 19.2 19.1 TYPICAL A (8260) (8016) (8270D) (PA (pH) (Condu (COD) (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 306.0 306.0 306.6 307.0 306.4 NALYSIS AL 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list) hane Ethene Ad Duplicate Lo	D.O. (mg/L) 5.19 5.32 5.40 5.49 5.35 LOWED PERMYPH-G) (NWTF S) (TSS) (EV) (Total Kie anide) (Free Ba) (Be) (Caretylene) (Ba) (Be) (Caretylene)	pH 6.37 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -54.4 -54.7 -55.1 -55.4 -54.9 TYPE (Circle a) (BTEX) I-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (Fe) (Cr) (Cu) (Fe) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) (Tl) (V	Ferrous iron (Fe II) nalysis below) WA	Comments/ Observations OR □ OR □ OR □



Time	Project Nam	e:	Boeing Rent	ton		Project Number	er <u>:</u>	0025217.099.0)99		
NATER LEVEL/WEIL/PURGE DATA Well Condition: Secure (YES) Damaged (NO) Describe:	Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	900			
WATER LEVEL/WELL/PURGE DATA	Sample Nun	nber:	RGW180S-	190812		Weather:	CLEAR SUNNY	•			
Well Condition: Secure (YES) Damaged (NO) Describe: GW Meter No.(s SLOP Begin Purge: Date/Time: 8/ 12 /2019 @ Gallons Purged: Storage Tank Ground Other SITE TEREATENTS Time: FF/C (NS/cm) (mg/L) (my) (NTU) (ft) (ft) (FF/C) (MS/m) (mg/L) (my) (my)	Landau Repr	resentative:	SRB								
Well Condition: Secure (YES) Damaged (NO) Describe:	WATERIEV	FI /WFI I /DI	IDCE DATA								
DTW Before Purging (ft)				\	Damagad (N	(O)	Dagariha				
Begin Purge: Date/Time: 8/ 12 /2019 @ End Purge: Date/Time: 8/ 12 /2019 @ Gallons Purged:			Secure (1ES)		Dainageu (N					GY OPE 10	
Nample Collected With:						-			-	SLOPE 10	
Temp Cond. D.O. pH ORP Turbidity DTW Internal Purge Column (ref) Volume (gal) Other Purge Goals: Stabilization of Parameters for three consecutive readings within the following limits -/- 11 flow +/- 3% +/- 3% +/- 10% +/- 0.1 units +/- 10 mV +/- 10% -/- 0.3 ft through cell	-				Ĕ						0.25
Time CFFC (uS/cm) (mg/L) (mV) (NTU) (ft) Volume (gal) Oh	Purge water d	isposed to:		55-gal Drum	Ш	Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM	M
Purge Goals: Stablization of Parameters for three consecutive readings within the following limits	Time	-			pН		•		-	Comme	
Duplicate to RGW180S			s: Stablizatio	n of Parame	ters for three	consecutive rea	dings within the fo	llowing limits			
SAMPLE COLLECTION DATA Sample Collected With:		+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell		
SAMPLE COLLECTION DATA Sample Collected With:											
SAMPLE COLLECTION DATA Sample Collected With:											
SAMPLE COLLECTION DATA Sample Collected With:		· ———	_								
SAMPLE COLLECTION DATA Sample Collected With:			Dι	ıplica	ite to	RGW [*]	180S				
Sample Collected With: Bailer Pump/Pump Type DED BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other				r							
Sample Collected With: Bailer Pump/Pump Type DED BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other											
Sample Collected With: Bailer Pump/Pump Type DED BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other											
Sample Collected With: Bailer Pump/Pump Type DED BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other							-		-		
Sample Collected With: Bailer Pump/Pump Type DED BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other							· ——				
Sample Collected With: Bailer Pump/Pump Type DED BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other							·				
Made of: Stainless Steel PVC Teflon Polyethylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other Other Sample Description (color, turbidity, odor, sheen, etc.): SLIGHTLY TURBID AND GRAY NO/ SLIGHT PETROLEUM LIKE SHEEN DETECT Replicate Temp (°F/°C) Cond. (mg/L) D.O. (mV) Turbidity (NTU) DTW Ferrous iron (Fe II) Cond. (Fe II) Ob 1 19.0 306.1 5.25 6.37 -54.5 -54.9 -54.9 -54.9 -54.9 -55.2 -55.2 -55.2 -55.2 -55.6	SAMPLE CO	LLECTION D									
Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Other Other Sample Description (color, turbidity, odor, sheen, etc.): SLIGHTLY TURBID AND GRAY NO/ SLIGHT PETROLEUM LIKE SHEEN DETECT Replicate Temp (°F/°C) Cond. (uS/cm) (mg/L) ORP (mV) Turbidity (NTU) DTW (Fe II) Ferrous iron (Fe II) Ob 1 19.0 306.1 5.25 6.37 -54.5 -54.5 -54.9 -54.9 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.6 -	Sample Collec	cted With:	Ш	Bailer		Pump/Pump Typ					
Contact Cont	Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated		
Sample Description (color, turbidity, odor, sheen, etc.): SLIGHTLY TURBID AND GRAY NO/ SLIGHT PETROLEUM LIKE SHEEN DETECT Replicate Temp (°F/°C) Cond. (uS/cm) D.O. (mg/L) pH (mV) Turbidity (NTU) DTW (ft) Ferrous iron (Fe II) Cond. (Fe II) 1 19.0 306.1 5.25 6.37 -54.5 -54.9 -54.9 -54.9 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.6 </td <td>Decon Proced</td> <td>lure:</td> <td>Alconox Was</td> <td>sh 🔲</td> <td>Tap Rinse</td> <td>DI Water</td> <td>Dedicated</td> <td></td> <td></td> <td></td> <td></td>	Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated				
Sample Description (color, turbidity, odor, sheen, etc.): SLIGHTLY TURBID AND GRAY NO/ SLIGHT PETROLEUM LIKE SHEEN DETECT Replicate Temp (°F/°C) Cond. (uS/cm) D.O. (mg/L) pH (mV) Turbidity (NTU) DTW (ft) Ferrous iron (Fe II) Cond. (Fe II) 1 19.0 306.1 5.25 6.37 -54.5 -54.9 -54.9 -54.9 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.2 -55.6 </td <td>(By Numerica</td> <td>l Order)</td> <td>Other</td> <td>_</td> <td>_</td> <td>ш</td> <td>_</td> <td></td> <td></td> <td></td> <td></td>	(By Numerica	l Order)	Other	_	_	ш	_				
Replicate Temp (°F/°C) Cond. (uS/cm) D.O. (mg/L) pH (mV) ORP (mV) Turbidity (NTU) DTW (Fe II) Ferrous iron (Fe II) Cond 1 19.0 306.1 5.25 6.37 -54.5 2 19.2 306.5 5.34 6.37 -54.9 3 19.2 307.0 5.44 6.37 -55.2 4 19.2 307.0 5.49 6.38 -55.6	· •		₩.	sheen etc.):	SLIGHTI V	TURRID AND C	GRAY NO/ SLIGHT	PETROI FIIM	LIKE SHEEN DE	TECTED	
(°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) (Fe II) Ob 1 19.0 306.1 5.25 6.37 -54.5 2 19.2 306.5 5.34 6.37 -54.9 3 19.2 307.0 5.44 6.37 -55.2 4 19.2 307.0 5.49 6.38 -55.6	Sample Besch	ipiion (color,	urbianty, odor	, sneen, etc.) <u>.</u>	SEIGITET	TORDID TITLE	MCTI IVO/ BEIGITI	LIKOLLOM	EIRE GIEER DE	TECTED	
(°F/°C) (uS/cm) (mg/L) (mV) (NTU) (ft) (Fe II) Ob 1 19.0 306.1 5.25 6.37 -54.5 2 19.2 306.5 5.34 6.37 -54.9 3 19.2 307.0 5.44 6.37 -55.2 4 19.2 307.0 5.49 6.38 -55.6	Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comme	nts/
2 19.2 306.5 5.34 6.37 -54.9 3 19.2 307.0 5.44 6.37 -55.2 4 19.2 307.0 5.49 6.38 -55.6		(°F/°C)			•	(mV)				Observat	
2 19.2 306.5 5.34 6.37 -54.9 3 19.2 307.0 5.44 6.37 -55.2 4 19.2 307.0 5.49 6.38 -55.6	1	19.0	306.1	5.25	6.37	-54.5					
3 19.2 307.0 5.44 6.37 -55.2 4 19.2 307.0 5.49 6.38 -55.6									-		
4 19.2 307.0 5.49 6.38 -55.6	2			-							
	3	19.2	307.0	5.44	6.37	-55.2					
A	4	19.2	307.0	5.49	6.38	-55.6					
Average: 19.2 306.7 5.38 6.37 -55.1 #DIV/0!	Average:	19.2	306.7	5.38	6.37	-55.1	#DIV/0!				
QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	OHANTITY	TYPICAL A	NALVSIS AT	TOMED be	R BOTTI F	TVPE (Circle o	nnlicable or write r	on-standard a	malysis below)		
	-					•	ppiicable of write I	on-stantaru a		OR 🗆	
		` ' '					(8141) (Oil & Cr	anca)		OR 🗆	
		, , ,	, ,	, ,						OK 🗆	
(pH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F)			• • • • • • • • • • • • • • • • • • • •					1) (304) (NC	<i>33)</i> (NO2) (F)		
(COD) (TOC) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2)						i) (NH3) (NO3	MNU2)				
(Total Cyanide) (WAD Cyanide) (Free Cyanide)						(C=) (C=) (T=)	(Dk) (Ma) (Ma) 0	Ti) (A =) (C)	(T1) (V) (Z-) (P	(V) (V)	
(Testal Metalla) (As) (Ch) (Da) (Da) (Ch) (Ch) (Ch) (Ch) (Ch) (Ch) (Ch) (Ch											a) (Citi
(Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K)		`	, , , ,) (Ba) (Be) (.a) (Cd) (Co)	(Cr) (Cu) (Fe) (F	ro) (Mg) (Mn) (N1) (Ag) (Se) (TI) (v)(Zn)(Hg)(K)(iva) (Hardnes	s) (Silic
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Na) (Na) (Na) (Na) (Na) (Na) (Na			•	. 1							
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (H VOC (Boeing short list)		Methane Eth	ane Ethene Ac	cetylene							
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Hg) (Na) (Na) (Na) (Na) (Na) (Na) (Na) (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) (H VOC (Boeing short list)											
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (H VOC (Boeing short list)		others									
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (H VOC (Boeing short list) Methane Ethane Ethene Acetylene	Duralli e C	1a NT-7	D. T	DCW1000							
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (He) (VOC (Boeing short list) Methane Ethane Ethene Acetylene others	Duplicate San	npie No(s):									
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (Hg) (VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s):											
(Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hg) (K) (Na) (He) (VOC (Boeing short list) Methane Ethane Ethene Acetylene others	Comments:				NORMAL- C	EHCKED DO C	ALIBRATION AND	CHECKED O	UT.		



Project Nam	e:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	1535		
Sample Num	nber:	RGW165I-	190812		Weather:	PARTLY SUNN	ΙΥ		
Landau Repr	resentative:	JAN			•				
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:			
DTW Before		7.01	Time:		Flow through cel			GW Meter No.(s	s 3
		8/ 12/2019 @		End Purge:	_	8/12 /2019 @	1528	Gallons Purged:	
Purge water d			55-gal Drum	Ē	Storage Tank	Ground	_	SITE TREATM	
i dige water d	isposed to.		55-gai Diuiii		Storage Tank	U Ground	Other	SHE IREATM	ENT STSTEM
TD:	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 rea	(NTU) dings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1509	16.6	338.1	0.07	6.38	-78.4		7.00		
1512	17.6	344.2	0.81	6.37	-84.2		6.91		
1515	18.2	349.1	1.40	6.38	-86.5		6.87		
1518	18.9	354.6	2.21	6.38	-88.2		6.81		
1521	19.5	359.6	2.73	6.38	-89.6		6.76		
1524	20.4	365.8	3.15	6.39	-90.9		6.72		
1526	20.8	369.7	3.42	6.39	-91.2		6.70		
								-	
SAMPLE CO	LLECTION D	DATA							
Sample Collection			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lura:	Alconox Was	_	Tap Rinse	DI Water	Dedicated	<u> </u>	Douleanea	
	iuie.	' <u>—</u>	,ıı <u>ш</u>	rap Kilise	Di Water	Dedicated			
	d Order)	Other							
(By Numerica		Other	shoon ato \	NO COLOR	LOW TURE NO	OWIG			
		_	, sheen, etc.) <u>:</u>	NO COLOR	, LOW TURB, N	O/NS.			
		_	D.O. (mg/L)	NO COLOR	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) 371.0	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 21.0	Cond. (uS/cm) 371.0 371.8	D.O. (mg/L) 3.54 3.50	pH 6.39 6.39	ORP (mV) -91.5	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 21.0 21.1 21.2	Cond. (uS/cm) 371.0 371.8 372.3	D.O. (mg/L) 3.54 3.50	pH 6.39 6.39 6.39	ORP (mV) -91.5 -91.4 -92.0	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 21.0	Cond. (uS/cm) 371.0 371.8	D.O. (mg/L) 3.54 3.50	pH 6.39 6.39	ORP (mV) -91.5	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 21.0 21.1 21.2	Cond. (uS/cm) 371.0 371.8 372.3	D.O. (mg/L) 3.54 3.50	pH 6.39 6.39 6.39	ORP (mV) -91.5 -91.4 -92.0	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52	6.39 6.39 6.39 6.39 6.39	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52	6.39 6.39 6.39 6.39 6.39 6.39	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYTPH-G) (MATCHES)	6.39 6.39 6.39 6.39 6.39 6.39 RR BOTTLE	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMITPH-G) (NWTPH-G) (NWTP	6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX PH-Dx) (TPF	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write i	(ft) non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (NAH) (NWTPHetivity) (TDS)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH	6.39 6.39 6.39 6.39 6.39 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPH-GOD) (Turbi	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C	(ft) non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy	3.54 3.50 3.49 3.55 3.52 LOWED PF IWTPH-G) (NWTP FS) (TSS) (E	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbi dahl Nitroger Cyanide)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write r (8141) (Oil & Gr) (HCO3/CO3) (O	non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO- lee) (WAD Cy) (As) (Sb) (D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EB) (Total Kiesanide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (TOG) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPH letivity) (TDS C) (Total PO4 le) (WAD Cy de) (AS) (Sb) (letals) (AS) (Sb) (D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EB) (Total Kiesanide) (Free Ba) (Be) (Ca	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kielanide) (Free Ba) (Be) (Called S) (Ba) (Be) (Called S) (Ba) (Be) (Called S)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPH letivity) (TDS C) (Total PO4 le) (WAD Cy de) (AS) (Sb) (letals) (AS) (Sb) (D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kielanide) (Free Ba) (Be) (Called S) (Ba) (Be) (Called S) (Ba) (Be) (Called S)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kielanide) (Free Ba) (Be) (Called S) (Ba) (Be) (Called S) (Ba) (Be) (Called S)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (O./NO2) (Pb) (Mg) (Mn) (I./NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Oil MO2) (Pb) (Mg) (Mn) (I	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 21.0 21.1 21.2 21.2 21.1 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 371.0 371.8 372.3 372.9 372.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 3.54 3.50 3.49 3.55 3.52 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.39 6.39 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx PH-Dx) (TPH GOD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -91.5 -91.4 -92.0 91.6 -45.8 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (Oil MO2) (Pb) (Mg) (Mn) (I	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	ie:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	199	
Event:		Quarterly A	ugust 2019	_	Date/Time:	8/ 12 /2019@	1520		
Sample Nun	nber:	RGW189S-	190812		Weather:	SUNNY, MUGO	GY, HOT		_
Landau Rep	resentative:	BXM							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:			
DTW Before		7.09	Time:	-	Flow through cel			GW Meter No.(s	HERON-1
	Date/Time:			End Purge:	_	8/ 12 /2019 @ 1:	500	Gallons Purged:	
Purge water d			-	Ē	Storage Tank	Ground		SITE TREATM	
Purge water d	iisposed to:	-	55-gal Drum	4	Storage Tank	□ Ground	Unter Other	SHE IREAIM	ENI SISIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (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	
1440	20.1	360.1	0.42	5.98	-2.0		7.29		HAVE PUMP ON
1443	21.7	379.5	0.30	5.97	-5.4		7.31		LOWEST SETTING
1446	22.8	406.8	0.38	6.07	-16.4		7.31		SETTING
1449	22.9	411.5	0.37	6.10	-18.9				
1452	22.9	412.8	0.26	6.11	-21.0				
1455	23.1	416.8	0.31	6.13	-24.6				
1458	23.6	428.3	0.28	6.17	-29.1				
SAMPLE CO	LLECTION D	ATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
			_		₩				
(By Numerica	ıl Order)	Other							
, ,	· ·	_	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	S, DARK FINES			
, ,	· ·	_	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	S, DARK FINES			
, ,	ription (color, t	turbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr	ription (color, t	turbidity, odor					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)	Cond. (uS/cm) 429.9	D.O. (mg/L)	pH 6.17	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.8 23.8	Cond. (uS/cm) 429.9	D.O. (mg/L) 0.29	pH 6.17	ORP (mV) -29.3 -29.4	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 23.8 23.8 24.0 24.1	Cond. (uS/cm) 429.9 431.8 435.2	D.O. (mg/L) 0.29 0.30 0.39	pH 6.17 6.17 6.18 6.18	ORP (mV) -29.3 -29.4 -30.0 -30.6	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 24.0 24.1 23.9	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5	D.O. (mg/L) 0.29 0.30 0.39 0.35	pH 6.17 6.17 6.18 6.18 6.18	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33	pH 6.17 6.17 6.18 6.18 6.18 6.18	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PE	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately continuous properties of the co	Turbidity (NTU) #DIV/0! pplicable or write	(ft)	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI O) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PE	6.17 6.17 6.18 6.18 6.18 CR BOTTLE NWTPH-GX	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle ap) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	(Fe II)	Observations
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (b) (8020) (N AH) (NWTPHetivity) (TD:	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PERMYPH-G) (NWTFF-G) (NWTFF-G) (NWTFF-G) (NWTFF-G) (TSS) (E)	6.17 6.18 6.18 6.18 6.18 CR BOTTLE (NWTPH-Gx) (TPF-GOD) (Turbic	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 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	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (2) (8020) (N AH) (NWTPH (activity) (TD: (C) (Total PO-	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PERMYTPH-G) (NWTPH-G) (NWTP	6.17 6.17 6.18 6.18 6.18 6.18 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPH-GOD) (Turbidahl Nitroger	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle ap) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (D) (8020) (N AH) (NWTPH (ctivity) (TD: (C) (Total PO- (e) (WAD Cy	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PE WTPH-G) (NWTP S) (TSS) (E 4) (Total Kie ranide) (Free	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (67)	non-standard a	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 □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (D) (8020) (NAH) (NWTPHactivity) (TD: (C) (Total PO- (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PERMYPH-G) (NWTF S) (TSS) (EM) (Total Kieranide) (Free Ba) (Be) (Ca	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (NWTPH etivity) (TDS) (C) (Total PO- et) (WAD Cy et) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PERMYPH-G) (NWTF S) (TSS) (EM) (Total Kieranide) (Free Ba) (Be) (Ca	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (b) (8020) (N AH) (NWTPHetivity) (TD: (c) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PENWTPH-G) (M-D) (NWTPH-G)	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (NWTPH etivity) (TDS) (C) (Total PO- et) (WAD Cy et) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PENWTPH-G) (M-D) (NWTPH-G)	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (b) (8020) (N AH) (NWTPHetivity) (TD: (c) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PENWTPH-G) (M-D) (NWTPH-G)	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (b) (8020) (N AH) (NWTPHetivity) (TD: (c) (Total POde) (WAD Cy) (de) (WAD Cy) (de) (As) (Sb) (detals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PENWTPH-G) (M-D) (NWTPH-G)	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (NWTPF octivity) (TDS octivity) (TDS octivity) (TDS octivity) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb octivity) (As) (Sb) (anne Ethene Activity) (As) (Sb) (As) (As) (As) (As) (As) (As) (As) (As	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PE WTPH-G) (NWTF S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca cetylene	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2 1 Duplicate Sam	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI O) (8020) (N AH) (NWTPH ctivity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list) nane Ethene Ac	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PENWTPH-G) (M-D) (NWTPH-G)	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 23.8 23.8 24.0 24.1 23.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 429.9 431.8 435.2 437.1 433.5 NALYSIS AI (NWTPF octivity) (TDS octivity) (TDS octivity) (TDS octivity) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb octivity) (As) (Sb) (anne Ethene Activity) (As) (Sb) (As) (As) (As) (As) (As) (As) (As) (As	D.O. (mg/L) 0.29 0.30 0.39 0.35 0.33 LOWED PENWTPH-G) (M-D) (NWTPH-G)	pH 6.17 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -29.3 -29.4 -30.0 -30.6 -29.8 TYPE (Circle approximately (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1330		
Sample Nun	nber:	RGW207S-	190812		Weather:	CLEAR SUNNY	•		
Landau Rep	resentative:	SRB							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:			
DTW Before		6.53	Time:	-	Flow through ce	•		GW Meter No.(s	SI OPE 10
		8/ 12 /2019		End Purge:	-	8/ 12 /2019 @	1224	Gallons Purged:	
				Ĕ				•	
Purge water d	isposed to:		55-gal Drum	4	Storage Tank	Ground	Other	SITE TREATM	ENI SISIEM
	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)	(NTU) dings within the fol	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1303	18.8	326.7	0.22	6.42	-44.0	LOW	6.53		
1306	19.0	339.1	0.26	6.57	-79.2		6.53		
-	·		-				6.50		
1309	19.1	356.4	0.37	6.72	-88.3		6.53		
1312	18.9	362.6	0.52	6.77	-91.7				
1315	18.9	366.2	0.73	6.81	-95.8				
1318	18.8	366.3	0.93	6.82	-97.3				
1321	18.6	365.6	1.19	6.84	-98.9				
SAMPLE CO	LLECTION D	OATA							
Sample Collec			Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Ste	el 🗖	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure.	Alconox Was	_	Tap Rinse	DI Water	Dedicated		_	
(By Numerica	_	·	·· •	rup remse	□ Di Water	Dedicated			
	u Oraer)	II II ()ther							
		Other	sheen etc.):	CLEAR COL	ORLESS NO/NS	<u> </u>			
		_	, sheen, etc.):	CLEAR CO	LORLESS NO/NS	S			
•		_	D.O. (mg/L)	CLEAR COI	ORP (mV)	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) 365.6	D.O. (mg/L)	рН 6.84	ORP (mV)	Turbidity			
Sample Descr Replicate	Temp (°F/°C) 18.6	Cond. (uS/cm) 365.6	D.O. (mg/L) 1.25	pH 6.84 6.84	ORP (mV) 99.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.6 18.6	Cond. (uS/cm) 365.6 365.6	D.O. (mg/L) 1.25 1.30	pH 6.84 6.84 6.84	ORP (mV) 99.1 99.4 99.7	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 18.6 18.6 18.6	Cond. (uS/cm) 365.6 365.6 365.4	D.O. (mg/L) 1.25 1.30 1.32 1.39	pH 6.84 6.84 6.84 6.85	ORP (mV) 99.1 99.4 99.7 99.8	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 18.6 18.6	Cond. (uS/cm) 365.6 365.6	D.O. (mg/L) 1.25 1.30	pH 6.84 6.84 6.84	ORP (mV) 99.1 99.4 99.7	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6	Cond. (uS/cm) 365.6 365.6 365.4 365.4 365.5	D.O. (mg/L) 1.25 1.30 1.32 1.39 1.32	pH 6.84 6.84 6.85 6.84	ORP (mV) 99.1 99.4 99.7 99.8 99.5	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 TYPICAL A	Cond. (uS/cm) 365.6 365.6 365.4 365.4 365.5	D.O. (mg/L) 1.25 1.30 1.32 1.39 1.32	pH 6.84 6.84 6.85 6.85	ORP (mV) 99.1 99.4 99.7 99.8 99.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 (8260) (8010	Cond. (uS/cm) 365.6 365.4 365.4 365.5 NALYSIS AI	D.O. (mg/L) 1.25 1.30 1.32 1.39 1.32 LOWED PE	6.84 6.84 6.85 6.85 CR BOTTLE	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 365.6 365.6 365.4 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD:	D.O. (mg/L) 1.25 1.30 1.32 1.39 1.32 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (TSS) (B	6.84 6.84 6.85 6.84 CR BOTTLE NWTPH-Gx PH-Dx) (TPH-Dx) (TPH-Dx) (Turbi	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write note (8141) (Oil & Gr.) (HCO3/CO3) (Co.)	(ft) non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 (8260) (8010 (8270D) (PA) (PH) (Conduction) (TOO	Cond. (uS/cm) 365.6 365.6 365.4 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPH activity) (TD: C) (Total PO-	1.25 1.30 1.32 1.39 1.32 1.39 1.32 LOWED PERWITPH-G) (NWTPH-G) (NWTPH	6.84 6.84 6.85 6.84 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbi	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write note (8141) (Oil & Gr.) (HCO3/CO3) (Co.)	(ft) non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPF activity) (TDs C) (Total PO-	1.25 1.30 1.32 1.39 1.32 LOWED PE WTPH-G) (NWTP S) (TSS) (B	6.84 6.84 6.85 6.84 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbi dahl Nitroger Cyanide)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gr) (HCO3/CO3) (C)	on-standard a ease)	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:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 1.25 1.30 1.32 1.39 1.32 LOWED PE WTPH-G) (NWTP S) (TSS) (B I) (Total Kie anide) (Free Ba) (Be) (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX PH-DX) (TPH GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (AS) (Sb) (setals) (AS) (Sb) (setals) (AS) (Sb)	D.O. (mg/L) 1.25 1.30 1.32 1.39 1.32 LOWED PE WTPH-G) (NWTP S) (TSS) (B I) (Total Kie anide) (Free Ba) (Be) (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (AS) (Sb) (setals) (AS) (Sb) (setals) (AS) (Sb)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 18.6 18.6 18.6 18.6 18.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 365.6 365.6 365.4 365.5 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD) C) (Total PO-4 de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	1.25 1.30 1.32 1.39 1.32 1.39 1.32 1.0WED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (Bs) (Total Kie anide) (Free Ba) (Be) (Case (Ca	6.84 6.84 6.85 6.84 CR BOTTLE NUTPH-GX OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 99.1 99.4 99.7 99.8 99.5 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in (8141) (Oil & Gr.) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (No.)	ease) Ni) (Ag) (Se)	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	ne <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1140		
Sample Nun	nber:	RGW208S-	190812		Weather:	CLEAR SUNNY	<i>T</i>		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	8.03	Time:	-	Flow through cel	ll vol.		GW Meter No.(s	s SLOPE 10
	Date/Time:			End Purge:	•	8/ 12 /2019 @	1127	Gallons Purged:	0.25
Purge water of			55-gal Drum	Ĭ.	Storage Tank	Ground		SITE TREATM	
	1					_			
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 fo	. ,	>/= 1 flow	obser various
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1113	19.7	494.0	3.77	6.28	-83.0	LOW	8.03		
1116	19.4	497.2	6.24	6.29	-94.6		8.03		
1119	19.5	485.7	7.52	6.30	-99.0		8.03		
1122	19.5	483.3	7.65	6.30	-99.0				
-									
1125	19.7	472.6	7.98	6.31	-100.0				
SAMPLE CO	LLECTION D								
Sample Colle	cted 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							
, ,	ii Oraci)								
· -		—	, sheen, etc.):	SLIGHTLY	YELLOW AND	ΓURBID NO/NS			
Sample Descri	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·				DOW		
· -		—	D.O. (mg/L)	SLIGHTLY pH	YELLOW AND TO	Turbidity	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 470.5	D.O. (mg/L)	рН 6.31	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.6	Cond. (uS/cm) 470.5	D.O. (mg/L) 7.97	pH 6.31 6.31	ORP (mV) -100.2	Turbidity			
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 470.5	D.O. (mg/L)	рН 6.31	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.6	Cond. (uS/cm) 470.5	D.O. (mg/L) 7.97	pH 6.31 6.31	ORP (mV) -100.2	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.6 19.7	Cond. (uS/cm) 470.5 469.9	D.O. (mg/L) 7.97 7.98 8.05	pH 6.31 6.31 6.31	ORP (mV) -100.2 -100.4 -100.5	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5	Cond. (uS/cm) 470.5 469.9 469.2 470.0	D.O. (mg/L) 7.97 7.98 8.05 8.05	6.31 6.31 6.31 6.31 6.31	ORP (mV) -100.2 -100.4 -100.5 -100.6	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.7 19.5 19.6 TYPICAL A	Cond. (uS/cm) 470.5 469.9 469.2 470.0	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PE	6.31 6.31 6.31 6.31 6.31 6.31	ORP (mV) -100.2 -100.4 -100.5 -100.6 -100.4	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI	D.O. (mg/L) 7.97 7.98 8.05 8.01 LOWED PERWYPH-G) (1997)	6.31 6.31 6.31 6.31 6.31 CR BOTTLE	ORP (mV) -100.2 -100.4 -100.5 -100.6 -100.4 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.5 19.6 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PE	6.31 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPH	ORP (mV) -100.2 -100.4 -100.5 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (P4) (pH) (Condu	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWIPH-G) (NWTFF-G) (NWTFF-G) (NWTFF-G) (TSS) (E	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) -100.2 -100.4 -100.5 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Gr.) (HCO3/CO3) (Gr.)	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PENWTPH-G) (NWTPH-G) (NWTPH	6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPFBOD) (Turbidahl Nitroger	ORP (mV) -100.2 -100.4 -100.5 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Gr.) (HCO3/CO3) (Gr.)	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals)	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI (0) (8020) (NALYSIS AI (0) (NWTPHETIVITY) (TDS (C) (Total PO-de) (WAD Cy) (AS) (Sb) (D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PE WTPH-G) (NWTF S) (TSS) (B 4) (Total Kieranide) (Free Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (Total Cyanical Metals) (Dissolved M	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PE WTPH-G) (NWTF S) (TSS) (B 4) (Total Kieranide) (Free Ba) (Be) (Ca	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI 0) (8020) (N AH) (NWTPH uctivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI (0) (8020) (N AH) (NWTPHetivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (detals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	pH 6.31 6.31 6.31 6.31 6.31 6.31 ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi ddhl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.6 -100.4 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a rease) Cl) (SO4) (NC	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 19.6 19.6 19.7 19.5 19.6 TYPICAL A (8260) (8016 (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 470.5 470.5 469.9 469.2 470.0 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS C) (Total PO4 de) (WAD Cy de) (AS) (Sb) (detals) (As) (Sb) g short list) hane Ethene Ad	D.O. (mg/L) 7.97 7.98 8.05 8.05 8.01 LOWED PERMYPH-G) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cande Cande	pH 6.31 6.31 6.31 6.31 6.31 CR BOTTLE (NWTPH-Gx PH-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -100.2 -100.4 -100.5 -100.6 -100.4 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 in the interval of the in	non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) (Tl) (V	(Fe II)	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1400		
Sample Nun	nber:	RGW259S-	190813		Weather:	CLEAR SUNNY			
Landau Rep	resentative:	SRB							
WATER LEV	'EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:			
DTW Before		5.28	Time:	-	Flow through ce			GW Meter No.(s	s SI OPF 4
	Date/Time:			End Purge:	_	8/ 13 /2019 @	1353	Gallons Purged:	
Purge water d			55-gal Drum		Storage Tank	Ground		SITE TREATM	
i uige water u	isposed to.	-		-	Storage Tank	⊕ Ground	Other	SITE TREATM	ENT STSTEM
TP\$	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 rea	(NTU) dings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1333	22.4	379.5	1.05	6.43	18.1	HIGH	5.7		
1336	24.4	316.9	0.96	6.56	5.7		5.7		
	·		-	-				-	
1339		316.1	1.03	6.57	5.3		5.7		
1342	24.3	314.7	1.28	6.57	4.4				
1345	24.3	314.8	1.36	6.57	3.8				
1348	24.3	315.1	1.44	6.57	2.9				
1351	24.3	315.2	1.50	6.57	2.2				
SAMPLE CO	LLECTION D	ATA							
Sample Collection			Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lura:	Alconox Was	_	Tap Rinse	DI Water	Dedicated			
(By Numerica		·	··· •	rap Kinse	□ Di Water	Dedicated			
(Dy Ivanierica									
		Other	sheen etc.):	OP ANCE T	LIDDID NO/NG				
		_	, sheen, etc.):	ORANGE T	URBID NO/NS				
		_	D.O. (mg/L)	ORANGE T	URBID NO/NS ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	•			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 314.8	D.O. (mg/L)	рН 6.57	ORP (mV)	•			
Replicate 1 2	Temp (°F/°C) 24.3	Cond. (uS/cm) 314.8 315.1	D.O. (mg/L) 1.53	рН 6.57 6.57	ORP (mV) 1.9	•			
Sample Descr Replicate	Temp (°F/°C) 24.3 24.4	Cond. (uS/cm) 314.8 315.1 315.5	D.O. (mg/L) 1.53 1.55	pH 6.57 6.57 6.57	ORP (mV) 1.9 1.6	•			
Replicate 1 2	Temp (°F/°C) 24.3	Cond. (uS/cm) 314.8 315.1	D.O. (mg/L) 1.53	рН 6.57 6.57	ORP (mV) 1.9	•			
Replicate 1 2 3	Temp (°F/°C) 24.3 24.4	Cond. (uS/cm) 314.8 315.1 315.5	D.O. (mg/L) 1.53 1.55	pH 6.57 6.57 6.57	ORP (mV) 1.9 1.6	•			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2	D.O. (mg/L) 1.53 1.55 1.57 1.57	pH 6.57 6.57 6.57 6.57 6.57	ORP (mV) 1.9 1.6 1.5 1.2 1.6	(NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2	D.O. (mg/L) 1.53 1.55 1.57 1.57 1.56 LOWED PE	6.57 6.57 6.57 6.57 6.57 6.57	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a)	(NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYTPH-G) (MARCH 1981)	6.57 6.57 6.57 6.57 6.57 8.8 BOTTLE NWTPH-Gx	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a)) (BTEX)	(NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PE	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-GX H-Dx) (TPF	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD)	D.O. (mg/L) 1.53 1.55 1.57 1.57 1.56 LOWED PE WTPH-G) (NWTP S) (TSS) (B	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx PH-Dx) (TPH-OD) (Turbi	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERWITPH-G) (NWTPH-G) (NTG) (NT	6.57 6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbidahl Nitroger	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TD: cc) (Total PO-	1.53 1.55 1.57 1.56 LOWED PE WTPH-G) (NWTP S) (TSS) (B H) (Total Kie anide) (Free	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx PH-Dx) (TPF OD) (Turbidahl Nitroger Cyanide)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C	non-standard a rease) Cl) (SO4) (NO	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) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (AS) (Sb) (detals) (AS) (Sb) (State)	1.53 1.55 1.57 1.56 LOWED PE WTPH-G) (NWTP S) (TSS) (B () (Total Kie anide) (Free Ba) (Be) (Ca	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TD) (1) (Total PO- (1) (WAD Cy (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI 0) (8020) (N AH) (NWTPHetivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (AS) (Sb) (detals) (AS) (Sb) (State)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TD) (1) (Total PO- (1) (WAD Cy (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TD) (1) (Total PO- (1) (WAD Cy (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TD) (1) (Total PO- (1) (WAD Cy (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TD) (1) (Total PO- (1) (WAD Cy (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 314.8 315.1 315.5 315.4 315.2 NALYSIS AI (0) (8020) (N AH) (NWTPHetrivity) (TD) (1) (Total PO- (1) (WAD Cy (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.53 1.55 1.57 1.56 LOWED PERMYPH-G) (M-D) (NWTP S) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.57 6.57 6.57 6.57 6.57 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbi dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 1.9 1.6 1.5 1.2 1.6 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write 1 (8141) (Oil & Gr) (HCO3/CO3) (C/NO2) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (NC	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1320		
Sample Num	nber:	RGW260S-	190813		Weather:	CLEAR SUNN	<u> </u>		
Landau Repr	resentative:	SRB							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	5.51	Time:	1245	Flow through ce	ll vol.		GW Meter No.(s SLOPE 4
Begin Purge:	Date/Time:	8/ 13 /2019	1250	End Purge:	Date/Time:	8/ 13 /2019 @	1313	Gallons Purged:	0.5
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)	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	
1253	22.7	343.8	1.23	6.41	-83.4	LOW	5.41		
1256	22.6	344.4	1.94	6.41	-86.5		5.41		
1259	22.6	344.5	2.27	6.42	-88.2		5.41		
1302	22.5	344.4	2.50	6.42	-89.2				
1305	22.6	344.6	2.68	6.42	-90.3				
-				6.42					
1308	22.6	344.7	2.80		-90.8				
1311	22.4	344.2	2.96	6.42	-91.8				
-									
SAMPLE CO			D 11		D D T	DED DY (DDED			
Sample Collec	cted With:	. —	Bailer	_		DED BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	h 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica									
		Other							
•			, sheen, etc.):	SLIGHTLY	GRAY AND TUI	RBID NO/NS			
Sample Descr	iption (color,		· -				DTW	Ferrous iron	Comments/
•		turbidity, odor,	D.O. (mg/L)	SLIGHTLY pH	GRAY AND TUI ORP (mV)	RBID 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) 344.0	D.O. (mg/L)	pH 6.42	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 22.4	Cond. (uS/cm) 344.0 343.9	D.O. (mg/L) 2.99 3.00	рН 6.42 6.42	ORP (mV) -92.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 22.4 22.4	Cond. (uS/cm) 344.0 343.9	D.O. (mg/L) 2.99 3.00	pH 6.42 6.42 6.42	ORP (mV) -92.0 -92.2	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 22.4 22.4 22.4 22.4	Cond. (uS/cm) 344.0 343.9 343.9	D.O. (mg/L) 2.99 3.00 3.01 3.03	pH 6.42 6.42 6.42 6.42	ORP (mV) -92.0 -92.0 -92.2 -92.3	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 22.4 22.4	Cond. (uS/cm) 344.0 343.9	D.O. (mg/L) 2.99 3.00	pH 6.42 6.42 6.42	ORP (mV) -92.0 -92.2	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01	6.42 6.42 6.42 6.42 6.42	ORP (mV) -92.0 -92.2 -92.3 -92.1	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE	6.42 6.42 6.42 6.42 6.42	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (NAH) (NWTPH	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP S) (TSS) (B	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-Gx PH-Dx) (TPF-OD) (Turbi	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gill) (HCO3/CO3) (MCO3/CO3)	(ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 22.4 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 344.0 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP 6) (TSS) (B	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbidahl Nitroger	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gill) (HCO3/CO3) (MCO3/CO3)	(ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 22.4 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 344.0 343.9 343.7 343.9 NALYSIS AL (0) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO4 (le) (WAD Cy	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (Be) (Total Kie anide) (Free	6.42 6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-Gx H-Dx) (TPH OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Ground Company) (MCO3/CO3) (MCO3)	non-standard a	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 □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL (0) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cya) () (As) (Sb) (I	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 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) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 le) (WAD Cyt) () (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 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) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 le) (WAD Cyt) () (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 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) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy; de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 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) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy; de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 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) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy; de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 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) (0/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy; de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (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	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate San	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy; de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (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	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.4 22.4 22.4 22.4 22.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 344.0 343.9 343.9 343.7 343.9 NALYSIS AL 0) (8020) (N AH) (NWTPH activity) (TDS C) (Total PO4 de) (WAD Cy; de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.99 3.00 3.01 3.03 3.01 LOWED PE WTPH-G) (NWTP G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.42 6.42 6.42 6.42 6.42 CR BOTTLE NWTPH-GX PH-Dx) (TPF OD) (Turbi dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -92.0 -92.2 -92.3 -92.1 TYPE (Circle a) (BTEX) H-HCID) (8081) dity) (Alkalinity (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	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (F)	Observations OR □ OR □ OR □



-	e <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	1019		
Sample Num	nber:	RGW031S-	190813		Weather:	SUNNY, WARM	M		
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	RGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.01	Time:	939	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 13 /2019	@ 950	End Purge:	Date/Time:	8/ 13 /2019 @	1012	Gallons Purged:	<0.5
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Т	Cand	D.O.	17	ORP	Turbidity	DTW	Internal Dunce	Commental
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	(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	
953	23.9	440.9	0.51	6.4	-33.5		5.00		
956	23.8	443.7	0.45	6.39	-43.2		5.01		
959	24.0	446.2	0.37	6.41	-45.8		5.01		
1002	24.3	449.1	0.33	6.42	-48.2				
1005	24.3	450.8	0.32	6.43	-50.0				
1008	24.4	452.3	0.33	6.44	-50.9				
				-					
SAMPLE CO									
Sample Collec	cted With:		Bailer		Pump/Pump Type			_	
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	U Other	Dedicated	
Decon Proced	_	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other							
Sample Descr	ription (color, t	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, DARK FINES			
Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
reproduc	- cp			P	0.112	I di Siditi	22.11	I cirous iron	Committee
	(°F/°C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	(Fe II)	Observations
1	(° F/ ° C) 24.4	(uS/cm) 452.9	(mg/L)	6.44	(mV)	(NTU)	(ft)	(Fe II)	Observations
	24.4	452.9	0.31	-	-51.5	(NTU)	(ft)	(Fe II)	Observations
2	24.4	452.9 453.2	0.31	6.44	-51.5 -51.9	(NTU)	(ft)	(Fe II)	Observations
2 3	24.4 24.3 24.3	452.9 453.2 453.4	0.31 0.30 0.30	6.44	-51.5 -51.9 -52.4	(NTU)	(ft)	(Fe II)	Observations
2	24.4	452.9 453.2	0.31	6.44	-51.5 -51.9	(NTU)	(ft)	(Fe II)	Observations
2 3	24.4 24.3 24.3	452.9 453.2 453.4	0.31 0.30 0.30	6.44	-51.5 -51.9 -52.4	(NTU) #DIV/0!	(ft)	(Fe II)	Observations
2 3 4 Average:	24.4 24.3 24.3 24.3 24.3	452.9 453.2 453.4 453.4 453.2	0.31 0.30 0.30 0.33 0.31	6.44 6.44 6.44	-51.5 -51.9 -52.4 -52.7 -52.1				Observations
2 3 4 Average:	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A	452.9 453.2 453.4 453.4 453.2	0.31 0.30 0.30 0.33 0.31 LOWED PE	6.44 6.44 6.44 6.44	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a)	#DIV/0!			Observations OR OR
2 3 4 Average:	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF	452.9 453.2 453.4 453.2 NALYSIS AI 0) (8020) (N	0.31 0.30 0.30 0.33 0.31 LOWED PE WYPH-G) (6.44 6.44 6.44 6.44 R BOTTLE NWTPH-Gx	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle application of the company of the com	#DIV/0! pplicable or write 1 (8141) (Oil & Great	non-standard a	nalysis below)	
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	452.9 453.2 453.4 453.4 453.2 NALYSIS AI (2) (8020) (N M) (NWTPH- activity) (TD)	0.31 0.30 0.30 0.33 0.31 LOWED PE NWTPH-G) (D) (NWTPH S) (TSS) (B	6.44 6.44 6.44 6.44 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbic	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle ap) (BTEX) HCID) (8081) (dity) (Alkalinity	#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA	OR 🗆
2 3 4 Average:	24.4 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	452.9 453.2 453.4 453.4 453.2 NALYSIS AI (1) (8020) (NI) (NWTPH- (1) (NUTPH- (1) (TD) (TD) (TD) (TD) (TD) (TD) (TD) (TD	0.31 0.30 0.30 0.33 0.31 LOWED PE NWTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.44 6.44 6.44 6.44 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle application of the company of the com	#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA WA WA	OR 🗆
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOC (Total Cyanid	452.9 453.2 453.4 453.4 453.2 NALYSIS AI 0) (8020) (N II) (NWTPH- activity) (TDS C) (Total PO- e) (WAD Cy	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free	6.44 6.44 6.44 6.44 R BOTTLE NWTPH-GX -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle approximately) (BTEX) HCID) (8081) (dity) (Alkalinity approximately) (NH3) (NO3.	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Over 1400)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA WA O WA WA O WA	OR OR
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	452.9 453.2 453.4 453.2 NALYSIS AI 0) (8020) (N I) (NWTPH- activity) (TD: C) (Total PO- e) (WAD Cy 0) (As) (Sb) (0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.44 6.44 6.44 6.44 RROTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M	452.9 453.2 453.4 453.2 NALYSIS AI 0) (8020) (N II) (NWTPH- lectivity) (TDS C) (Total PO- e) (WAD Cy o) (As) (Sb) (etals) (As) (Sb) (St	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.44 6.44 6.44 6.44 RROTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR OR
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	452.9 453.2 453.4 453.2 NALYSIS AI 0) (8020) (N II) (NWTPH- lectivity) (TDS C) (Total PO- e) (WAD Cy o) (As) (Sb) (etals) (As) (Sb) (St	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.44 6.44 6.44 6.44 RROTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	452.9 453.2 453.4 453.4 453.2 NALYSIS AI (I) (8020) (N (I) (NWTPH- (Ictivity) (TD: (I) (Total PO- (I) (WAD Cy (I) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (Setals) (Setals	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.44 6.44 6.44 6.44 RROTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	452.9 453.2 453.4 453.4 453.2 NALYSIS AI (I) (8020) (N (I) (NWTPH- (Ictivity) (TD: (I) (Total PO- (I) (WAD Cy (I) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (Setals) (Setals	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.44 6.44 6.44 6.44 RROTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	452.9 453.2 453.4 453.4 453.2 NALYSIS AI (I) (8020) (N (I) (NWTPH- (Ictivity) (TD: (I) (Total PO- (I) (WAD Cy (I) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (Setals) (Setals	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.44 6.44 6.44 6.44 RROTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	452.9 453.2 453.4 453.2 NALYSIS AI (1) (8020) (N (1) (NWTPH- (1) (Total PO- (2) (Total PO- (2) (As) (Sb) ((etals) (As) (Sb) (g short list)	0.31 0.30 0.30 0.33 0.31 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	6.44 6.44 6.44 6.44 6.7 6.44 6.44 6.44 6	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □ OR □
2 3 4 Average: QUANTITY 5 1 Duplicate San	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	452.9 453.2 453.4 453.2 NALYSIS AI (1) (8020) (N (1) (NWTPH- (1) (Total PO- (2) (Total PO- (2) (As) (Sb) ((etals) (As) (Sb) (g short list)	0.31 0.30 0.30 0.33 0.31 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.44 6.44 6.44 6.44 6.7 6.44 6.44 6.44 6	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □ OR □
2 3 4 Average: QUANTITY 5	24.4 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	452.9 453.2 453.4 453.2 NALYSIS AI (1) (8020) (N (1) (NWTPH- (1) (Total PO- (2) (Total PO- (2) (As) (Sb) ((etals) (As) (Sb) (g short list)	0.31 0.30 0.30 0.33 0.31 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	6.44 6.44 6.44 6.44 6.7 6.44 6.44 6.44 6	-51.5 -51.9 -52.4 -52.7 -52.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity h) (NH3) (NO3)	#DIV/0! pplicable or write in (8141) (Oil & Great) (HCO3/CO3) (Oil (MCO2) (Pb) (Mg) (Mn) (1	ase) Cl) (SO4) (NO	malysis below) WA	OR □ OR □ OR □



	ie:	Boeing Ren	iton		Project Number	er <u>:</u>	0025217.099.0)99	
Event:		Quarterly A	august 2019		Date/Time:	8/ 13 /2019@	830		
Sample Num	nber:	RGWDUP2	2 190813		Weather:	SUNNY, WARN	Л		
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES	5)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.01	Time:	939	Flow through ce	ell vol.		GW Meter No.(s HERON-1
Begin Purge:				End Purge:	-	8/ 13/2019 @	1012	Gallons Purged:	
Purge water d			55-gal Drum	Ē	Storage Tank	Ground		SITE TREATM	-
	•					_			
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	` ′	dings within the fo	. , ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
-		DUI	PLICA	TE 7	TO RGV	W031S		-	
	· ———					•			
								· 	
-	· (-		-	
SAMPLE CO	LI FCTION D	ΔΤΔ			•				
Sample Collection			Bailer		Pump/Pump Typ	e BLADDER			
Made of:	cica wiai.	Stainless Ste		_	Teflon	Polyethylene	Other	Dedicated	
							LI Other	Dedicated	
Decon Proced		Alconox Was	sh 📙	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
Sample Decer		_							
Sample Descr	ription (color,	turbidity, odor	r, sheen, etc.)	CLEAR, CO	LORLESS, NO/	NS, DARK FINES			
							DTW	Farmous iron	Commental
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	CLEAR, CO	OLORLESS, NO/I	NS, DARK FINES Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 453.1	D.O. (mg/L)	рН 6.44	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C) 24.3 24.3	Cond. (uS/cm) 453.1 453.3	D.O. (mg/L) 0.30 0.32	pH 6.44 6.44	ORP (mV) -51.6	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 453.1	D.O. (mg/L)	рН 6.44	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 24.3 24.3	Cond. (uS/cm) 453.1 453.3	D.O. (mg/L) 0.30 0.32	pH 6.44 6.44	ORP (mV) -51.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 24.3 24.3 24.3	Cond. (uS/cm) 453.1 453.3 453.6	D.O. (mg/L) 0.30 0.32	pH 6.44 6.44 6.44	ORP (mV) -51.6 -52.3 -52.7	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4	D.O. (mg/L) 0.30 0.32 0.31 0.32	6.44 6.44 6.44 6.44	ORP (mV) -51.6 -52.3 -52.7 -52.7	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 TYPICAL A	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31	pH 6.44 6.44 6.44 6.44 6.44 6.44	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PF	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PRINTPH-G) (MWTPH-G) (MWTPH-G)	pH 6.44 6.44 6.44 6.44 6.44 6.WTPH-Gx I-Dx) (TPH-	ORP (mV) -51.6 -52.3 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write 1 (8141) (Oil & Great	(ft) non-standard a	malysis below) WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI 0) (8020) (NH) (NWTPHactivity) (TD)	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PH NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (E	6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-GOD) (Turbi	ORP (mV) -51.6 -52.3 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write 1 (8141) (Oil & Great) (HCO3/CO3) (C	(ft) non-standard a	malysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHetivity) (TD) (C) (Total PO-	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PI NWTPH-G) D) (NWTPH-S) (ES) (TSS) (ES) (ES) (ES) (ES) (ES) (ES) (ES) (pH 6.44 6.44 6.44 6.44 6.44 CR BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -51.6 -52.3 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write 1 (8141) (Oil & Great) (HCO3/CO3) (C	(ft) non-standard a	malysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPH- (ctivity) (TD: (C) (Total PO- (de) (WAD Cy	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (VWTPH-G) (VWTP	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbickled Nitrogen Cyanide)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the second	non-standard a	malysis below) WA WA O3) (NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 453.1 453.3 453.6 453.4 NALYSIS AI 0) (8020) (N H) (NWTPH- uctivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PF NWTPH-G) (NWTPF S) (TSS) (E 4) (Total Kie (yanide) (Free (Ba) (Be) (Ca	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI 0) (8020) (N H) (NWTPH- (ictivity) (TD) (C) (Total PO- (le) (WAD Cy () (As) (Sb) ((etals) (As) (Sb) ((D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PF NWTPH-G) (NWTPF S) (TSS) (E 4) (Total Kie (yanide) (Free (Ba) (Be) (Ca	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHetivity) (TD: (Total POde) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 CLOWED PF NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EW) (EW) (EW) (EW) (EW) (EW) (EW) (EW	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI 0) (8020) (N H) (NWTPH- (ictivity) (TD) (C) (Total PO- (le) (WAD Cy () (As) (Sb) ((etals) (As) (Sb) ((D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 CLOWED PF NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EW) (EW) (EW) (EW) (EW) (EW) (EW) (EW	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHetivity) (TD: (Total POde) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 CLOWED PF NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EW) (EW) (EW) (EW) (EW) (EW) (EW) (EW	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHetivity) (TD: (Total POde) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 CLOWED PF NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EW) (EW) (EW) (EW) (EW) (EW) (EW) (EW	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHetivity) (TD: (Total POde) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 CLOWED PF NWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (EW) (EW) (EW) (EW) (EW) (EW) (EW) (EW	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHetivity) (TD: (Total POde) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PF NWTPH-G) (NWTPH-S) (TSS) (E 4) (Total Kie yanide) (Free (Ba) (Be) (C b) (Ba) (Be) (C cetylene	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis 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) 24.3 24.3 24.3 24.3 24.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 453.1 453.3 453.6 453.6 453.4 NALYSIS AI (0) (8020) (NH) (NWTPHactivity) (TDal (C) (Total PO- (de) (WAD Cy (de) (As) (Sb) (detals) (As) (detals) (detals	D.O. (mg/L) 0.30 0.32 0.31 0.32 0.31 LLOWED PF NWTPH-G) (NWTPH-S) (TSS) (E 4) (Total Kie yanide) (Free (Ba) (Be) (C b) (Ba) (Be) (C cetylene	pH 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx I-Dx) (TPH-BOD) (Turbicked Nitrogenese Cyanide) a) (Cd) (Co)	ORP (mV) -51.6 -52.3 -52.7 -52.7 -52.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the second of the	non-standard a ase) Cl) (SO4) (No	(Fe II) analysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



	ne <u>:</u>	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:	-	Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1223		
Sample Nun	nber:	RGW033S-	190813		Weather:	SUNNY, HOT			
Landau Rep	resentative:	BXM							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	5.10	Time:	1150	Flow through cei	ll vol.		GW Meter No.(s HERON-
	Date/Time:			End Purge:	•	8/ 13 /2019 @	1220	Gallons Purged:	
Purge water d		$\overline{}$	55-gal Drum		Storage Tank	Ground		SITE TREATM	
C	•						<u> </u>		
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	. ,	dings within the fo		>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1200	24.2	466.4	0.17	6.43	-72.4		5.13		
203	25.3	465.9	0.21	6.41	-70.5		5.12		
1206	25.9	464.8	0.29	6.41	-72.4		5.12		
1209	-		_	6.42					
	-	468.5	0.31		-75.0				
1212	27.3	472.2	0.25	6.43	-77.5		-		
1215	27.8	474.7	0.27	6.43	-78.6				
1218	27.9	475.5	0.27	6.43	-79.1				
SAMPLE CO	LLECTION D	ATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica		□ <							
(D) minerica	ıl Order)	Other							
· ·			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, DARK FINES			
· ·			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, DARK FINES			
	ription (color,	turbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW (ft)	Ferrous iron	Comments/
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 475.8	D.O.		ORP (mV)	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 475.8	D.O. (mg/L)	рН 6.44	ORP (mV)	Turbidity			
Sample Descri Replicate 1 2	Temp (°F/°C) 27.9 28.0	Cond. (uS/cm) 475.8	D.O. (mg/L) 0.31	рН 6.44 6.43	ORP (mV) -79.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 27.9 28.0 28.0	Cond. (uS/cm) 475.8 476.1	D.O. (mg/L) 0.31 0.31	pH 6.44 6.43 6.43	ORP (mV) -79.1 -79.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.9 28.0 28.1 28.0	Cond. (uS/cm) 475.8 475.8 476.1 476.2	D.O. (mg/L) 0.31 0.31 0.30 0.32	pH 6.44 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.1 -79.3 -79.3 -79.2	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0	D.O. (mg/L) 0.31 0.30 0.32 0.31	pH 6.44 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.1 -79.3 -79.3 -79.2 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AL	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PE	6.44 6.43 6.43 6.43 6.43 6.43 CR BOTTLE	ORP (mV) -79.1 -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	(ft)	nalysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PERMITPH-G) (pH 6.44 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX -Dx) (TPH-	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AL 0) (8020) (N d) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (NWTPH-G) (D) (NWTPH-G) (TSS) (E	6.44 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbi	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAH (PH) (Condu	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AL 0) (8020) (N d) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PERMITPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (TSS) (E) (Total Kie	6.44 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-GOD) (Turbidahl Nitroger	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 475.8 476.1 476.2 476.0 NALYSIS AL 0) (8020) (N d) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PF IWTPH-G) (D) (NWTPH S) (TSS) (E H) (Total Kie anide) (Free	pH 6.44 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AI (D) (8020) (N H) (NWTPH- lectivity) (TDS (C) (Total PO4 lee) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PE WTPH-G) (D) (NWTPH-G) (Total Kiesenide) (Free Ba) (Be) (Ca	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle all) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.8 476.1 476.2 476.0 NALYSIS AL () (8020) (N H) (NWTPH-Intrivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (e) g short list)	D.O. (mg/L) 0.31 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle all) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AL (0) (8020) (N H) (NWTPH-lectivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (cetals) (As) (Sb) (Sb)	D.O. (mg/L) 0.31 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle all) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.8 476.1 476.2 476.0 NALYSIS AL () (8020) (N H) (NWTPH-Intrivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (e) g short list)	D.O. (mg/L) 0.31 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle all) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.8 476.1 476.2 476.0 NALYSIS AL () (8020) (N H) (NWTPH-Intrivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (e) g short list)	D.O. (mg/L) 0.31 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.8 476.1 476.2 476.0 NALYSIS AL () (8020) (N H) (NWTPH-Intrivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (e) g short list)	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (MYTPH-G) (M	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.8 476.1 476.2 476.0 NALYSIS AL () (8020) (N H) (NWTPH-Intrivity) (TDS () (Total PO4 (e) (WAD Cy () (As) (Sb) (e) g short list)	D.O. (mg/L) 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (MYTPH-G) (M	6.44 6.43 6.43 6.43 6.43 6.43 6.7 6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) -79.1 -79.3 -79.3 -79.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.9 28.0 28.0 28.1 28.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Metals) (Dissolved M VOC (Boein Methane Ether) others	Cond. (uS/cm) 475.8 475.8 476.1 476.2 476.0 NALYSIS AL (0) (8020) (N H) (NWTPH-lactivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (g short list) (anne Ethene Ad	D.O. (mg/L) 0.31 0.31 0.30 0.32 0.31 LOWED PERMYPH-G) (D) (NWTPH-G) (TSS) (ES) (Total Kieanide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 6.44 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -79.1 -79.3 -79.3 -79.2 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 & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO (Ni) (Ag) (Se) (Ag) (Se) (TI) (V	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1328		
Sample Num	nber:	RGW034S-	190813		Weather:	SUNNY, HOT			
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.23	Time:	1248	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 13 /2019	@ 1259	End Purge:	Date/Time:	8/ 13/2019@	1322	Gallons Purged:	<0.5
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)	•	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablizatio +/- 3%		ers for three +/- 0.1 units		dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
1202						+/- 10 /6		tin ough cen	
1302	27.7	337.8	0.16	6.58	-74.9		5.23		
1305	28.2	337.2	0.18	6.58	-77.2	-	5.24		
1308	28.5	337.0	0.17	6.59	-81.0		5.24		
1311	28.7	337.4	0.14	6.60	-82.3				
1314	28.6	337.0	0.16	6.60	-83.1				
1317	28.8	336.7	0.16	6.60	-84.0				
1320		336.4	0.15	6.61	-85.4				
1020	20.5			0.01		-			
SAMPLE CO	LLECTION D	ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated	_	_	
			_						
(By Numerica	ıl Order)	Other							
· •			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	ıs	•		
· •			, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	NS			
· •			D.O. (mg/L)	CLEAR, CO	ORP (mV)	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)	Cond. (uS/cm) 336.5	D.O. (mg/L)	рН 6.61	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 28.9 28.9	Cond. (uS/cm) 336.5 336.5	D.O. (mg/L) 0.15 0.15	pH 6.61 6.61	ORP (mV) -85.5 -85.4 -85.3	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 28.9 28.9 28.9	Cond. (uS/cm) 336.5 336.5 336.5	D.O. (mg/L) 0.15 0.15 0.15 0.18	pH 6.61 6.61 6.62	ORP (mV) -85.5 -85.4 -85.3 -85.6	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.9 28.9 28.9 28.9	Cond. (uS/cm) 336.5 336.5 336.5 336.5	D.O. (mg/L) 0.15 0.15 0.15 0.18 0.16	pH 6.61 6.61 6.62 6.61	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9	Cond. (uS/cm) 336.5 336.5 336.5 336.5	D.O. (mg/L) 0.15 0.15 0.15 0.18 0.16 LOWED PE	pH 6.61 6.61 6.62 6.61 R BOTTLE	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 (8260) (8010	Cond. (uS/cm) 336.5 336.5 336.5 336.5 336.5 0) (8020) (N	D.O. (mg/L) 0.15 0.15 0.15 0.18 0.16 LOWED PE	6.61 6.61 6.62 6.61 R BOTTLE	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 (8260) (8010) (8270) (PAF	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AI (0) (8020) (NH) (NWTPH-I	D.O. (mg/L) 0.15 0.15 0.15 0.18 0.16 LOWED PE IWTPH-G) (D) (NWTPH	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-GX -Dx) (TPH-	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Green	non-standard a	nalysis below) WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (0) (8020) (N H) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbi	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (non-standard a	nalysis below)	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAH (PH) (Condu	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (0) (8020) (N H) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (non-standard a	nalysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8016) (8270) (PAF (pH) (Condu	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH- (activity) (TDS) (C) (Total PO4 (de) (WAD Cy	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE IWTPH-G) (D) (NWTPH G) (TSS) (B G) (Total Kiedanide) (Free	pH 6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO4 (e) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B H) (Total Kieranide) (Free Ba) (Be) (Ca	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Intrivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (de) (AS) (Sb) (detals) (AS) (Sb) (g short list)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ca)	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AI () (8020) (N () (NWTPH-lectivity) (TDS () (Total PO4 () (WAD Cy () (As) (Sb) ((etals) (As) (Sb) ((stals) (As) ((stals) ((stals) (As) ((stals) ((st	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ca)	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Intrivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (de) (AS) (Sb) (detals) (AS) (Sb) (g short list)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ca)	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Intrivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (de) (AS) (Sb) (detals) (AS) (Sb) (g short list)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ca)	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Intrivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (de) (AS) (Sb) (detals) (AS) (Sb) (g short list)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ba) (Be) (Ca F) (Ca)	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Intrivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (de) (AS) (Sb) (detals) (AS) (Sb) (g short list)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.9 28.9 28.9 28.9 28.9 28.9 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 336.5 336.5 336.5 336.5 NALYSIS AL (D) (8020) (N (H) (NWTPH-Intrivity) (TDS) (C) (Total PO4 (de) (WAD Cy) (de) (AS) (Sb) (detals) (AS) (Sb) (g short list)	D.O. (mg/L) 0.15 0.15 0.18 0.16 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kiedanide) (Free Ba) (Be) (Ca F) (Ba) (Be) (Ca	6.61 6.61 6.62 6.61 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -85.5 -85.4 -85.3 -85.6 -85.5 TYPE (Circle a orange) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity orange) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (/NO2)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1431		
Sample Num	nber:	RGW038S-	190813		Weather:	CLEAR SUNN	ľ		
Landau Repr	resentative:	SRB							
WATER LEV	'EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.38	Time:	-	Flow through ce	ll vol.		GW Meter No.(SSLOPE 4
Begin Purge:			•	End Purge:	_	8/ 13 /2019 @	1423	Gallons Purged:	
Purge water d			55-gal Drum		Storage Tank	Ground		SITE TREATM	
r arge water a	•								
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 fo	. ,	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1403	20.9	299.9	0.46	6.47	-10.0	HIGH	5.44		
1406	21.2	303.0	0.43	6.46	-24.3	LOW	5.46		
1409	22.2	316.5	0.42	6.43	-35.9		5.46		
				-					
1412	21.3	319.3	0.46	6.43	-42.7		5.46		
1415	21.5	323.0	0.70	6.44	-51.2				
1418	22.7	326.9	1.05	6.44	-58.4				
1421	22.7	332.8	1.26	6.44	-61.7				
SAMPLE CO	LLECTION D	ATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	h 🗍	Tap Rinse	DI Water	Dedicated		_	
(By Numerica	ıl Order)	Other							
			, sheen, etc.):	GRAY TUR	BID NO/NS				
		turbidity, odor	, sheen, etc.):	GRAY TUR	BID NO/NS				
			D.O. (mg/L)	GRAY TUR	BID NO/NS ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	-			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 334.5	D.O. (mg/L)	рН 6.44	ORP (mV)	-			
Sample Descr Replicate 1 2	Temp (°F/°C) 23.5 23.2	Cond. (uS/cm) 334.5 336.5	D.O. (mg/L) 1.41 1.52	рН 6.44 6.44	ORP (mV) -63.2	-			
Replicate 1 2 3	Temp (°F/°C) 23.5 23.2 23.6	Cond. (uS/cm) 334.5 336.5 338.0	D.O. (mg/L) 1.41 1.52 1.58	pH 6.44 6.44 6.45	ORP (mV) -63.2 -64.1 -65.1	-			
Sample Descr Replicate 1 2	Temp (°F/°C) 23.5 23.2 23.6 23.8	Cond. (uS/cm) 334.5 336.5 338.0 339.3	D.O. (mg/L) 1.41 1.52 1.58 1.67	pH 6.44 6.44 6.45 6.44	ORP (mV) -63.2 -64.1 -65.1	(NTU)			
Replicate 1 2 3	Temp (°F/°C) 23.5 23.2 23.6	Cond. (uS/cm) 334.5 336.5 338.0	D.O. (mg/L) 1.41 1.52 1.58	pH 6.44 6.44 6.45	ORP (mV) -63.2 -64.1	-			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55	pH 6.44 6.44 6.45 6.44 6.44	ORP (mV) -63.2 -64.1 -65.1 -66.0	(NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE	6.44 6.44 6.45 6.44 6.44	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6	(NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8016	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE	6.44 6.44 6.44 6.44 6.44 RR BOTTLE	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX)	(NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (NWTPH G) (TSS) (B	6.44 6.45 6.44 6.44 6.44 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbi	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (((ft) non-standard a	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAH (PH) (Condu	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N H) (NWTPH-Intervity) (TDS) C) (Total PO4	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PER (WTPH-G) (D) (NWTPH-G) (B) (TSS) (B) (Total Kie	6.44 6.45 6.44 6.44 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (((ft) non-standard a	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Conduction) (Tool (Total Cyanid	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N H) (NWTPH-Inctivity) (TDS) C) (Total PO4 le) (WAD Cy	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free	pH 6.44 6.45 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & Gre) (HCO3/CO3) (O/NO2)	non-standard a	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 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL (0) (8020) (N H) (NWTPH-Inctivity) (TDS (C) (Total PO4 (de) (WAD Cy (de) (AS) (Sb) (1)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE [WTPH-G) (D) (NWTPH G) (TSS) (B E) (Total Kiellanide) (Freel Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 lectivity) (As) (Sb) (Metals) (As) (Sb) (Steals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE [WTPH-G) (D) (NWTPH G) (TSS) (B E) (Total Kiellanide) (Freel Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I nctivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 lectivity) (As) (Sb) (Metals) (As) (Sb) (Steals) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I nctivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I nctivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I nctivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I nctivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 23.5 23.2 23.6 23.8 23.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 334.5 336.5 338.0 339.3 337.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I nctivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.41 1.52 1.58 1.67 1.55 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca	pH 6.44 6.45 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -63.2 -64.1 -65.1 -66.0 -64.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	ie:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	1422		
Sample Nun	nber:	RGW039S-	190813		Weather:	SUNNY, HOT			
Landau Rep	resentative:	BXM							
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:			
		` '		-				CWA N.	HEDON 1
DTW Before		5	Time:		Flow through ce			GW Meter No.(s	
	Date/Time:	$\overline{}$	_	End Purge:		8/ 13 /2019 @		Gallons Purged:	
Purge water of	disposed to:		55-gal Drum	Ш	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
						dings within the fo	U	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1400	26.7	235.8	0.60	6.09	41.8		5.00		
1403	27.5	240.0	0.88	6.07	33.2		5.00		
1406	28.4	243.3	0.61	6.07	29.8		5.00		
-						-	3.00		-
1409	29.2	246.4	0.67	6.08	29.2				
1412	29.8	249.9	0.65	6.10	29.3				
G + 1 FF F G G							i		
	DLLECTION D		D :1		D /D /T	DI ADDED			
Sample Colle	cted 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							
		_							
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, ORANGE FINE	ES		
Sample Descri	ription (color,	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, ORANGE FINE	ES		
Sample Descri	Temp	Cond.	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
								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 1 2	Temp (°F/°C) 30.1 30.2	Cond. (uS/cm) 251.0 251.6	D.O. (mg/L) 0.68	pH 6.1 6.1	ORP (mV) 29.4 29.3	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 30.1 30.2 30.4	Cond. (uS/cm) 251.0 251.6 252.0	D.O. (mg/L) 0.68 0.60	pH 6.1 6.1 6.1	ORP (mV) 29.4 29.3 29.6	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 30.1 30.2	Cond. (uS/cm) 251.0 251.6	D.O. (mg/L) 0.68	pH 6.1 6.1	ORP (mV) 29.4 29.3	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 30.1 30.2 30.4	Cond. (uS/cm) 251.0 251.6 252.0	D.O. (mg/L) 0.68 0.60	pH 6.1 6.1 6.1	ORP (mV) 29.4 29.3 29.6	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66	6.1 6.1 6.1 6.1	ORP (mV) 29.4 29.3 29.6 29.6 29.5	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66	pH 6.1 6.1 6.1 6.1 6.1 6.1	ORP (mV) 29.4 29.3 29.6 29.6 29.5 TYPE (Circle a	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 30.1 30.2 30.4 30.3 TYPICAL A (8260) (8010	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PERWYPH-G)	6.1 6.1 6.1 6.1 6.1 CR BOTTLE	ORP (mV) 29.4 29.3 29.6 29.6 29.5 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PF	6.1 6.1 6.1 6.1 6.1 KR BOTTLE (NWTPH-GX)	ORP (mV) 29.4 29.3 29.6 29.6 29.5 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) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (2) (8020) (North-lactivity) (TDS)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PERWYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	6.1 6.1 6.1 6.1 6.1 CR BOTTLE (NWTPH-Gx 1-Dx) (TPH-GOD) (Turbi	ORP (mV) 29.4 29.3 29.6 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (2) (8020) (North-lactivity) (TDS)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PERWITPH-G) (MWTPH-G) (MWTP	pH 6.1 6.1 6.1 6.1 6.1 CR BOTTLE (NWTPH-Gx) 1-Dx) (TPH-BOD) (Turbidahl Nitroger	ORP (mV) 29.4 29.3 29.6 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8016 (8270) (PAH (pH) (Condu (COD) (Too	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AL (D) (8020) (N (H) (NWTPH-lectivity) (TDS) (C) (Total PO4 (de) (WAD Cy	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PERWIPH-G) (MWTPH-G) (MWTPH	pH 6.1 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-GX (I-Dx) (TPH-GX) (TPH-GX) (TPH-GX) (TPH-GX) (Turbidahl Nitroger (Cyanide)	ORP (mV) 29.4 29.3 29.6 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (b) (8020) (N (c) (NWTPH-lactivity) (TDS) (c) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PF WTPH-G) (MWTPH-G) (MWTP	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (b) (8020) (N (c) (NWTPH-lactivity) (TDS) (c) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sc)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PF WTPH-G) (MWTPH-G) (MWTP	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (b) (8020) (N (c) (NWTPH-lactivity) (TDS) (c) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sc)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS (2) (Total PO4 (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS (2) (Total PO4 (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS (2) (Total PO4 (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS (2) (Total PO4 (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS (2) (Total PO4 (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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: QUANTITY 5	Temp (°F/°C) 30.1 30.2 30.4 30.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 251.0 251.6 252.0 252.5 251.8 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS (2) (Total PO4 (2) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.68 0.60 0.70 0.66 0.66 LOWED PENWTPH-G) (MWTPH-G) (Total Kiewanide) (Free Ba) (Be) (Canada) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Be) (Canada) (Ba) (Ba) (Ba) (Be) (Canada)	PH 6.1 6.1 6.1 6.1 ER BOTTLE (NWTPH-Gx 1-Dx) (TPH- 3OD) (Turbi dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 29.4 29.3 29.6 29.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (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 □



Project Nam	e <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	1015		
Sample Num	nber:	RGW143S-	190813		Weather:	SUNNY			
Landau Repr	resentative:	JAN			•				
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:			
DTW Before l		5.45	Time:	-	Flow through cel			GW Meter No.(s	s 3
		8/ 13/2019 @		End Purge:	_	8/ 13/2019 @	1003	Gallons Purged:	
Purge water d			55-gal Drum	Ē	Storage Tank	Ground		SITE TREATM	
ruige water u	isposed to.		55-gai Diuiii	-	Storage Talik	U Ground	Other	SHE IKEAIM	ENI SISIEM
TD:	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 rea	(NTU) dings within the fo	(ft) ollowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
945	23.3	264.1	2.95	6.31	-28.6		5.45		
948	24.1	269.7	2.81	6.33	-90.6		5.45		
					-100.3		-	•	
951	24.7	274.8	2.67	6.33			5.45		
954	25.3	284.6	2.76	6.34	-52.4				
957	25.8	288.4	2.49	6.35	-35.5				
1000	26.3	295.8	2.75	6.34	-25.2				
1002	26.5	300.5	2.65	6.35	-19.1				
SAMPLE CO	LLECTION D)ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	_	Tap Rinse	DI Water	Dedicated			
		_	··· •	rap Kinse	DI Water	Dedicated			
I Rv Numerica	l Order)	Other							
(By Numerica		Other	sheen etc.):	NO COLOR	LOW TURE NO	O/NS PARTICUI /	ATES		
		_	, sheen, etc.) <u>:</u>	NO COLOR	, LOW TURB, NO	O/NS, PARTICULA	ATES.		
		_	D.O. (mg/L)	NO COLOR	, LOW TURB, NO	O/NS, PARTICULA 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) 301.4	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 26.6	Cond. (uS/cm) 301.4	D.O. (mg/L) 2.58	pH 6.35 6.35	ORP (mV) -18.6	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 26.6 26.7	Cond. (uS/cm) 301.4 302.1	D.O. (mg/L) 2.58 2.52	pH 6.35 6.35 6.35	ORP (mV) -18.6 -19.1 -22.3	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 26.6	Cond. (uS/cm) 301.4	D.O. (mg/L) 2.58	pH 6.35 6.35	ORP (mV) -18.6	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 26.6 26.7	Cond. (uS/cm) 301.4 302.1	D.O. (mg/L) 2.58 2.52	pH 6.35 6.35 6.35	ORP (mV) -18.6 -19.1 -22.3	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.6 26.7 26.7	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51	pH 6.35 6.35 6.35 6.35 6.35	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.6 26.7 26.7 26.7 TYPICAL A	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51	pH 6.35 6.35 6.35 6.35 6.35 6.35	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.6 26.7 26.7 26.7 TYPICAL A (8260) (8010	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYTPH-G) (MATCH 1988)	6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.6 26.7 26.7 26.7 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMITPH-G) (DD) (NWTPH	6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX (-Dx) (TPH-	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft) non-standard a	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Conductive)	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MONTPH-G) (MONTP	6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx 1-Dx) (TPH-GOD) (Turbi	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (6	DTW (ft) non-standard a	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.6 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 301.4 302.1 302.4 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 le) (WAD Cy	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PF IWTPH-G) (D) (NWTPH S) (TSS) (E 4) (Total Kie anide) (Free	pH 6.35 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitrogen Cyanide)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & Gre) (HCO3/CO3) (6/NO2)	DTW (ft) non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TDS C) (Total PO- lectivity) (As) (Sb) (D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PER (WTPH-G) (D) (NWTPH-G) (TSS) (ES) (TSS) (ES) (Total Kiesanide) (Free Ba) (Be) (Ca)	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanida (Total Metals) (Dissolved M	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PER (WTPH-G) (D) (NWTPH-G) (TSS) (ES) (TSS) (ES) (Total Kiesanide) (Free Ba) (Be) (Ca)	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (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) 26.6 26.7 26.7 26.7 26.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.4 302.1 302.4 302.7 302.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 2.58 2.52 2.48 2.47 2.51 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.35 6.35 6.35 6.35 6.35 6.35 CR BOTTLE (NWTPH-Gx (I-Dx) (TPH-GOD) (Turbidahl Nitroger (Cyanide) (1) (Cd) (Co)	ORP (mV) -18.6 -19.1 -22.3 -21.2 -20.3 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



	e <u>:</u>	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly Au	gust 2019		Date/Time:	8/ 13/2019@	1220		
Sample Num	nber:	RGW209S-	190813		Weather:	SUNNY			
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	RGE DATA							
Well Condition	on:	Secure (YES)		Damaged (N	(O)	Describe:			
DTW Before l	Purging (ft)	5.02	Time:	1151	Flow through cel	l vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/ 13/2019 @	1154	End Purge:	Date/Time:	8/ 13/2019 @	1216	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)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	s: Stablizatior +/- 3%		ters for three +/- 0.1 units		dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
1157						+/- 10 /c		un ough cen	
1157	23.5	381.7	0.26	6.30	-46.9		5.03		
1200	24.4	394.0	0.51	6.34	-56.5		5.03		
1203	25.2	405.7	0.75	6.36	-61.3		5.03		
1206	26.3	416.8	1.26	6.37	-65.6				
1209	26.5	420.7	1.42	6.37	-67.5				
1212	27.0	426.7	1.71	6.38	-71.1				
1214		429.1	1.79	6.38	-71.9				
			2.77	0.50	,,,,				-
SAMPLE CO	LLECTION D	ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wasl		Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica		Other							
Sample Descr	ription (color,	turbidity, odor,	sheen, etc.):	NO COLOR	, LOW TURB, NO	D/NS.			
		•	· · · · · ·						
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	-			рН 6.38		•			
	(°F/°C)	(uS/cm)	(mg/L)		(mV)	•			
1	(° F /° C) 27.4	(uS/cm) 429.7	(mg/L)	6.38	-80.6	•			
1 2	(°F/°C) 27.4 27.4	(uS/cm) 429.7 430.1	(mg/L) 1.82 1.85	6.38	-80.6 -76.8 -96.3	•			
1 2 3 4	(°F/°C) 27.4 27.4 27.6 27.5	(uS/cm) 429.7 430.1 430.6 430.9	1.82 1.85 1.85 1.89	6.38 6.39 6.39	-80.6 -76.8 -96.3 -100.2	(NTU)			
1 2 3 4 Average:	(°F/°C) 27.4 27.4 27.6 27.5 27.5	(uS/cm) 429.7 430.1 430.6 430.9 430.3	1.82 1.85 1.85 1.89 1.85	6.38 6.39 6.39 6.39	(mV) -80.6 -76.8 -96.3 -100.2 -88.5	(NTU) #DIV/0!	(ft)	(Fe II)	
1 2 3 4 Average:	(°F/°C) 27.4 27.4 27.6 27.5 27.5	(uS/cm) 429.7 430.1 430.6 430.9 430.3	1.82 1.85 1.85 1.89 1.85	6.38 6.39 6.39 6.39 6.39	-80.6 -76.8 -96.3 -100.2 -88.5	(NTU)	(ft)	(Fe II)	Observations
1 2 3 4 Average:	(°F/°C) 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS ALI ()) (8020) (N	1.82 1.85 1.85 1.89 1.85 LOWED PE	6.38 6.39 6.39 6.39 6.39 R BOTTLE	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle applied (BTEX)	#DIV/0!	(ft)	(Fe II)	Observations OR OR
1 2 3 4 Average:	(°F/°C) 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010) (8270) (PAF	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS ALI 0) (8020) (NII) (NWTPH-E	1.82 1.85 1.85 1.89 1.85 LOWED PE	6.38 6.39 6.39 6.39 8. R BOTTLE NWTPH-Gx -Dx) (TPH-	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aporture) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Green)	non-standard a	(Fe II) nalysis below) WA WA WA	Observations
1 2 3 4 Average:	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS ALI (i) (8020) (N (ii) (NWTPH-Exercivity) (TDS)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (NWTPH O) (TSS) (B	6.38 6.39 6.39 6.39 6.39 R BOTTLE NWTPH-Gx 1-Dx) (TPH-GOD) (Turbi	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aporture) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0	non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS ALI (i) (8020) (N (ii) (NWTPH-Exercivity) (TDS)	1.82 1.85 1.85 1.89 1.85 LOWED PE WTPH-G) (0) (NWTPH 0) (TSS) (B	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-GOD) (Turbidahl Nitroger	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle ap) (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0	non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (i) (8020) (N ii) (NWTPH-Exertivity) (TDS (iii) (Total PO4) (iii) (WAD Cya	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (0) (NWTPH 0) (TSS) (B 0) (Total Kie nide) (Free	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle application of the company of t	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0	non-standard a	malysis below) WA WA O WA O WA O WA O WA O WA O WA	Observations OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS ALZ 0) (8020) (N H) (NWTPH-Extivity) (TDS C) (Total PO4 e) (WAD Cya e) (As) (Sb) (E	1.82 1.85 1.85 1.89 1.85 LOWED PE WTPH-G) () (NWTPH) (TSS) (B) (Total Kie anide) (Free Sa) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (b) (8020) (N (f) (NWTPH-L (ctivity) (TDS (C) (Total PO4) (e) (WAD Cya (d) (As) (Sb) (E (etals) (As) (Sb) (g short list)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS ALE (b) (8020) (N II) (NWTPH-Lectivity) (TDS (C) (Total PO4) (e) (WAD Cya) () (As) (Sb) (Eetals) (As) (Sb)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (b) (8020) (N (f) (NWTPH-L (ctivity) (TDS (C) (Total PO4) (e) (WAD Cya (d) (As) (Sb) (E (etals) (As) (Sb) (g short list)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (b) (8020) (N (f) (NWTPH-L (ctivity) (TDS (C) (Total PO4) (e) (WAD Cya (d) (As) (Sb) (E (etals) (As) (Sb) (g short list)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (b) (8020) (N (f) (NWTPH-L (ctivity) (TDS (C) (Total PO4) (e) (WAD Cya (d) (As) (Sb) (E (etals) (As) (Sb) (g short list)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □
1 2 3 4 Average: QUANTITY 5	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (b) (8020) (N (f) (NWTPH-L (ctivity) (TDS (C) (Total PO4) (e) (WAD Cya (d) (As) (Sb) (E (etals) (As) (Sb) (g short list)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □
1 2 3 4 Average: QUANTITY 5 1	(°F/°C) 27.4 27.4 27.6 27.5 27.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	(uS/cm) 429.7 430.1 430.6 430.9 430.3 NALYSIS AL (b) (8020) (N (f) (NWTPH-L (ctivity) (TDS (C) (Total PO4) (e) (WAD Cya (d) (As) (Sb) (E (etals) (As) (Sb) (g short list)	1.82 1.85 1.89 1.85 LOWED PE WTPH-G) (1) (TSS) (B) (Total Kie nide) (Free Ba) (Be) (Ca (Ba) (Be) (Ca	6.38 6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	(mV) -80.6 -76.8 -96.3 -100.2 -88.5 TYPE (Circle aportion of the content of the	#DIV/0! #DIV/0! Pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (e/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NC	(Fe II) nalysis below) WA	Observations OR □ OR □ OR □



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13 /2019@	910		
Sample Num	nber:	RGW210S-	190813		Weather:	SUNNY, WARN	Л		
Landau Repi	resentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	n:	Secure (YES)	Damaged (N	(0)	Describe:			
DTW Before	Purging (ft)	4.75	Time:	841	Flow through cel	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/13 /2019	@ 845	End Purge:	Date/Time:	8/ 13 /2019 @	909	Gallons Purged:	<0.5
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)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
						dings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
848	22.3	367.2	2.27	6.78	-34.3		4.80		
851	22.6	364.9	2.15	6.75	-30.1		4.80		
854	24.2	353.9	2.08	6.70	-24.1		4.78		
857	24.8	356.7	1.79	6.70	-13.7		4.79		
900	25.3	364.9	1.52	6.71	-11.6				
903	25.7	368.7	1.31	6.71	-8.1				
906	26.5	369.0	1.06	6.71	-5.6				
SAMPLE CO	I I ECTION D	ATA							
Sample Collect			Bailer		Pump/Pump Type	<u> </u>			
Made of:	rica wiiii.	Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
			_			Dedicated	Outer	Dedicated	
Decon Proced		Alconox Wa	sn 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other		~ ~ ~ ~ ~ ~ ~					
Sample Descr	iption (color,	turbidity, odoi	, sheen, etc.):	CLOUDY, E	BROWN, NO/NS,	VERY TURBID			
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	26.5	368.9	1.06	6.7	-5.2				
2	26.4	368.5	1.08	6.7	-5.0				
3	27.5	367.9	1.00	6.7	-4.4			•	
4	27.3	368.1	1.03	6.7	-4.0				
						IIDR I IOI			-
Average:	26.9	368.4	1.04	6.7	-4.7	#DIV/0!			
QUANTITY	TYPICAL A	NALYSIS AI	LOWED PI	ER BOTTLE	TYPE (Circle a)	pplicable or write i	non-standard a	nalysis below)	
5	(<mark>8260</mark>) (8010	0) (8020) (1						WA 🗆	OR 🗆
	(8270) (PAI					(8141) (Oil & Grea		WA L	OR \square
1	4 / (• • • • • • • • • • • • • • • • • • • •	/ / / /	/ \) (HCO3/CO3) (C	(SO4) (NC	03) (NO2) (F)	
1		le) (WAD Cy		•	n) (NH3) (NO3,	/NO2)			
	•	•		•	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (I	Vi) (Ag) (Se) ((Tl) (V) (Zn) (F	Ig) (K) (Na)
							•		(Na) (Hardness) (Silie
	VOC (Boein		, () () (, (==)	. , () (-	, , , , , , , , , , , , , , , , , , , ,	. 5, (, (, (,	, , , , , , , , , , , , , , , , , , , ,	
	Methane Eth	ane Ethene A	cetylene						
	others								
Duplicate San	onle No(s):								
Comments:	ipic 110(8).								
Comments.									



Project Nam	e <u>:</u>	Boeing Rent	ton		Project Numbe	r:	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	1400		
Sample Num	iber:	RGW237S-	190813		Weather:	SUNNY			
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	n:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before l	Purging (ft)	4.56	Time:	1332	Flow through cel	l vol.		GW Meter No.(s	3
		8/ 13/2019 @	1334	End Purge:	_	8/ 13/2019 @	1355	Gallons Purged:	2
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)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
						dings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
1337	22.8	306.6	2.80	6.38	-12.0		4.53		
1340	23.4	310.2	3.06	6.35	-6.9		4.53		
1343	24.1	312.2	3.07	6.32	-2.1		4.54		
1346	24.6	314.0	2.87	6.33	-7.0				
1349	24.9	316.0	1.87	6.33	-14.0				
1352	25.2	320.7	1.80	6.34	-23.9				-
1354	25.4	326.6	1.65	6.35	-29.6				
SAMPLE CO	LIECTION D								
Sample Collect			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure.	Alconox Was		Tap Rinse	DI Water	Dedicated			
(By Numerica			··· —	rup remse	DI Water	Dedicated			
		ii ii Otner							
		Other	. sheen. etc.):	LIGHT OR A	NGE. LOW-MEI	TURB. NO/NS. F	PARTICULATE	S.	
· •			, sheen, etc.) <u>:</u>	LIGHT OR A	ANGE, LOW-MEI	O TURB, NO/NS, F	PARTICULATE	S.	
			D.O. (mg/L)	LIGHT ORA	ORP (mV)	Turbidity (NTU)	PARTICULATE DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color,	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	Temp (°F/°C)	Cond. (uS/cm) 328.8	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descr Replicate 1 2	Temp (°F/°C) 25.5	Cond. (uS/cm) 328.8 329.5	D.O. (mg/L) 1.71	pH 6.35 6.35	ORP (mV) -30.0	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 25.5 25.5 25.6	Cond. (uS/cm) 328.8 329.5 329.8 331.3	D.O. (mg/L) 1.71 1.60 1.55	pH 6.35 6.35 6.36	ORP (mV) -30.0 -30.0 -30.1 -30.5	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.6 25.6	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62	pH 6.35 6.35 6.36 6.36	ORP (mV) -30.0 -30.1 -30.5 -30.2	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.6 25.5	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62	pH 6.35 6.35 6.36 6.36 6.36 CR BOTTLE	ORP (mV) -30.0 -30.0 -30.1 -30.5 -30.2 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.6 25.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PE	6.35 6.35 6.36 6.36 6.36 R BOTTLE	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.6 25.5 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (0) (8020) (NH) (NWTPH-I	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERMYPH-G) (D) (NWTPH	6.35 6.35 6.36 6.36 6.36 CR BOTTLE NWTPH-GX -Dx) (TPH-	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) 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:	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.6 25.6 (8260) (8010 (8270) (PAH (pH) (Conductive)	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL D) (8020) (N H) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PE WTPH-G) (NWTPH S) (TSS) (B	6.35 6.35 6.36 6.36 6.36 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-IOD) (Turbi	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL D) (8020) (N H) (NWTPH-Inctivity) (TDS	1.71 1.60 1.55 1.61 1.62 LOWED PERWITPH-G) (D) (NWTPH-GS) (TSS) (Bels) (Total Kie	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-Gx -Dx) (TPH-GOD) (Turbidahl Nitroger	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a)) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (D) (8020) (N H) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PE IWTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free	pH 6.35 6.35 6.36 6.36 6.36 CR BOTTLE NWTPH-GX -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre	DTW (ft) non-standard a ase) CI) (SO4) (NO	ralysis 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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (D) (8020) (N H) (NWTPH-lectivity) (TDS (C) (Total PO4 (e) (WAD Cy () (As) (Sb) (D)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PE (WTPH-G) (D) (NWTPH G) (TSS) (B F) (Total Kie anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (b) (8020) (N (c) (NWTPH-I (c) (Total PO4 (c) (WAD Cy (c) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (0) (8020) (N H) (NWTPH-Inctivity) (TDS (C) (Total PO4 (e) (WAD Cy (e) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (b) (8020) (N (c) (NWTPH-I (c) (Total PO4 (c) (WAD Cy (c) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (b) (8020) (N (c) (NWTPH-I (c) (Total PO4 (c) (WAD Cy (c) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (b) (8020) (N (c) (NWTPH-I (c) (Total PO4 (c) (WAD Cy (c) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (b) (8020) (N (c) (NWTPH-I (c) (Total PO4 (c) (WAD Cy (c) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX 1-Dx) (TPH-10D) (Turbit dahl Nitroger Cyanide) (1) (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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: QUANTITY 5	Temp (°F/°C) 25.5 25.5 25.6 25.6 25.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 328.8 329.5 329.8 331.3 329.9 NALYSIS AL (b) (8020) (N (c) (NWTPH-I (c) (Total PO4 (c) (WAD Cy (c) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.71 1.60 1.55 1.61 1.62 LOWED PERIVIPH-G) (MWTPH-G) (MWTP	6.35 6.35 6.36 6.36 6.36 6.36 CR BOTTLE NWTPH-GX 1-Dx) (TPH-10D) (Turbit dahl Nitroger Cyanide) (1) (Cd) (Co)	ORP (mV) -30.0 -30.1 -30.5 -30.2 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (0 /NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard a ase) CI) (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 □



Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	1310		
Sample Nur	mber:	RGW238I-	190813		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)	4.60	Time:	1229	Flow through cel	ll vol.		GW Meter No.(s	3
	Date/Time:			End Purge:	_	8/ 13/2019 @	1255	Gallons Purged:	
Purge water of	disposed to:		55-gal Drum		Storage Tank	Ground	_	SITE TREATM	
C	Temp	Cond.	D.O.	рН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	tong fon thus	(mV)	(NTU) dings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1237	23.4	444	0.57	6.43	-104.5		4.60	-	
-									
1240		447	1.19	6.43	-106.6		4.60		
1243	25.2	465	1.42	6.43	-102.5		4.60		
1246	25.9	474	1.68	6.44	-101.9				
1249	27.1	493	1.94	6.44	-100.8				
1252	27.7	503	1.91	6.45	-101.9				
1254	28.2	512	2.01	6.46	-103.9				
120 .			2.01	00	100.0				
SAMPLE CO	DLLECTION D	DATA							
Sample Colle			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	_	Tap Rinse	DI Water	Dedicated			
		·	·· •	rup runse	DI Water	Dedicated			
(By Numerica	al Order)	ll ll Other							
(By Numerical Sample Description	,	Other odor	sheen etc.):	NO COLOR	LOW TURB NO	O/NS SLIGHT PAI	RTICULATES		
, -	,		, sheen, etc.):	NO COLOR	, LOW TURB, NO	O/NS, SLIGHT PAI	RTICULATES		
, -	,		D.O. (mg/L)	NO COLOR	, LOW TURB, NO	O/NS, SLIGHT PAI Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Desc	ription (color,	turbidity, odor	D.O.		ORP	Turbidity	DTW		
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.46	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 28.3	Cond. (uS/cm) 514	D.O. (mg/L) 1.99	pH 6.46 6.46	ORP (mV) -104.0 -103.9	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 28.3 28.4	Cond. (uS/cm) 514 515	D.O. (mg/L) 1.99 1.96	pH 6.46 6.46 6.46	ORP (mV) -104.0 -103.9 -103.8	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 28.3	Cond. (uS/cm) 514	D.O. (mg/L) 1.99	pH 6.46 6.46	ORP (mV) -104.0 -103.9	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 28.3 28.4	Cond. (uS/cm) 514 515	D.O. (mg/L) 1.99 1.96	pH 6.46 6.46 6.46	ORP (mV) -104.0 -103.9 -103.8	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 28.3 28.4 28.4 28.4	Cond. (uS/cm) 514 515 515 517	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99	pH 6.46 6.46 6.46 6.46 6.46	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 TYPICAL A	Cond. (uS/cm) 514 515 515 517	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99	pH 6.46 6.46 6.46 6.46 6.46 6.46	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 514 515 517 515 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF	pH 6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PRIWTPH-G) (D) (NWTPH	pH 6.46 6.46 6.46 6.46 6.46 CER BOTTLE (NWTPH-GX	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF WTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (FSS) (F	6.46 6.46 6.46 6.46 6.46 CR BOTTLE (NWTPH-Gx I-Dx) (TPH-GOD) (Turbi	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write 1 (8141) (Oil & Green) (HCO3/CO3) (O	DTW (ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 514 515 517 515 NALYSIS AL (0) (8020) (N H) (NWTPH-Intrivity) (TDS	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF WTPH-G) (NWTPH-G) (TSS) (FSS) (FSS) (Facinide) (Free	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbic adal Nitrogen	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a)) (BTEX) HCID) (8081) dity) (Alkalinity i) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write in the second control of the	DTW (ft) non-standard a ase) Cl) (SO4) (NO	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 514 515 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF WTPH-G) (NWTPH-G) (TSS) (ES) (Total Kiesanide) (Free Ba) (Be) (Calculus (6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 514 515 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy t) (As) (Sb) (detals) (As) (Sb)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF WTPH-G) (NWTPH-G) (TSS) (ES) (Total Kiesanide) (Free Ba) (Be) (Calculus (6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	turbidity, odor. Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (setals) (As) (Sb) (seg short list)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 514 515 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy t) (As) (Sb) (detals) (As) (Sb)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	turbidity, odor. Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (setals) (As) (Sb) (seg short list)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	turbidity, odor. Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (setals) (As) (Sb) (seg short list)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	turbidity, odor. Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (setals) (As) (Sb) (seg short list)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	turbidity, odor. Cond. (uS/cm) 514 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cy) (As) (Sb) (setals) (As) (Sb) (seg short list)	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF WTPH-G) (NWTPH-G) (Total Kielanide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca)	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 28.3 28.4 28.4 28.4 28.4 (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	turbidity, odor. Cond. (uS/cm) 514 515 515 517 515 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 le) (WAD Cy 0) (As) (Sb) (letals) (As) (Sb) g short list) hane Ethene Ac	D.O. (mg/L) 1.99 1.96 1.98 2.03 1.99 LOWED PF WTPH-G) (NWTPH-G) (Total Kielanide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca)	6.46 6.46 6.46 6.46 6.46 ER BOTTLE (NWTPH-Gx I-Dx) (TPH- BOD) (Turbicatal Nitrogeneral Structure of Cyanide) a) (Cd) (Co)	ORP (mV) -104.0 -103.9 -103.8 103.7 -52.0 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	non-standard a ase) Cl) (SO4) (NO	(Fe II)	Observations OR □ OR □ OR □



Project Nam	e <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	1125		
Sample Num	nber:	RGW239I-	190813		Weather:	SUNNY			
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.34	Time:	1051	Flow through ce	ll vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/13 /2019 @	1054	End Purge:	Date/Time:	8/ 13/2019 @	1115	Gallons Purged:	1.5
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)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ers for three +/- 0.1 units		dings within the fo +/- 10%	llowing limits < 0.3 ft	>/= 1 flow through cell	
1057						+/- 10 /b		tin ough cen	
1057	22.3	403.7	0.14	6.44	-107.6		5.35		
1100	23.1	412.0	0.49	6.41	-108.9		5.35		
1103	23.7	414.4	0.97	6.39	-104.2		5.35		
1106	24.3	413.5	1.30	6.38	-101.1				
1109	24.8	412.7	1.60	6.38	-99.2				
1112	25.3	413.8	1.74	6.38	-99.7				
1114	25.7	416.0	1.89	6.38	-96.0				
	23.7	110.0	1.07	0.50	70.0				
SAMPLE CO	LLECTION D	ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🗖	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica	l Order)	Other							
			, sheen, etc.):	NO COLOR	, LOW TURB, N	D/NS.			
· •			, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
· •			D.O. (mg/L)	NO COLOR	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)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate	Temp (°F/°C) 25.8	Cond. (uS/cm) 416.2	D.O. (mg/L) 1.91	рН 6.38 6.38	ORP (mV) -96.5	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 25.8 25.8 22.9	Cond. (uS/cm) 416.2 416.4 416.7	D.O. (mg/L) 1.91 1.93	pH 6.38 6.38 6.38	ORP (mV) -96.5 -96.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 25.8 25.8 22.9 25.9	Cond. (uS/cm) 416.2 416.4 416.7	D.O. (mg/L) 1.91 1.93 1.91	pH 6.38 6.38 6.38 6.38	ORP (mV) -96.5 -96.0 -96.1 -100.9	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 22.9 25.9	Cond. (uS/cm) 416.2 416.4 416.7 417.2	D.O. (mg/L) 1.91 1.93 1.91 1.92	pH 6.38 6.38 6.38 6.38 6.38	ORP (mV) -96.5 -96.0 -96.1 -100.9	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE	6.38 6.38 6.38 6.38 6.38	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 22.9 25.9 25.1 TYPICAL A (8260) (8010	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE	6.38 6.38 6.38 6.38 6.38 RR BOTTLE	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE WTPH-G) (D) (NWTPH	6.38 6.38 6.38 6.38 6.38 R BOTTLE NWTPH-GX -Dx) (TPH-	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	6.38 6.38 6.38 6.38 6.38 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbi	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write in the second control of the	non-standard a	nalysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.8 25.8 22.9 25.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PER (WTPH-G) (D) (NWTPH (D) (TSS) (B) (TSS) (B) (Total Kie	6.38 6.38 6.38 6.38 6.38 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write in the second control of the	non-standard a	nalysis below) WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (D) (8020) (N H) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE IWTPH-G) (D) (NWTPH S) (TSS) (B e) (Total Kie anide) (Free	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write in the second control of the	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA WA O WA WA O WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (D) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 (e) (WAD Cyt.) (As) (Sb) (I	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kiellanide) (Freel Ba) (Be) (Ca	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (NWTPH-Inctivity) (TDS (Total PO4 (IS) (WAD Cy. (IS) (As) (Sb) (IS) (etals) (As) (Sb) (Sb)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kiellanide) (Freel Ba) (Be) (Ca	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL (NWTPH-Inctivity) (TDS (Total PO4 (IS) (WAD Cy. (IS) (As) (Sb) (IS) (etals) (As) (Sb) (Sb)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 1.92 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	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL () (8020) (N H) (NWTPH-I () (Total PO4 (e) (WAD Cyst () (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 1.92 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	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL () (8020) (N H) (NWTPH-I () (Total PO4 (e) (WAD Cyst () (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 1.92 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	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL () (8020) (N H) (NWTPH-I () (Total PO4 (e) (WAD Cyst () (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 1.92 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	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL () (8020) (N H) (NWTPH-I () (Total PO4 (e) (WAD Cyst () (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 1.92 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	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 25.8 25.8 22.9 25.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 416.2 416.4 416.7 417.2 416.6 NALYSIS AL () (8020) (N H) (NWTPH-I () (Total PO4 (e) (WAD Cyst () (As) (Sb) (1 etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.91 1.93 1.91 1.92 1.92 1.92 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	6.38 6.38 6.38 6.38 6.38 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -96.5 -96.0 -96.1 -100.9 -97.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OOO OOO OOO OOO (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Sample Number Sample Numbe	Project Nam	e <u>:</u>	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Landau Representative: JAN	Event:		Quarterly A	igust 2019		Date/Time:	8/13 /2019@	1050		
Well Condition:	Sample Num	nber:	RGW240D-	190813		Weather:	SUNNY			
Day Description Descript	Landau Repr	resentative:	JAN							
DTW Belove Purging (fi)	WATER LEV	EL/WELL/PU	IRGE DATA							
Regin Purges Date/Times Part	Well Condition	on:	Secure (YES)		Damaged (N	O)	Describe:			
Purgo water disposed to:	DTW Before	Purging (ft)	5.92	Time:	958	Flow through cel	l vol.		GW Meter No.(s 3
Time Cond. Cond.	Begin Purge:	Date/Time:	8/13 /2019 @	1016	End Purge:	Date/Time:	8/ 13/2019 @	1039	Gallons Purged:	<0.25
Time	Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time		Temp	Cond.	D.O.	На	ORP	Turbidity	DTW	Internal Purge	Comments/
1019	Time	(° F /° C)	(uS/cm)	(mg/L)	-	(mV)	(NTU)	(ft)	Volume (gal)	
1019							~			
1022 23.4 442.6 0.40 6.53 -1115.4 5.67 1025 24.1 447.9 0.79 6.53 -112.9 5.61 1028 24.7 454.3 1.14 6.52 -112.5 5.56 1031 25.4 462.8 1.46 6.52 -111.2 5.53 1034 26.0 468.4 1.65 6.52 -111.2 5.53 1034 26.0 468.4 1.65 6.52 -110.2 5.52 1036 26.4 471.4 1.79 6.52 -109.2 5.49 SAMPLE COLLECTION DATA Sample Collected With: Bailer Pomp/Pump Type BLADDER Made of: Stainless Steel PVC Teflon Polyethylene Other Decinered With Polyethylene Other Decinered With Polyethylene Other Othe	1010						+/- 10 /b		tin ough cen	
1025	-			·	-					
1028	1022	23.4	442.6	0.40	6.53	-115.4		5.67		
1031	1025	24.1	447.9	0.79	6.53	-112.9		5.61		
1034	1028	24.7	454.3	1.14	6.52	-112.5		5.56		
SAMPLE COLLECTION DATA	1031	25.4	462.8	1.46	6.52	-111.2		5.53		
Sample Collected With:	1034	26.0	468.4	1.65	6.52	-110.2		5.52		
Sample Collected With:	1036	26.4	471.4	1 79						
Sample Collected With:	1030	20.1	171.1	1.77	0.32	107.2		3.17		
Sample Collected With:	SAMPLE CO	LLECTION D	ATA							
Made of:				Bailer		Pump/Pump Type	BLADDER			
Comparing Comp	Made of:		Stainless Stee	1 🗖	_		_	Other	Dedicated	
Comparing Comp	Decon Proced	ure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
Temp										
Temp	Sample Descr	ription (color,	turbidity, odor,	sheen, etc.):	LIGHT BRO	WN, LOW-MED	TURB, NO/NS.			
CFFC (uS/cm) (mg/L) (mV) (NTU) (ft) (Fe II) Observations 1 26.5 472.3 1.82 6.52 -109.1			•	_						
2 26.5 472.8 1.86 6.52 -111.8 3 26.6 473.4 1.87 6.52 -109.4 4 26.6 473.7 1.87 6.52 -109.8 Average: 26.6 473.1 1.86 6.52 -110.0 #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	-			pН		•			
3	1	26.5	472.3	1.82	6.52	-109.1				
Average: 26.6 473.1 1.86 6.52 -110.0 #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 (8270) (PAH) (NWTPH-D) (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) (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	2	26.5	472.8	1.86	6.52	-111.8				
Average: 26.6 473.1 1.86 6.52 -110.0 #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 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) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene	3	26.6	473.4	1.87	6.52	-109.4				
Average: 26.6 473.1 1.86 6.52 -110.0 #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 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) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene	4	26.6		1.87		-109.8				
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 (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 Duplicate Sample No(s):	Average:						#DIV/0!			
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 □ (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) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (Na) (Na) (Na)<		-								
(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) (Silic VOC (Boeing short list) Methane Ethane Ethene Acetylene Others Duplicate Sample No(s):	_						oplicable or write	non-standard a		0
(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):	5						(0141) (01.0 C	>		
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):										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):	1		•					21) (504) (110	03) (1102) (1)	
(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):		` ' '		` `		, (, , , , , , , , , , , , , , , , , ,	,			
VOC (Boeing short list) Methane Ethane Ethane Acetylene others Duplicate Sample No(s):		(Total Metals) (As) (Sb) (I	Ba) (Be) (Ca	(Cd) (Co)	(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) (Ni) (Ag) (Se)	(Tl) (V) (Zn) (H	Ig) (K) (Na)
Methane Ethane Ethene Acetylene others Duplicate Sample No(s):		(Dissolved M	etals) (As) (Sb	(Ba) (Be) (C	Ca) (Cd) (Co)	(Cr) (Cu) (Fe) (P	b) (Mg) (Mn) (Ni)	(Ag) (Se) (Tl) (V	(Zn) (Hg) (K)	Na) (Hardness) (Silic
others Duplicate Sample No(s):		MOC (D)	g short list)							
Duplicate Sample No(s):	 	,	,							
Duplicate Sample No(s):		,	,	etylene						
Duplicate Sample No(s):		,	,	etylene						
		Methane Eth	,	etylene						
		Methane Eth	,	etylene						
Signature: JAN Date: 8/13/2019		Methane Eth	,	etylene						



-	ie:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	850		
Sample Nun	nber:	RGW-241S	190813		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	5.97	Time:	820	Flow through cel	ll vol.		GW Meter No.(s	3
	Date/Time:		823	End Purge:	_	8/13 /2019 @	844	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%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
826	19.5	329.7	0.22	6.35	-132.2		5.97		
829	19.7	331.1	0.54	6.36	-116.5		5.97		
832	20.2	332.6	2.19	6.37	-139.5		5.97		
835	20.7	335.6	2.94	6.38	-131.9				
838	21.1	337.7	3.07	6.38	-119.7				
				-					
841		341.3	2.97	6.39	-142.3				
843	21.8	342.9	2.91	6.39	-133.8				
SAMPLE CO									
Sample Collec	cted With:	_	Bailer	_	Pump/Pump Type				
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	h 📙	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other							
Sample Descr	ription (color, t	turbidity, odor	, sheen, etc.):	NO COLOR	, LOW TURB, NO	D/NS			
Replicate	Temp	~ .	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
	remp	Cond.							
	(°F/°C)	Cond. (uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	(Fe II)	Observations
1	-			6.39	(mV)	-	(ft)	(Fe II)	Observations
1 2	(° F /° C)	(uS/cm)	(mg/L)	6.39	, ,	-	(ft)	(Fe II)	Observations
2	(°F/°C) 21.8 21.9	(uS/cm) 343.3 343.6	(mg/L) 2.91 2.91	6.39	-133.8	-	(ft)	(Fe II)	Observations
2 3	(°F/°C) 21.8 21.9 21.9	(uS/cm) 343.3 343.6 344.0	2.91 2.91 2.91	6.39	-133.8 -133.7 -128.9	-	(ft)	(Fe II)	Observations
2 3 4	(°F/°C) 21.8 21.9 21.9 22.0	(uS/cm) 343.3 343.6 344.0 344.4	2.91 2.91 2.91 2.91 2.91	6.39 6.39	-133.8 -133.7 -128.9 -126.4	(NTU)	(ft)	(Fe II)	Observations
2 3	(°F/°C) 21.8 21.9 21.9	(uS/cm) 343.3 343.6 344.0	2.91 2.91 2.91	6.39	-133.8 -133.7 -128.9	-	(ft)	(Fe II)	Observations
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9	343.3 343.6 344.0 344.4 343.8	2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39	-133.8 -133.7 -128.9 -126.4 -130.7	(NTU)			
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AL (b) (8020) (N	2.91 2.91 2.91 2.91 2.91 2.91 2.91 LOWED PE	6.39 6.39 6.39 6.39 R BOTTLE	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle approximately (BTEX)	#DIV/0!	non-standard a	nalysis below) WA	OR 🗆
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AL 0) (8020) (N	2.91 2.91 2.91 2.91 2.91 2.91 2.91 LOWED PE	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle application) (BTEX) HCID) (8081) (#DIV/0! pplicable or write to (8141) (Oil & Green)	non-standard a	nalysis below) WA □ WA □	
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (i) (8020) (N ii) (NWTPH-Inctivity) (TDS)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX -Dx) (TPH-OD) (Turbi	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle ap) (BTEX) HCID) (8081) (dity) (Alkalinity	#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA □ WA □	OR 🗆
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (D) (8020) (N H) (NWTPH- activity) (TDS (C) (Total PO4	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle application) (BTEX) HCID) (8081) (#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA □ WA □	OR 🗆
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (TOC (Total Cyanid	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AL (D) (8020) (N H) (NWTPH-Inctivity) (TDS (C) (Total PO4 (e) (WAD Cy	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 R BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle application of the company of th	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	OR OR
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals)	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AL (i) (8020) (N ii) (NWTPH- ictivity) (TDS (iii) (Total PO4 ie) (WAD Cy iii) (As) (Sb) (iii)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR OR
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals)	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (i) (8020) (N (ii) (NWTPH- (ictivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii) (etals) (As) (Sb) (Sb)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (i) (8020) (N (ii) (NWTPH- (ictivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii) (etals) (As) (Sb) (Sb)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (ii) (8020) (N iii) (NWTPH- iii) (TDS (iii) (TDS (iii) (WAD Cy iii) (As) (Sb) (iii) (g short list)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (ii) (8020) (N iii) (NWTPH- iii) (TDS (iii) (TDS (iii) (WAD Cy iii) (As) (Sb) (iii) (g short list)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (ii) (8020) (N iii) (NWTPH- iii) (TDS (iii) (TDS (iii) (WAD Cy iii) (As) (Sb) (iii) (g short list)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G
2 3 4 Average: QUANTITY 5	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (ii) (8020) (N iii) (NWTPH- iii) (TDS (iii) (TDS (iii) (WAD Cy iii) (As) (Sb) (iii) (g short list)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G
2 3 4 Average:	(°F/°C) 21.8 21.9 21.9 22.0 21.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	(uS/cm) 343.3 343.6 344.0 344.4 343.8 NALYSIS AI (ii) (8020) (N iii) (NWTPH- iii) (TDS (iii) (TDS (iii) (WAD Cy iii) (As) (Sb) (iii) (g short list)	2.91 2.91 2.91 2.91 2.91 2.91 2.91 2.91	6.39 6.39 6.39 6.39 CR BOTTLE NWTPH-GX C-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	-133.8 -133.7 -128.9 -126.4 -130.7 TYPE (Circle aportion	#DIV/0! #DIV/0! pplicable or write in the interest of the in	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	OR GOR GOR GOR GOR GOR GOR GOR GOR GOR G



-	e <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	920		
Sample Num	nber:	RGW-242I-	190813		Weather:	SUNNY			
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	n:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	6.11	Time:	834	Flow through cel	ll vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/13 /2019 @	854	End Purge:	Date/Time:	8/13 /2019 @	915	Gallons Purged:	1
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)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units		dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
057						+/- 10 /b		tin ough cen	
857	21.2	370.7	1.39	6.40	-120.4		6.11		
900	21.8	369.5	2.00	6.41	-120.2		6.11		
903	22.3	372.4	2.45	6.41	-124.0		6.11		
906	22.8	363.7	2.69	6.40	-115.2				
909	23.2	393.9	2.82	6.41	-112.0				
912	23.8	403.2	2.99	6.41	-115.8				
914	24.1	405.4	3.02	6.41	-109.7				
711		103.1	3.02	0.11	107.7				
SAMPLE CO	LI FCTION D	ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated	<u>—</u>	_	
(By Numerica		Other		1					
Sample Descr	iption (color, t	turbidity, odor.	, sheen, etc.):	NO COLOR	, LOW TURB, NO	D/NS			
	*	•							
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	24.1	405.8	3.01	6.41					
2					-110.1				
	24.1	406.3	3.03	6.41	-110.1				
3		406.3		6.41	-107.1				
	24.2	406.3	3.03	6.41	-107.1 -107.5				
4	24.2	406.3 406.9 407.2	3.03	6.41 6.41	-107.1 -107.5 -107.8				
4 Average:	24.2 24.2 24.2	406.3 406.9 407.2 406.6	3.03 3.01 3.02	6.41 6.41 6.41 6.41	-107.1 -107.5 -107.8 -108.1	#DIV/0!			
4 Average: QUANTITY	24.2 24.2 24.2 TYPICAL A	406.3 406.9 407.2 406.6 NALYSIS AL	3.03 3.01 3.02 LOWED PE	6.41 6.41 6.41 6.41 ER BOTTLE	-107.1 -107.5 -107.8 -108.1			nalysis below)	
4 Average:	24.2 24.2 24.2 TYPICAL A (8260) (8010	406.3 406.9 407.2 406.6 NALYSIS AL 0) (8020) (N	3.03 3.01 3.02 LOWED PE	6.41 6.41 6.41 6.41 ER BOTTLE (NWTPH-Gx)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle ap	#DIV/0!	non-standard a	nalysis below) WA	OR OR
4 Average: QUANTITY	24.2 24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAH	406.3 406.9 407.2 406.6 NALYSIS AL (20) (8020) (NH) (NWTPH-I	3.03 3.01 3.02 LOWED PE WTPH-G) (6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle application of the control of the co	#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA WA	OR OR
4 Average: QUANTITY	24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	406.3 406.9 407.2 406.6 NALYSIS AL 0) (8020) (N H) (NWTPH-I	3.03 3.01 3.02 LOWED PE IWTPH-G) (D) (NWTPH S) (TSS) (B	6.41 6.41 6.41 6.41 6.7 6.41 6.41 6.41 6.41 6.41 6.41 6.41 6.41	-107.1 -107.5 -107.8 -108.1 TYPE (Circle application) (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA WA	
4 Average: QUANTITY	24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	406.3 406.9 407.2 406.6 NALYSIS AL 0) (8020) (N H) (NWTPH-I	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	6.41 6.41 6.41 6.41 6.7 6.41 6.41 6.41 6.41 6.41 6.41 6.41 6.41	-107.1 -107.5 -107.8 -108.1 TYPE (Circle application of the control of the co	#DIV/0! pplicable or write in the second se	non-standard a	nalysis below) WA WA	
4 Average: QUANTITY	24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid	406.3 406.9 407.2 406.6 NALYSIS AL (2) (8020) (N H) (NWTPH-I activity) (TDS (2) (Total PO4 de) (WAD Cy:	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-GX) (I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Circl	#DIV/0! pplicable or write in the second se	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA WA WO WO WO WO WO WO WO WO WO WO	OR 🗆
4 Average: QUANTITY	24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid	406.3 406.9 407.2 406.6 NALYSIS AL (2) (8020) (N H) (NWTPH-I detivity) (TDS (2) (Total PO4 de) (WAD Cyal) (As) (Sb) (I	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitrogen Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the interpolation of	ase) Cl) (SO4) (NO	nalysis below) WA	OR 🗆
4 Average: QUANTITY	24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	406.3 406.9 407.2 406.6 NALYSIS AL (D) (8020) (N (H) (NWTPH-I (activity) (TDS (C) (Total PO4 (e) (WAD Cyst (f) (As) (Sb) (f) (g short list)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitrogen Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the interpolation of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G
4 Average: QUANTITY	24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	406.3 406.9 407.2 406.6 NALYSIS AL (2) (8020) (N (3) (NWTPH-I (4) (Total PO4 (4) (WAD Cy: (5) (As) (Sb) (1 (4) (Sb) (Sb)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitrogen Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the interpolation of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G
4 Average: QUANTITY	24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	406.3 406.9 407.2 406.6 NALYSIS AL (D) (8020) (N (H) (NWTPH-I (activity) (TDS (C) (Total PO4 (e) (WAD Cyst (f) (As) (Sb) (f) (g short list)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitrogen Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the interpolation of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G
4 Average: QUANTITY	24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	406.3 406.9 407.2 406.6 NALYSIS AL (D) (8020) (N (H) (NWTPH-I (activity) (TDS (C) (Total PO4 (e) (WAD Cyst (f) (As) (Sb) (f) (g short list)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the interpolation of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G
4 Average: QUANTITY	24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	406.3 406.9 407.2 406.6 NALYSIS AL (D) (8020) (N (H) (NWTPH-I (activity) (TDS (C) (Total PO4 (e) (WAD Cyst (f) (As) (Sb) (f) (g short list)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the interpolation of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G
4 Average: QUANTITY 5 Duplicate San	24.2 24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	406.3 406.9 407.2 406.6 NALYSIS AL (D) (8020) (N (H) (NWTPH-I (activity) (TDS (C) (Total PO4 (e) (WAD Cyst (f) (As) (Sb) (f) (g short list)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the second of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G
4 Average: QUANTITY 5	24.2 24.2 24.2 24.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	406.3 406.9 407.2 406.6 NALYSIS AL (D) (8020) (N (H) (NWTPH-I (activity) (TDS (C) (Total PO4 (e) (WAD Cyst (f) (As) (Sb) (f) (g short list)	3.03 3.01 3.02 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B d) (Total Kie anide) (Free Ba) (Be) (Ca	6.41 6.41 6.41 6.41 CR BOTTLE (NWTPH-Gx) (-Dx) (TPH-GDD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	-107.1 -107.5 -107.8 -108.1 TYPE (Circle aportion (Ci	#DIV/0! pplicable or write in the second of	ase) Cl) (SO4) (NO	nalysis below) WA	OR G



Project Nam	e <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 13/2019@	1440		
Sample Num	nber:	RGW-243I-	190813		Weather:	SUNNY			
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	5.09	Time:	1411	Flow through ce	ll vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/ 13/2019 @	1414	End Purge:	Date/Time:	8/ 13/2019 @	1435	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)	•	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units		dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
1417						+/ - 10 /6		un ough cen	
1417	23.5	452.3	0.09	6.29	-72.9		5.09		
1420	24.5	459.0	0.73	6.29	-81.3		5.09		
1423	25.2	465.1	1.16	6.30	-84.5		5.09		
1426	25.7	469.6	1.57	6.30	-85.9				
1429	26.2	474.5	1.93	6.30	-86.4				
1432	26.7	480.0	2.16	6.30	-86.7				
1434	26.9	482.8	2.26	6.30	-87.0				
1131	20.9	102.0	2.20	0.50	07.0				
SAMPLE CO	LLECTION D	ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🗖	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	<u>—</u>	_	
(By Numerica			_	.1					
(Dy Numerica	i Oraer)	Other							
			, sheen, etc.):	NO COLOR	, LOW TURB, NO	D/NS.			
· •			, sheen, etc.):	NO COLOR	, LOW TURB, N	D/NS.			
· •			D.O. (mg/L)	NO COLOR	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)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate	Temp (°F/°C) 27.0	Cond. (uS/cm) 483.4 484.0	D.O. (mg/L) 2.35 2.35	рН 6.30 6.30	ORP (mV) -86.8	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 27.0 27.1	Cond. (uS/cm) 483.4 484.0 484.3	D.O. (mg/L) 2.35 2.35	pH 6.30 6.30 6.30	ORP (mV) -86.8 -86.7 -86.6	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 27.0 27.1 27.1	Cond. (uS/cm) 483.4 484.0 484.3	D.O. (mg/L) 2.35 2.35 2.34 2.44	pH 6.30 6.30 6.30 6.30	ORP (mV) -86.8 -86.7 -86.6	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.1 27.1 27.1	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1	D.O. (mg/L) 2.35 2.34 2.44 2.37	pH 6.30 6.30 6.30 6.30 6.30	ORP (mV) 86.8 86.7 86.6 86.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1	D.O. (mg/L) 2.35 2.35 2.34 2.44 2.37 LOWED PE	6.30 6.30 6.30 6.30 6.30 6.30	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL	D.O. (mg/L) 2.35 2.35 2.34 2.44 2.37 LOWED PE	6.30 6.30 6.30 6.30 6.30 6.30 RR BOTTLE	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 2.35 2.35 2.34 2.44 2.37 LOWED PE	6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-GX -Dx) (TPH-	ORP (mV) -86.8 -86.7 -86.6 -86.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	non-standard a	(Fe II) malysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL (D) (8020) (N H) (NWTPH-I	D.O. (mg/L) 2.35 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-GOD) (Turbi	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre.) (HCO3/CO3) (0	non-standard a	(Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.0 27.1 27.1 27.1 27.1 27.1 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL (D) (8020) (N H) (NWTPH-I	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) -86.8 -86.7 -86.6 -86.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre.) (HCO3/CO3) (0	non-standard a	(Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL 0) (8020) (N f) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cy.	2.35 2.34 2.44 2.37 LOWED PE IWTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre.) (HCO3/CO3) (0	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O WA O WA O WA O WA O WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL O) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 le) (WAD Cyt.) (As) (Sb) (I	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kieler) (Freeler) Ba) (Be) (Caller) (Caller)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL (NWTPH-Inctivity) (TDS (C) (Total PO4 (e) (WAD Cy.) (As) (Sb) (Icetals) (As) (Sb) (Sb)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kieler) (Freeler) Ba) (Be) (Caller) (Caller)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL (NWTPH-Inctivity) (TDS (C) (Total PO4 (e) (WAD Cy.) (As) (Sb) (Icetals) (As) (Sb) (Sb)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 5	Temp (°F/°C) 27.0 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 5	Temp (°F/°C) 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 5	Temp (°F/°C) 27.0 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 5	Temp (°F/°C) 27.0 27.0 27.1 27.1 27.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 483.4 484.0 484.3 484.6 484.1 NALYSIS AL 0) (8020) (N d) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya de) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 2.35 2.34 2.44 2.37 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B e) (Total Kie anide) (Free Ba) (Be) (Ca e) (Ba) (Be) (Ca e) (Ca)	6.30 6.30 6.30 6.30 6.30 6.30 CR BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) u) (Cd) (Co)	ORP (mV) -86.8 -86.7 -86.6 -86.5 -86.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (MH3) (NO3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	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 □



Project Nam	ıe <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019	_	Date/Time:	8/ 13 /2019@	1121		
Sample Nun	nber:	RGW-244S	190813		Weather:	SUNNY, HOT			
Landau Rep	resentative:	BXM							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	5.12	Time:	1050	Flow through ce	ll vol.		GW Meter No.(s	HERON-1
		8/ 13/2019 @		End Purge:	-	8/ 13 /2019 @	1118	Gallons Purged:	
Purge water d			55-gal Drum	Ĕ	Storage Tank	Ground		SITE TREATM	
r urge water u	nsposed to.		33-gai Diani		Storage Tank	Ground	Other	SITE TREATIVE	EIVI GIGIEM
TP\$	Temp	Cond. (uS/cm)	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge Goal	((mg/L) n of Paramet	ers for three	(mV) consecutive rea	(NTU) dings within the fo	(ft) ollowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1057	24.2	563	0.32	6.50	-78.4		5.11		
1100	24.8	568	0.28	6.50	-70.1		5.12		
	· ———			-					
1103	·	575	0.27	6.48	-78.0		5.12		
1106	26.3	586	0.31	6.48	-79.3				
1109	26.5	593	0.31	6.48	-79.6	_			
1112	27.0	599	0.35	6.48	-80.8				
1115	27.3	603	0.39	6.48	-81.1				
						-			
SAMPLE CO	LLECTION D	ATA							
Sample Colle			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
		Alconox Was	_	Tap Rinse	DI Water	Dedicated	_ ouici	Dedicated	
Decon Proced (By Numerical	_		sn 📋	rap Kinse	☐ DI Water	Dedicated			
(D) Numerum									
	ŕ	Other	.1	CLEAD CO	LODI EGG NOA	IG.			
	ŕ		, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS			
Sample Descr	ription (color, t		, sheen, etc.) <u>:</u>		LORLESS, NO/N		DTW	Ferrous iron	Comments/
	ŕ	turbidity, odor,		CLEAR, CO		Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	ription (color, t	turbidity, odor,	D.O.		ORP	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.48	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 27.4	Cond. (uS/cm) 604	D.O. (mg/L) 0.39	pH 6.48 6.48	ORP (mV) -81.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 27.4 27.4 27.4	Cond. (uS/cm) 604 604	D.O. (mg/L) 0.39 0.39	pH 6.48 6.48	ORP (mV) -81.3 -81.4	Turbidity			
Replicate 1 2	Temp (°F/°C) 27.4	Cond. (uS/cm) 604	D.O. (mg/L) 0.39	pH 6.48 6.48	ORP (mV) -81.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 27.4 27.4 27.4	Cond. (uS/cm) 604 604	D.O. (mg/L) 0.39 0.39	pH 6.48 6.48	ORP (mV) -81.3 -81.4	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4	Cond. (uS/cm) 604 604 606 605	D.O. (mg/L) 0.39 0.39 0.40 0.36	pH 6.48 6.48 6.48 6.48 6.48	ORP (mV) -81.3 -81.4 -81.3 -81.3	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A	Cond. (uS/cm) 604 604 606 605	D.O. (mg/L) 0.39 0.39 0.40 0.36 0.39	pH 6.48 6.48 6.48 6.48 6.48	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 604 604 606 605 NALYSIS AL	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PE	6.48 6.48 6.48 6.48 6.48 R BOTTLE	ORP (mV) -81.3 -81.4 -81.3 -81.4 TYPE (Circle a	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 27.4 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.39 0.39 0.40 0.36 0.39 LOWED PE	6.48 6.48 6.48 6.48 6.48 R BOTTLE NWTPH-GX -DX) (TPH-	ORP (mV) -81.3 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERMYPH-G) (MYTPH-G) (M	6.48 6.48 6.48 6.48 6.48 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbi	ORP (mV) -81.3 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 27.4 27.4 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWITPH-G) (D) (NWTPH S) (TSS) (B) (Total Kie	6.48 6.48 6.48 6.48 6.48 R BOTTLE NWTPH-Gx -Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 604 604 606 605 NALYSIS AL (0) (8020) (N H) (NWTPH-I activity) (TDS	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free	pH 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (non-standard a	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) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 604 604 606 605 NALYSIS AL (0) (8020) (N H) (NWTPH-Inctivity) (TDS (C) (Total PO4 (e) (WAD Cya) () (As) (Sb) (I	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie anide) (Free Ba) (Be) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 27.4 27.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 27.4 27.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 le) (WAD Cy. 1) (As) (Sb) (Setals) (As) (Sb) (Sb)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 27.4 27.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 27.4 27.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a sase) CI) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 27.4 27.4 27.4 27.4 27.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 604 604 606 605 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 le) (WAD Cya) () (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.39 0.40 0.36 0.39 LOWED PERWIPH-G) (D) (NWTPH-G) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.48 6.48 6.48 6.48 CR BOTTLE NWTPH-GX -DX) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -81.3 -81.4 -81.4 -81.3 -81.4 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (c/NO2) (Pb) (Mg) (Mn) (non-standard a case) Cl) (SO4) (NO (Ni) (Ag) (Se) (Ag) (Se) (Tl) (V	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	ne <u>:</u>	Boeing Rent	on		Project Numbe	r:	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/12 /2019@	1315		
Sample Nun	nber:	RGW229S-	190812		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	ı	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	9.07	Time:	1241	Flow through ce	ll vol.		GW Meter No.(s 3
		8/ 12/2019 (End Purge:	_	8/12 /2019 @	1307	Gallons Purged:	
Purge water of			55-gal Drum		Storage Tank	Ground		SITE TREATM	
C	·				opp				
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 Goa	ls: Stablization	n of Parame		consecutive rea	dings within the fo	ollowing limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1248	26.1	233.8	1.70	5.94	69.8				
1251	26.3	235.1	2.23	5.94	76.1			- <u></u>	
1254	26.5	236.7	3.33	5.95	70.4				
1257	26.7	237.2	4.09	5.95	81.4				SHALLOW WATER
1300	- 1	238.1	4.35	5.95	68.3				AIR BUBBLES
-									AIR BUBBLES
1303	26.9	238.7	5.06	5.96	77.7			·	
1305	27.2	243.3	4.76	5.96	78.7				
	DLLECTION D								
Sample Colle	ected With:	_	Bailer		Pump/Pump Type			_	
Made of:	Ш	Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee		Alconox Was	h 📙	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
	,								
	,		sheen, etc.):	LIGHT BRO	WN, HIGH TUR	B, NO/NS.			
Sample Descr	ription (color,		· <u>-</u>				DTW	Ferrous iron	Comments/
	,	turbidity, odor,	D.O. (mg/L)	LIGHT BRO	OWN, HIGH TUR ORP (mV)	B, NO/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity			
Sample Describeration Replicate	Temp (°F/°C)	Cond. (uS/cm) 245.0	D.O. (mg/L) 4.62	рН 5.96	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 27.3 27.3	Cond. (uS/cm) 245.0	D.O. (mg/L) 4.62 4.80	pH 5.96 5.96	ORP (mV) 77.0 75.4	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 27.3 27.5	Cond. (uS/cm) 245.0 243.6	D.O. (mg/L) 4.62 4.80	pH 5.96 5.96 5.96	ORP (mV) 77.0 75.4 69.7	Turbidity			
Replicate 1 2	Temp (°F/°C) 27.3 27.3 27.5 27.4	Cond. (uS/cm) 245.0 249.7 251.7	D.O. (mg/L) 4.62 4.80 4.47 4.46	pH 5.96 5.96 5.96 5.96	ORP (mV) 77.0 75.4 69.7 65.6	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 27.3 27.5	Cond. (uS/cm) 245.0 243.6	D.O. (mg/L) 4.62 4.80	pH 5.96 5.96 5.96	ORP (mV) 77.0 75.4 69.7	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 27.3 27.3 27.5 27.4	Cond. (uS/cm) 245.0 243.6 249.7 251.7	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59	pH 5.96 5.96 5.96 5.96 5.96	ORP (mV) 77.0 75.4 69.7 65.6	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 TYPICAL A	Cond. (uS/cm) 245.0 243.6 249.7 251.7	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59	5.96 5.96 5.96 5.96 5.96 5.96	ORP (mV) 77.0 75.4 69.7 65.6 71.9	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAH	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) H) (NWTPH-I	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PF (8020) (NW	5.96 5.96 5.96 5.96 5.96 TPH-G) (N	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081)	#DIV/0! pplicable or write: EX) (8141) (Oil & Gre	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAH (pH) (Condu	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH) (b) (TSS) (E	5.96 5.96 5.96 5.96 5.96 TPH-G) (N 1-Dx) (TPH-GOD) (Turbi	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAH (pH) (Condu	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) H) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH E) (TSS) (E) (Total PO4)	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-BOD) (Turbi	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAH (pH) (Condu (COD) (Too	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I activity) (TDS C SM5310C) (le) (WAD Cy:	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PF (8020) (NWTPH (5) (TSS) (E) (Total PO4) anide) (Free	5.96 5.96 5.96 5.96 5.96 CR BOTTLE TPH-G) (NI-Dx) (TPH-G) (Turbic Cyanide)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity) hl Nitrogen) (NI	#DIV/0! #DIV/0! pplicable or write: EX) (8141) (Oil & Gre) (HCO3/CO3) (OH3) (NO3/NO2)	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAI (pH) (Condu (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) H) (NWTPH-Inctivity) (TDS C SM5310C) de) (WAD Cyc) () (As) (Sb) (I	4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NW D) (NWTPH G) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAI (pH) (Condu (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (H) (NWTPH-I uctivity) (TDS C SM5310C) (le) (WAD Cy. () (As) (Sb) (I (etals) (As) (Sb)	4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NW D) (NWTPH G) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 27.4 27.4 27.4 (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (H) (NWTPH-I uctivity) (TDS C SM5310C) (le) (WAD Cy. () (As) (Sb) (I (etals) (As) (Sb)	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 27.4 27.4 27.4 (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I activity) (TDS C SM5310C) (Ie) (WAD Cya) (As) (Sb) (Ie) (Mas) (Mas) (Sb) (Ie) (Mas) (Mas	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 27.4 27.4 27.4 (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I activity) (TDS C SM5310C) (Ie) (WAD Cya) (As) (Sb) (Ie) (Mas) (Mas) (Sb) (Ie) (Mas) (Mas	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 27.4 27.4 27.4 (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I activity) (TDS C SM5310C) (Ie) (WAD Cya) (As) (Sb) (Ie) (Mas) (Mas) (Sb) (Ie) (Mas) (Mas	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAF (pH) (Cond) (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I activity) (TDS C SM5310C) (Ie) (WAD Cya) (As) (Sb) (Ie) (Mas) (Mas) (Sb) (Ie) (Mas) (Mas	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	5.96 5.96 5.96 5.96 5.96 TPH-G) (NI-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (d) (NWTPH-I detivity) (TDS C SM5310C) (de) (WAD Cy: (de) (As) (Sb) (I detals) (As) (Sb) (g) short list) (hane Ethene Ac	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	5.96 5.96 5.96 5.96 5.96 CR BOTTLE TPH-G) (N I-Dx) (TPH-G) (TOTAL Kieda Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.3 27.3 27.5 27.4 27.4 TYPICAL A (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 245.0 243.6 249.7 251.7 247.5 NALYSIS AL VC) (8010) (I) (NWTPH-I activity) (TDS C SM5310C) (Ie) (WAD Cya) (As) (Sb) (Ie) (Mas) (Mas) (Sb) (Ie) (Mas) (Mas	D.O. (mg/L) 4.62 4.80 4.47 4.46 4.59 LOWED PE (8020) (NWTPH b) (TSS) (E (Total PO4) anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	5.96 5.96 5.96 5.96 5.96 CR BOTTLE TPH-G) (N I-Dx) (TPH-G) (TOTAL Kieda Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 77.0 75.4 69.7 65.6 71.9 TYPE (Circle all WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity that Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (0 H3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (F)	Observations OR OR OR OR OR OR OR OR OR OR



. ,	ne <u>:</u>	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/12 /2019@	1347		
Sample Nun	nber:	RGW230I-	190812		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:			
DTW Before		8.5	Time:	-	Flow through cel			GW Meter No.(s	s 3
	Date/Time:			End Purge:	_	8/13 /2019 @	1338	Gallons Purged:	
Purge water d			55-gal Drum		Storage Tank	Ground		SITE TREATM	
ruige water u	nsposed to.		55-gai Diuiii	-	Storage Talik	பு Ground	Other	SHE IKEAIW	ENI SISIEM
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP (mV)	Turbidity	DTW (ft)	Internal Purge	Comments/
Time		(uS/cm) ls: Stablizatio	(mg/L) on of Paramet	ters for three		(NTU) dings within the fo	. ,	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1322	22.2	267.9	2.39	6.12	-42.2		8.51		
1325	22.8	287.8	2.89	6.20	-66.5		8.51		
				6.22			8.51	-	
1328		287.3	3.26		-81.4		0.31		
1331	23.6	344.6	3.70	6.22	-80.1			·	
1334	23.8	342.4	3.87	6.27	-85.0				
1337	24.2	357.1	3.89	6.26	-82.9				
SAMPLE CO	LLECTION D)ATA							
Sample Colle		Ī	Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lura:	Alconox Wa	_	Tap Rinse	DI Water	Dedicated	<u> </u>	Dearented	
(By Numerica		Other	··· <u>·</u>	rap Kilise	Di watei	Dedicated			
	ription (color t	turbidity odor	chaan ata):	LICHTTAN	I I OW TIIDD N	O/NS			
Sample Desci	ription (color, t	turbidity, odor	, sheen, etc.):	LIGHT TAN	I, LOW TURB, N	O/NS.			
Replicate	Temp	Cond. (uS/cm)	D.O. (mg/L)	LIGHT TAN	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)	рН 6.26	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 24.3 24.3	Cond. (uS/cm) 359.9 361.8	D.O. (mg/L) 3.93 3.91	pH 6.26 6.26	ORP (mV) -83.3 -81.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 24.3 24.3 24.4	Cond. (uS/cm) 359.9 361.8	D.O. (mg/L) 3.93 3.91 4.01	pH 6.26 6.26 6.26	ORP (mV) -83.3 -81.9	Turbidity			
Replicate 1 2	Temp (°F/°C) 24.3 24.3	Cond. (uS/cm) 359.9 361.8	D.O. (mg/L) 3.93 3.91	pH 6.26 6.26	ORP (mV) -83.3 -81.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 24.3 24.3 24.4	Cond. (uS/cm) 359.9 361.8	D.O. (mg/L) 3.93 3.91 4.01	pH 6.26 6.26 6.26	ORP (mV) -83.3 -81.9	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98	6.26 6.26 6.26 6.26 6.26	ORP (mV) -83.3 -81.9 -81.9 -81.7 -82.2	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98	pH 6.26 6.26 6.26 6.26 6.26 6.26	ORP (mV) -83.3 -81.9 -81.9 -81.7 -82.2	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM °	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE	6.26 6.26 6.26 6.26 6.26 TPH-G) (N	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle al WTPH-Gx) (BT	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAF	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH-	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PF (8020) (NW	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle a) WTPH-Gx) (BT	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAF (pH) (Condu	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD:	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NW D) (NWTPH S) (TSS) (B	6.26 6.26 6.26 6.26 6.26 CR BOTTLE TPH-G) (N I-Dx) (TPH-GOD) (Turbi	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle a) WTPH-Gx) (BT	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) ((non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM V (8270) (PAF (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD:	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E (Total PO4)	6.26 6.26 6.26 6.26 6.26 CR BOTTLE TPH-G) (N' 1-Dx) (TPH-GOD) (Turbic (Total Kieda	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) ((non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAH (pH) (Conduction) (TOC) (Total Cyanid	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- lectivity) (TD: C SM5310C) le) (WAD Cy	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PF (8020) (NW D) (NWTPH S) (TSS) (E) (Total PO4) anide) (Free	6.26 6.26 6.26 6.26 6.26 CR BOTTLE TPH-G) (N' 1-Dx) (TPH-G) (Turbic Cyanide)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity hl Nitrogen) (NI	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) ((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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAF (pH) (Condu (COD) (TOG) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- ictivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NW D) (NWTPH S) (TSS) (B (Total PO4) ranide) (Free Ba) (Be) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM V (8270) (PAH (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM V (8270) (PAH (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- ictivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM V (8270) (PAH (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM V (8270) (PAH (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 24.3 24.4 24.4 24.4 TYPICAL A (8260C SIM ° (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 359.9 361.8 362.6 363.8 362.0 NALYSIS AI VC) (8010) H) (NWTPH- uctivity) (TD: C SM5310C) le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.93 3.91 4.01 4.05 3.98 LOWED PE (8020) (NWTPH S) (TSS) (E) (Total PO4) (Total PO4) ranide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.26 6.26 6.26 6.26 6.26 TPH-G) (N'I-Dx) (TPH-GOD) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) -83.3 -81.9 -81.7 -82.2 TYPE (Circle ap WTPH-Gx) (BT HCID) (8081) (dity) (Alkalinity thl Nitrogen) (NI (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (EX) (8141) (Oil & Gre.) (HCO3/CO3) (GH3) (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA O3) (NO2) (F) (T1) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	1320		
Sample Nun	nber:	RGW231S-	190812		Weather:	SUNNY, HOT			
Landau Rep	resentative:	BXM							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	8.27	Time:	1253	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 12/2019		End Purge:	-	8/ 12/2019@1:	316	Gallons Purged:	
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%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1301	24.1	280.9	1.92	6.31	26.2			· 	COULD NOT
1304	24.5	284.1	1.66	6.32	13.1				GET DTW
1307	25.2	287.3	1.49	6.37	7.60				
1310	25.6	289.5	1.36	6.40	5.20				
							-		
1313	26.1	291.0	1.36	6.41	3.20				
	<u> </u>								
SAMPLE CO	LLECTION D	OATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other	_	•		_			
Sample Descr									
	ription (color,	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, DARK FINES			
	ription (color,	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	IS, DARK FINES			
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C) 26.3	Cond. (uS/cm)	D.O. (mg/L)	рН 6.41	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 26.3 26.3	Cond. (uS/cm) 291.4 291.6	D.O. (mg/L) 1.21	рН 6.41 6.42	ORP (mV) 3.2 2.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 26.3 26.3	Cond. (uS/cm) 291.4 291.6	D.O. (mg/L) 1.21 1.18	pH 6.41 6.42 6.42	ORP (mV) 3.2 2.6 2.3	Turbidity			
Replicate 1 2	Temp (°F/°C) 26.3 26.3	Cond. (uS/cm) 291.4 291.6	D.O. (mg/L) 1.21	рН 6.41 6.42	ORP (mV) 3.2 2.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 26.3 26.3	Cond. (uS/cm) 291.4 291.6	D.O. (mg/L) 1.21 1.18	pH 6.41 6.42 6.42	ORP (mV) 3.2 2.6 2.3	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4	Cond. (uS/cm) 291.4 291.6 291.8 291.9	D.O. (mg/L) 1.21 1.21 1.18 1.12 1.18	6.41 6.42 6.42 6.42 6.42	ORP (mV) 3.2 2.6 2.3 1.8 2.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 TYPICAL A	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7	D.O. (mg/L) 1.21 1.18 1.12 1.18 LOWED PE	pH 6.41 6.42 6.42 6.42 6.42 6.42	ORP (mV) 3.2 2.6 2.3 1.8 2.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.4 26.4 26.4 TYPICAL A (8260C SIM	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AL	D.O. (mg/L) 1.21 1.18 1.12 1.18 LOWED PE (8020) (NW	6.41 6.42 6.42 6.42 6.42 6.42 TPH-G) (N	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	non-standard a	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAI	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AL VC) (8010) H) (NWTPH-	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.10 LOWED PE (8020) (NW D) (NWTPH	6.41 6.42 6.42 6.42 6.42 7PH-G) (N'	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAR (pH) (Condu	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-I	D.O. (mg/L) 1.21 1.21 1.18 1.12 1.18 1.10 LOWED PE (8020) (NW D) (NWTPH S) (TSS) (B	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N I-Dx) (TPH-GOD) (Turbi	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081)	#DIV/0! pplicable or write (EX) (8141) (Oil & Gree)	non-standard a	nalysis below) WA WA WA	Observations OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAR (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-I	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.10 LOWED PE (8020) (NWTPH S) (TSS) (E (Total PO4)	6.41 6.42 6.42 6.42 6.42 7PH-G) (N' 1-Dx) (TPH-G) (Turbic (Total Kieda	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (EX) (8141) (Oil & Gree)	non-standard a	nalysis below) WA WA WA	Observations OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAI (pH) (Conduction) (COD) (TOO (Total Cyanic	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDSC SM5310C) de) (WAD Cy	D.O. (mg/L) 1.21 1.18 1.12 1.18 LOWED PF (8020) (NW D) (NWTPH S) (TSS) (E) (Total PO4) anide) (Free	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' 1-Dx) (TPH-G) (Turbic Cyanide)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a) WTPH-Gx) (BT HCID) (8081) dity) (Alkalinity hI Nitrogen) (NI	#DIV/0! pplicable or write (EX) (8141) (Oil & Gree)	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 □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAB (pH) (Condu (COD) (Tod (Total Cyanic (Total Metals	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AL VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (D.O. (mg/L) 1.21 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAB (pH) (Condu (COD) (Tod (Total Cyanic (Total Metals	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAR (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAR (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAR (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average:	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAR (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAH (PH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-luctivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N' (-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle approximately the content of the	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (E)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate Sam	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAI (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-lactivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) ag short list) nane Ethene Ad	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N I-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a) WTPH-Gx) (B1 HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! pplicable or write EEX) (8141) (Oil & Gree) (HCO3/CO3) (OH3) (NO3/NO2) (Pb) (Mg) (Mn) (Ni)	non-standard a ease) Cl) (SO4) (NO (Ni) (Ag) (Se) (Ag) (Se) (Tl) (V	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H) V) (Zn) (Hg) (K)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 26.3 26.3 26.4 26.4 26.4 26.4 TYPICAL A (8260C SIM (8270) (PAI (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 291.4 291.6 291.8 291.9 291.7 NALYSIS AI VC) (8010) H) (NWTPH-lactivity) (TDS C SM5310C) de) (WAD Cy c) (As) (Sb) (detals) (As) (Sb) ag short list) nane Ethene Ad	D.O. (mg/L) 1.21 1.18 1.12 1.18 1.12 1.18 1.19 1.19 1.19 1.10	6.41 6.42 6.42 6.42 6.42 CR BOTTLE TPH-G) (N I-Dx) (TPH-G) (Turbi (Total Kieda Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 3.2 2.6 2.3 1.8 2.5 TYPE (Circle a) WTPH-Gx) (B1 HCID) (8081) dity) (Alkalinity hl Nitrogen) (NI (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! pplicable or write EX) (8141) (Oil & Gre) (HCO3/CO3) (H3) (NO3/NO2) (Pb) (Mg) (Mn) (H3)	non-standard a ease) Cl) (SO4) (NO (Ag) (Se) (Tl) (V	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H) V) (Zn) (Hg) (K)	Observations OR OR OR OR OR OR OR OR OR OR



Event	Project Nam	ne <u>:</u>	Boeing Rent	ton		Project Number	r <u>:</u>	0025217.099.0	99	
MATRIE TVE MYST JUNE GENTAL	Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	920		
MATERIEVEL MELLOPE Color	Sample Nun	nber:	RGW081S-	190812		Weather:	SSUNNY, WAI	RM		
Description	Landau Rep	resentative:	BXM							
DTW Refune Purging (1) 9.6 Time 8.45 Pow through cell vol. Dufe/Time 8.11 27019 vel 51 27019 vel	WATER LEV	/EL/WELL/PU	IRGE DATA							
Regin Purger Date Times Purger water disposed to:	Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
Purple State Sta	DTW Before	Purging (ft)	9.6	Time:	845	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Temp	Begin Purge:	Date/Time:	8/ 12/2019	@ 851	End Purge:	Date/Time:	8/ 12/2019@	914	Gallons Purged:	<0.5
Time	Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Purgs Goods: Stabilization of Parameters for three consecutive readings within the following limits	Time	-			pН		•		8	
SSAMPLE COLIECTION DATA Sample Collected With: Stainless Sized PVC Teflon Polyethylene Other Dedicated		Purge Goa	s: Stablizatio	n of Parame		e consecutive rea	dings within the fo	ollowing limits	>/= 1 flow	
SAPPLE COLLECTION DATA		+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
900 21.3 251.5 1.64 6.79 -6.1 9.61 903 21.3 253.5 1.56 6.66 0.7 906 21.3 253.1 1.54 6.58 4.7 909 21.6 2609 1.19 6.58 -14.0 912 21.7 262.5 1.09 6.58 -19.6 SAMPLE COLLECTION DATA Sample Collected With: Bailer Pump/Pump Type BLADDER Made of: Stainless Steel PVC Teffon Potyerhylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated (By Numerical Order) Oher Sample Description (color, turbidity, odor, sheen, etc.): NOANS CLEAR, COLORLESS, DARK FINES Replicate Temp Cond. (us/km) (mg/L) PH ORP (nt/V) (NTU) (ft) Ferrous iron (refe II) Comments/ (ns/V) (us/km) (ng/L) (ns/V) (ns/V) (ns/V) (refe II) Comments/ Observations 1 21.7 260.8 1.11 6.58 -21.7 2 21.7 261.3 1.08 6.58 -22.9 3 21.7 260.3 1.04 6.58 -22.3 4 21.8 258.3 1.05 6.59 -26.0 Average: 21.7 260.2 1.07 6.6 -23.7 #DIV/O: QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8266-ShN) (8010) (8020) (NWTPH-G) (NWTPH-G) (BTEX) WA OR GROUP (PM) (NWTPH-G) (NWTPH-G) (REFE) (SM) (SM) (NG) (SM) (NO2) (F) (Total Metals) (As) (Sb) (Ba) (Bc) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Ti) (V) (Za) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Bc) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Ti) (V) (Za) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Bc) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Ti) (V) (Za) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Bc) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Ti) (V) (Za) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Bc) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (Ti) (V) (Za) (Hg) (K) (Na) (Hardness) (Sili V) (Co) (Co) (Co) (Ci) (Ci) (Ci) (Ci) (Ci) (Ci) (Ci) (Ci	854	21.1	230.0	2.05	7.27	-16.8		9.58		
903 21.3 253.5 1.56 6.66 0.7 906 21.3 253.1 1.54 6.58 4.7 909 21.6 260.9 1.19 6.58 -14.0 912 21.7 262.5 1.09 6.58 -19.6 SAMPLE COLLECTION DATA Sample Collected With:	857	21.3	250.2	1.65	6.92	-9.4		9.60		
906 21.3 253.1 1.54 6.58 4.7 909 21.6 260.9 1.19 6.58 -14.0 912 21.7 262.5 1.09 6.58 -19.6 SAMPLE COLLECTION DATA	900	21.3	251.5	1.64	6.79	-6.1		9.61		
906 21.3 253.1 1.54 6.58 4.7 909 21.6 260.9 1.19 6.58 -14.0 912 21.7 262.5 1.09 6.58 -19.6 SAMPLE COLLECTION DATA	903	21.3	253.5	1.56	6.66	0.7			'	
999 21.6 26.9 1.19 6.58 -14.0 912 21.7 262.5 1.09 6.58 -19.6 SAMPLE COLLECTION DATA	906								•	-
SAMPLE COLLECTION DATA Sample Collected With:		·				-			-	-
SAMPLE COLLECTION DATA Sample Collected With:									-	
Sample Collected With:	912	21.7	262.5	1.09	6.58	-19.6				
Sample Collected With:	CANDIE CO	N. I. ECTION E							_	
Made of: Stainless Steel PVC Teffon Polywthylene Other Dedicated Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated Sample Description (color, turbidity, odor, sheen, etc.): NO/NS CLEAR, COLORLESS, DARK FINES Replicate Temp (Cond. (rSFC) D.O. (mg/L) pH ORP Turbidity (NTU) DTW Ferrous iron (Fe II) Comments/Observations 1 21.7 260.8 1.11 6.58 -21.7 -22.9				Dailer		Decree Decree Terre	. DI ADDED			
Decon Procedure: Alconox Wash Tap Rinse DI Water Dedicated		cted with:	_	_	_		_	Othor	Dadiantad	-
Company Comp		. -				₩		Щ Other	Dedicated	
Sample Description (color, turbidity, odor, sheen, etc.): NO/NS CLEAR, COLORLESS, DARK FINES Replicate Temp (°F/°C) Cond. (uS/cm) D.O. pH (my/L) ORP (mV) Turbidity (nTU) DTW (ft) Ferrous iron (Fe II) Comments/Observations 1 21.7 260.8 1.11 6.58 -21.7 -2.2.9			<u> </u>	h 🏻	Tap Rinse	DI Water	Dedicated			
Replicate Temp Cond. D.O. pH ORP Turbidity DTW Ferrous iron Comments/Observations				.1	NO/NG CLE	AD COLODIES	C DADK EDJEC			
CFF°C CuS/cm Cmg/L CmV CNTU CMTU CMTU	Sample Desci	ription (color,	iurbiuity, odor	, sneen, etc.) <u>.</u>	NO/N3 CLE	AK, COLOKLES	S, DAKK FINES			
2 21.7 261.3 1.08 6.58 -22.9 3 21.7 260.3 1.04 6.58 -24.3 4 21.8 258.3 1.05 6.59 -26.0 Average: 21.7 260.2 1.07 6.6 -23.7 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260-SIM) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR	Replicate	-			pН		•			
3 21.7 260.3 1.04 6.58 -24.3 4 21.8 258.3 1.05 6.59 -26.0 Average: 21.7 260.2 1.07 6.6 -23.7 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260-SIM) (8010) (8020) (NWTPH-G) (NWTPH-GX) (BTEX) WA □ OR □ (8270D) (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) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Hardness) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Comments:	1	21.7	260.8	1.11	6.58	-21.7				
Average: 21.7 260.2 1.07 6.6 -23.7 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	2	21.7	261.3	1.08	6.58	-22.9				
Average: 21.7 260.2 1.07 6.6 -23.7 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	3	21.7	260.3	1.04	6.58	-24.3				
Average: 21.7 260.2 1.07 6.6 -23.7 #DIV/0! QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260-SIM) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR (8270D) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (0il & Grease) WA OR (PH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HC03/CO3) (CI) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Comments:									-	-
QUANTITY TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below) 3 (8260-SIM) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA OR OR (8270D) (PAH) (NWTPH-D) (NWTPH-Dx) (TPH-HCID) (8081) (8141) (Oil & Grease) WA OR OR (PH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Comments:							#DIV/0!			
3 (8260-SIM) (8010) (8020) (NWTPH-G) (NWTPH-Gx) (BTEX) WA ☐ OR ☐ (8270D) (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) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Comments:								-		
(8270D) (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) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (Total Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Dissolved Metals) (As) (Sb) (Ba) (Be) (Ca) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se) (TI) (V) (Zn) (Hg) (K) (Na) (Hardness) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene Duplicate Sample No(s): Comments:							pplicable or write	non-standard a		on C
(pH) (Conductivity) (TDS) (TSS) (BOD) (Turbidity) (Alkalinity) (HCO3/CO3) (Cl) (SO4) (NO3) (NO2) (F) 1 (COD) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene Others Duplicate Sample No(s): Comments:	3	,	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	· ·			(0141) (01.0 C			
1 (COD) (TOC5310C) (Total PO4) (Total Kiedahl Nitrogen) (NH3) (NO3/NO2) (Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:		1								OR L
(Total Cyanide) (WAD Cyanide) (Free Cyanide) 1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:	1	. , ,	• • • • • • • • • • • • • • • • • • • •	, , , ,	, ,			CI) (BOT) (NC	(F) (1102) (F)	
1 (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) (Sili VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:		, ,	, ,	, ,		(1113)	(1,05/1,02)			
VOC (Boeing short list) Methane Ethane Ethene Acetylene others Duplicate Sample No(s): Comments:	1	•				(Cr) (Cu) (Fe)	(Pb) (Mg) (Mn) ((Ni) (Ag) (Se)	(Tl) (V) (Zn) (H	Hg) (K) (Na)
Methane Ethane Ethane Acetylene others Duplicate Sample No(s): Comments:		(Dissolved M	etals) (As) (Sb	(Ba) (Be) (C	Ca) (Cd) (Co)	(Cr) (Cu) (Fe) (F	b) (Mg) (Mn) (Ni)	(Ag) (Se) (Tl) (V	(Zn) (Hg) (K)	(Na) (Hardness) (Sili
others Duplicate Sample No(s): Comments:		VOC (Boein	g short list)							
Duplicate Sample No(s): Comments:		Methane Eth	ane Ethene Ac	etylene						
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Duplicate Sample No(s): Comments:		a4h ana								
Comments:	<u></u>									
		others								
	•	•								



Project Nam	e <u>:</u>	Boeing Ren	ton		Project Number	<u>r:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/12 /2019@	1145		
Sample Num	nber:	RGW152S-	190812		Weather:	PARTLY SUNN	ΙΥ		
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	n:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	10.05	Time:	1114	Flow through cei	l vol.		GW Meter No.(s	s 3
		8/12 /2019 @	1117	End Purge:	_	8/12 /2019 @	1139	Gallons Purged:	<0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	T	C 1	D.O.	17	ODD	T1: 1!4	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
						dings within the fo	- C	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1120	21.6	177.1	2.72	6.27	0.1		10.28		
1123	22.0	177.8	2.10	6.24	-6.9		10.28		
1126	22.4	178.6	1.82	6.21	9.4		10.28		
1129	22.7	179.1	1.92	6.13	16.9				
1132	22.9	179.6	2.46	6.08	15.5				
			-	-					-
1135	23.1	180.4	3.09	6.06	20.8				
1137	23.3	181.2	3.50	6.06	20.8				
SAMPLE CO									
Sample Collec	cted With:	_	Bailer	_	Pump/Pump Type	_		_	
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	1 Order)								
, ,	i Oraer)	Other							
			, sheen, etc.):	TANISH, M	ED-HIGH TURB	NO/NS.			
Sample Descr	iption (color, t	turbidity, odor	· -				DTW	Formous iron	Commente
			D.O. (mg/L)	TANISH, M	ED-HIGH TURB ORP (mV)	NO/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 181.4	D.O. (mg/L)	pH 6.06	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 23.3 23.3	Cond. (uS/cm) 181.4	D.O. (mg/L) 3.51 3.60	pH 6.06 6.06	ORP (mV) 10.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.3 23.3 23.3	Cond. (uS/cm) 181.4 181.6	D.O. (mg/L) 3.51 3.60	pH 6.06 6.06 6.06	ORP (mV) 10.9 18.9	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 23.3 23.3	Cond. (uS/cm) 181.4	D.O. (mg/L) 3.51 3.60	pH 6.06 6.06	ORP (mV) 10.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.3 23.3 23.3	Cond. (uS/cm) 181.4 181.6	D.O. (mg/L) 3.51 3.60	pH 6.06 6.06 6.06	ORP (mV) 10.9 18.9	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3	Cond. (uS/cm) 181.4 181.6 181.8 181.8	D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60	pH 6.06 6.06 6.06 6.06 6.06	ORP (mV) 10.9 18.9 19.9 20.4 17.5	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3	Cond. (uS/cm) 181.4 181.6 181.8 181.8	D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60 LOWED PE	pH 6.06 6.06 6.06 6.06 6.06 CR BOTTLE	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 23.3 23.3	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020	D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60 LOWED PE	6.06 6.06 6.06 6.06 6.06 CR BOTTLE	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020)	D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60 LOWED PE (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D)	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPH	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPF activity) (TDS) (C5310C) (Total	3.51 3.60 3.64 3.65 3.60 LOWED PE () (NWTPH-I-D) (NWTP	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPH-DX) (TPH-DX) (TPH-DX) (TPH-DX) (TPH-DX) (TPH-DX) (TRIB-DX) (TUR-DX) (TUR-DX	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! (8141) (Oil & Gro) (HCO3/CO3) (Gro)	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 181.4 181.6 181.8 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPE- lectivity) (TDS) (C5310C) (Total	3.51 3.60 3.64 3.65 3.60 LOWED PE () (NWTPH-I-D) (NWT	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI CH-Dx) (TPI COD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 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 in	non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPE- lectivity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (3.51 3.60 3.64 3.65 3.60 LOWED PE () (NWTPH-I-D) (NWT	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alder (Circle alder (Circle alder (Circle alder (Circle alder (Circle alder (Circle (Circ	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AL (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total) (e) (WAD Cy (c) (As) (Sb) (cetals) (As) (Sb) (cetals)	3.51 3.60 3.64 3.65 3.60 LOWED PE () (NWTPH-I-D) (NWT	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	3.51 3.60 3.64 3.65 3.60 LOWED PE (INST) (NWTPH-I-D)	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AL (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total) (e) (WAD Cy (c) (As) (Sb) (cetals) (As) (Sb) (cetals)	3.51 3.60 3.64 3.65 3.60 LOWED PE (INST) (NWTPH-I-D)	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	3.51 3.60 3.64 3.65 3.60 LOWED PE (INST) (NWTPH-I-D)	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	3.51 3.60 3.64 3.65 3.60 LOWED PE (INST) (NWTPH-I-D)	6.06 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020) AH) (NWTPHetivity) (TDS) (C5310C) (Total) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60 LOWED PE D) (NWTPH-I-D)	pH 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3 1 Duplicate San	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (C5310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60 LOWED PE D) (NWTPH-I-D)	pH 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) 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 3	Temp (°F/°C) 23.3 23.3 23.3 23.3 23.3 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 181.4 181.6 181.8 181.7 NALYSIS AI (8010) (8020) AH) (NWTPHetivity) (TDS) (C5310C) (Total) (As) (Sb) (Cetals) (As) (Sb) (Setals) (As) (D.O. (mg/L) 3.51 3.60 3.64 3.65 3.60 LOWED PE D) (NWTPH-I-D)	pH 6.06 6.06 6.06 6.06 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 10.9 18.9 19.9 20.4 17.5 TYPE (Circle alders) H-HCID) (8081) dity) (Alkalinity (fitrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the control of the control	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Number	er <u>:</u>	0025217.099.0)99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	830		
Sample Nun	nber:	RGWDUP1	190812		Weather:	PARTLY SUNN	ΙΥ		
Landau Rep	resentative:								
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before			Time:		Flow through ce			GW Meter No.(s	s 3
	Date/Time:	8/ 12/2019 @		End Purge:	-	8/ 12/2019 @		Gallons Purged:	<u> </u>
Purge water d			55-gal Drum	Ē	Storage Tank	Ground	Othor	SITE TREATM	ENT CVCTEM
ruige water u	iisposed to.		55-gai Diuiii		Storage Talik	الله Oround	Other	SHE TREATM	ENI SISIEM
m.	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm) ls: Stablizatio	(mg/L) on of Parame	ters for three	(mV)	(NTU) adings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
-								-	
		DH		TF 7	O RG	W152S			
						W 1323			
-									
					-	·			
						· 		· 	
SAMPLE CO	LLECTION D	OATA							
Sample Colle	cted With:		Bailer		Pump/Pump Typ	e BLADDER		=	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
						_			
(By Numerica	ıl Order)	Other		_					
, ,		-	r, sheen, etc.):	TANISH, M	ED-HIGH TURE				
		-	, sheen, etc.)	: TANISH, M	ED-HIGH TURE				
		-	D.O.	TANISH, M	ED-HIGH TURE	3, NO/NS. Turbidity	DTW	Ferrous iron	Comments/
Sample Descr	ription (color,	turbidity, odor	-			B, NO/NS.	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	ription (color,	turbidity, odor	D.O.		ORP	3, NO/NS. Turbidity (NTU)			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	3, NO/NS. Turbidity (NTU)			
Replicate 1 2	Temp (°F/°C) 23.4 23.4	Cond. (uS/cm) 182.2	D.O. (mg/L) 3.65	pH 6.06 6.06	ORP (mV) 13.4	3, NO/NS. Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 23.4 23.4 23.4	Cond. (uS/cm) 182.2 182.1	D.O. (mg/L) 3.65 3.70	pH 6.06 6.06 6.06	ORP (mV) 13.4 15.1 17.5	3, NO/NS. Turbidity (NTU)			
Replicate 1 2	Temp (°F/°C) 23.4 23.4	Cond. (uS/cm) 182.2	D.O. (mg/L) 3.65	pH 6.06 6.06	ORP (mV) 13.4	3, NO/NS. Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 23.4 23.4 23.4	Cond. (uS/cm) 182.2 182.1	D.O. (mg/L) 3.65 3.70	pH 6.06 6.06 6.06	ORP (mV) 13.4 15.1 17.5	3, NO/NS. Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71	pH 6.06 6.06 6.06 6.06 6.06	ORP (mV) 13.4 15.1 17.5 18.4 16.1	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 TYPICAL A	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI	pH 6.06 6.06 6.06 6.06 6.06 6.06	ORP (mV) 13.4 15.1 17.5 18.4 16.1	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM)	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI O) (NWTPH	6.06 6.06 6.06 6.06 6.06 ER BOTTLE	ORP (mV) 13.4 15.1 17.5 18.4 16.1	#DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 23.4 (8260-SIM) (8270D) (PA	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPH	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI D) (NWTPH-H-D) (NWTPH-H-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE -G) (NWTPI	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	(Fe II) nnalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 23.4 (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI () (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write 1 (8141) (Oil & Gr () (HCO3/CO3) (O	non-standard a	(Fe II) nnalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI 3.0) (NWTPH-I-D) (NWTPH-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write 1 (8141) (Oil & Gr () (HCO3/CO3) (O	non-standard a	(Fe II) nnalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOO (Total Cyanid	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 CLOWED PI D) (NWTPH-H-D) (NWTPH-H-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE -G) (NWTPI -CH-Dx) (TPI BOD) (Turbi otal Kiedahl N	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (MH3)	#DIV/0! #DIV/0! pplicable or write 1 (8141) (Oil & Gr () (HCO3/CO3) (O	non-standard a rease) Cl) (SO4) (No	(Fe II) malysis below) WA WA 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) 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: 05310C) (To le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 CLOWED PI O) (NWTPH H-D) (NWTH S) (TSS) (Etal PO4) (Total PO4) (Tota	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (No	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS C5310C) (To de) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 CLOWED PI O) (NWTPH H-D) (NWTH S) (TSS) (Etal PO4) (Total PO4) (Tota	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS C5310C) (To de) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI 3.9) (NWTPH-H-D) (NWTH-H-D) (NWTH-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI 3.9) (NWTPH-H-D) (NWTH-H-D) (NWTH-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI 3.9) (NWTPH-H-D) (NWTH-H-D) (NWTH-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 LLOWED PI 3.9) (NWTPH-H-D) (NWTH-H-D) (NWTH-	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	turbidity, odor Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPFectivity) (TDS (C5310C) (To le) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb) (g short list) nane Ethene Ac	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 CLOWED PI O) (NWTPH H-D) (NWTPH H-D) (NWTPH Ba) (Toy (ranide) (Free (ranide) (Free (ranide) (Free (ranide) (Ba) (Be) (Co) (ranide) (Co)	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3 1 Duplicate Sar	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 CLOWED PI O) (NWTPH H-D) (NWTPH H-D) (NWTPH Ba) (Toy (ranide) (Free (ranide) (Free (ranide) (Free (ranide) (Ba) (Be) (Co) (ranide) (Co)	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) 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 3	Temp (°F/°C) 23.4 23.4 23.4 23.4 23.4 23.4 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	turbidity, odor Cond. (uS/cm) 182.2 182.1 182.2 182.3 182.2 NALYSIS AI (8010) (8020 AH) (NWTPFectivity) (TDS (C5310C) (To le) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb) (g short list) nane Ethene Ac	D.O. (mg/L) 3.65 3.70 3.72 3.76 3.71 CLOWED PI O) (NWTPH H-D) (NWTPH H-D) (NWTPH Ba) (Toy (ranide) (Free (ranide) (Free (ranide) (Free (ranide) (Ba) (Be) (Co) (ranide) (Co)	6.06 6.06 6.06 6.06 6.06 ER BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) 13.4 15.1 17.5 18.4 16.1 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! #pplicable or write 1 (NTU) (NTU) (Pb) (Mg) (Mn) (1	non-standard a rease) Cl) (SO4) (No	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e <u>:</u>	Boeing Ren	ton		Project Numbe	<u>r:</u>	0025217.099.0	199	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1130		
Sample Num	nber:	RGW153S-	190812		Weather:	SUNNY, WARM	l l		
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	10.75	Time:	1102	Flow through ce	ll vol.		GW Meter No.(s HERON-1
Begin Purge:	Date/Time:	8/ 12/2019	@ 1107	End Purge:	Date/Time:	8/ 12 /2019 @	1120	Gallons Purged:	<0.5
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)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
						dings within the fol	- C	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1110	21.1	256.4	2.84	6.71	-30.2		10.81		
1113	21.9	261.0	1.85	6.63	-31.3		10.77		
1116	22.2	258.9	2.12	6.62	-29.2		10.77		
•									
-									
SAMPLE CO									
Sample Collec	cted With:	. —	Bailer	_	Pump/Pump Type			_	
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	1.0								
· •		Other							
· •		—	, sheen, etc.):	CLEAR, CO	LORLESS, YELI	LOW FINES, NO/NS	S		
Sample Descr	iption (color,	turbidity, odor						Farrous iron	Comments
· •		—	D.O. (mg/L)	CLEAR, CO	ORP (mV)	LOW FINES, NO/NS Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 255.6	D.O. (mg/L)	pH 6.59	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 22.6	Cond. (uS/cm) 255.6	D.O. (mg/L) 2.05	pH 6.59 6.59	ORP (mV) -23.0 -22.3	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 22.6 22.7	Cond. (uS/cm) 255.6 255.2 254.8	D.O. (mg/L) 2.05 1.99	pH 6.59 6.59 6.59	ORP (mV) -23.0 -22.3 -21.0	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 22.6	Cond. (uS/cm) 255.6	D.O. (mg/L) 2.05	pH 6.59 6.59	ORP (mV) -23.0 -22.3	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 22.6 22.7	Cond. (uS/cm) 255.6 255.2 254.8	D.O. (mg/L) 2.05 1.99	pH 6.59 6.59 6.59	ORP (mV) -23.0 -22.3 -21.0	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.7 22.7 22.8	Cond. (uS/cm) 255.6 255.2 254.8 254.3	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07	pH 6.59 6.59 6.59 6.59 6.59	ORP (mV) -23.0 -22.3 -21.0 -20.1	Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.7 22.7 22.8 22.7	Cond. (uS/cm) 255.6 255.2 254.8 254.3	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07	6.59 6.59 6.59 6.59 6.59	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.7 22.8 22.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE	6.59 6.59 6.59 6.59 6.59 6.59 6.79 6.79 6.79 6.79 6.79 6.79 6.79	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.6 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD:	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (NWTPH-H-D) (NWTP	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.70 6.70 6.70 6.70 6.70 6.70 6.70 6.70	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gro	OTW (ft) on-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.6 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: C5310C) (To	2.05 1.99 2.12 2.10 2.07 LOWED PE D) (NWTPH-H-D) (NWTP S) (TSS) (B	6.59 6.59 6.59 6.59 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPI OD) (Turbi tal Kiedahl N	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gro	OTW (ft) on-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.6 22.7 22.8 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: (C5310C) (To	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE D) (NWTPH-D) (6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.70 6.70 6.70 6.70 6.70 6.70 6.70 6.70	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gro) (HCO3/CO3) (C (NO3/NO2)	on-standard a ease) 1) (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 □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.6 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (C5310C) (To lee) (WAD Cy) (As) (Sb) (D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE 1.0) (NWTPH-I-D) (NWTPH-I	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.59 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi ttal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3	Temp (°F/°C) 22.6 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS CS310C) (To de) (WAD Cy () (As) (Sb) (setals) (As) (Sb) (setals) (As) (Sb)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE 1.0) (NWTPH-I-D) (NWTPH-I	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.59 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi ttal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS CS310C) (To de) (WAD Cy () (As) (Sb) (setals) (As) (Sb) (setals) (As) (Sb)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.59 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi ttal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb: (g short list)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.59 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi ttal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb: (g short list)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.50 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb: (g short list)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.50 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb: (g short list)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.50 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3 1 Duplicate San	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb: (g short list)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.50 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 3	Temp (°F/°C) 22.6 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) 255.6 255.2 254.8 254.3 255.0 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb: (g short list)	D.O. (mg/L) 2.05 1.99 2.12 2.10 2.07 LOWED PE (MYTPH-ID) (NWTPH-ID) (N	6.59 6.59 6.59 6.59 6.59 6.70 6.59 6.59 6.50 CR BOTTLE G) (NWTPI H-Dx) (TPF H-Dx) (TPF H-Dx) (Turbi tal Kiedahl N Cyanide) 1) (Cd) (Co)	ORP (mV) -23.0 -22.3 -21.0 -20.1 -21.6 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write n (8141) (Oil & Gree) (HCO3/CO3) (C) (NO3/NO2)	on-standard a ease) I) (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 Rent	ton		Project Numbe	<u>r:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1059		
Sample Nun	nber:	RGW172S-	190812		Weather:	MOSTLY CLO	UDY		
Landau Rep	resentative:								
WATER LEV	/EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	10.35	Time:	1015	Flow through ce	l vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/ 12 /2019 (1033	End Purge:	Date/Time:	8/ 12 /2019 @	1054	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)	P	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units		dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
1026						+/- 10 %		unrough cen	
1036	24.2	245.2	2.11	6.52	-43.4		10.51		
1039	24.4	246.8	2.00	6.51	-41.9		10.48		
1042	24.7	248.1	2.12	6.51	-42.2		10.44		
1045	24.9	249.7	2.44	6.51	-39.5				
1048	25.1	252.1	2.68	6.51	-41.1				
1051	25.4	257.1	2.93	6.50	-38.6				
1053		257.3	2.98	6.49	-40.5				
1033	23.3	201.5	2.70	0.17	10.5				
SAMPLE CO	DLLECTION D	ATA							
Sample Colle			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ture:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica		Other	_	.1					
, ,	,								
Sample Descr	ription (color,	turbidity, odor.	, sheen, etc.):	YELLOW/L	IGHT ORANGE,	LOW-MED TURE	s, NO/NS, SLIGI	HT PARTICULA	TES
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	YELLOW/L	IGHT ORANGE,	LOW-MED TURE	3, NO/NS, SLIGI	HT PARTICULA	TES
Sample Descri Replicate	Temp	Cond.	D.O.	YELLOW/L	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				
	Temp	Cond.	D.O.		ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C) 25.5	Cond. (uS/cm)	D.O. (mg/L)	рН 6.49	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 25.5 25.5	Cond. (uS/cm) 257.4 257.3	D.O. (mg/L) 2.99 3.03	pH 6.49 6.49	ORP (mV) -41.0	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 25.5 25.5 25.5	Cond. (uS/cm) 257.4 257.3	D.O. (mg/L) 2.99 3.03	pH 6.49 6.49 6.49	ORP (mV) -41.0 -41.0	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) 257.4 257.3 257.2 257.3 257.3	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03	6.49 6.49 6.49 6.49 6.49	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1	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 TYPICAL A	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF	6.49 6.49 6.49 6.49 6.49 6.49	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260-SIM)	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AL (8010) (8020	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PE	6.49 6.49 6.49 6.49 6.49 6.49 6.49 6.49	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX)	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 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (NWTF	6.49 6.49 6.49 6.49 6.49 6.49 6.49 6.49	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA	Comments/ Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (NWTF	6.49 6.49 6.49 6.49 6.49 6.49 6.49 CR BOTTLE G) (NWTPI PH-Dx) (TPI SOD) (Turbi	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA	Comments/ Observations OR 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-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PE (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.19 6.49 6.49 CR BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi stal Kiedahl N	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (0	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA	Comments/ Observations 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 25.6	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 257.3 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Total	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF D) (NWTPH-LD) (NWTPH	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA 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 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (C5310C) (Totale) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF D) (NWTPH-LD) (NWTPH	6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA O	Comments/ Observations OR □ 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-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy) (As) (Sb) (letals) (As) (Sb g short list)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA 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 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (C5310C) (Totale) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA 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 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy) (As) (Sb) (letals) (As) (Sb g short list)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA 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 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy) (As) (Sb) (letals) (As) (Sb g short list)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA 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 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy) (As) (Sb) (letals) (As) (Sb g short list)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA O	Comments/ Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 25.5 25.5 25.5 25.5 25.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy) (As) (Sb) (letals) (As) (Sb g short list)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA 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 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 257.4 257.3 257.2 257.3 257.3 NALYSIS AI (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy) (As) (Sb) (letals) (As) (Sb g short list)	D.O. (mg/L) 2.99 3.03 3.05 3.06 3.03 LOWED PF (NWTPH-I-D) (6.49 6.49 6.49 6.49 6.49 6.49 ER BOTTLE G) (NWTP) PH-Dx) (TPI BOD) (Turbi otal Kiedahl N e Cyanide) a) (Cd) (Co)	ORP (mV) -41.0 -41.0 -39.4 -39.1 -40.1 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (Itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NC	Ferrous iron (Fe II) nalysis below) WA WA OOO WA O	Comments/ Observations OR □ OR □ OR □



Project Nam	e <u>:</u>	Boeing Ren	ton		Project Numbe	r: (0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	1010		
Sample Num	nber:	RGW173S-	190812		Weather:	SUNNY, WARM			
Landau Repr	resentative:	BXM							
WATER LEV	'EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	10.47	Time:	935	Flow through cel	1 vol.		GW Meter No.(s	s HERON-1
Begin Purge:				End Purge:	_	8/ 12 /2019 @	1002	Gallons Purged:	
Purge water d			55-gal Drum		Storage Tank	Ground		SITE TREATM	
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
		. ,	n of Parame		. ,	dings within the following	. ,	>/= 1 flow	O DOSCI VILLIONIS
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
942	20.7	371.3	1.39	6.56	-43.4		10.48		
945	21.2	383.6	1.20	6.57	-43.3		10.46		
948	21.4	396.1	1.08	6.58	-42.5		10.46		
951	21.7	407.5	1.05	6.60	-42.5	·		· 	-
								. ———	-
954	22.0	428.5	0.65	6.66	-44.9			. ———	
957	22.1	431.7	0.65	6.66	-45.9				
1000	22.1	432.8	0.61	6.65	-46.1				
SAMPLE CO	LLECTION D	OATA							
Sample Collec	cted With:		Bailer	_	Pump/Pump Type	BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(D., M.,		_							
(By Numerica	ıl Order)	Other							
Sample Descr		—	, sheen, etc.):	TAN, CLOU	DY, NO/NS				
Sample Descr	ription (color,	turbidity, odor	· <u>-</u>						
	Temp	turbidity, odor	D.O.	TAN, CLOU	ORP	Turbidity (NTI)	DTW (ft)	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 433.2	D.O. (mg/L)	рН 6.65	ORP (mV)				
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 433.2	D.O. (mg/L)	рН 6.65	ORP (mV)				
Sample Descr Replicate 1 2	Temp (°F/°C) 22.1	Cond. (uS/cm) 433.2 433.6	D.O. (mg/L) 0.61	pH 6.65 6.65	ORP (mV) -46.9				
Replicate 1 2 3	Temp (°F/°C) 22.1 22.2	Cond. (uS/cm) 433.2 433.6 433.9	D.O. (mg/L) 0.61 0.59	pH 6.65 6.65 6.65	ORP (mV) -46.9 -47.5 -47.9				
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.1 22.2 22.2 22.2	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7	D.O. (mg/L) 0.61 0.59 0.60 0.60	pH 6.65 6.65 6.65 6.65 6.65	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7	(NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7	D.O. (mg/L) 0.61 0.59 0.60 0.60	pH 6.65 6.65 6.65 6.65 6.65 CR BOTTLE	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7	(NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM)	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE	6.65 6.65 6.65 6.65 6.65 CR BOTTLE	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX)	#DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.1 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPH	D.O. (mg/L) 0.61 0.59 0.60 0.60 LOWED PP 0) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D) (NWTFH-H-D-L)	6.65 6.65 6.65 6.65 6.65 CR BOTTLE G) (NWTPH	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081)	(NTU) #DIV/0!	on-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD:	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE 0) (NWTPH-H-D) (NWTFH-S) (TSS) (E	6.65 6.65 6.65 6.65 CR BOTTLE G) (NWTPE	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write not (8141) (Oil & Green) (HCO3/CO3) (Cite of the control of the cont	on-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD:	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE 0) (NWTPH-H-D) (NWTPH-H-D	6.65 6.65 6.65 6.65 CR BOTTLE G) (NWTPH PH-Dx) (TPH GOD) (Turbital Kiedahl N	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write not (8141) (Oil & Green (HCO3/CO3) (Cite (Control of the control of	on-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (C5310C) (To de) (WAD Cy	D.O. (mg/L) 0.61 0.59 0.60 0.60 LOWED PF 0) (NWTPH-H-D) (NWTPH-S) (TSS) (Estal PO4) (Total anide) (Free minus)	6.65 6.65 6.65 6.65 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write not (8141) (Oil & Green (HCO3/CO3) (Cite (Control of the control of	on-standard a ease)	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 □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: 0C5310C) (To le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE D) (NWTPH-H-D)	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE O) (NWTPH-H-D) (NWTPH-H-D	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (C5310C) (To de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE O) (NWTPH-H-D) (NWTPH-H-D	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE O) (NWTPH-H-D) (NWTPH-H-D	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE O) (NWTPH-H-D) (NWTPH-H-D	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE O) (NWTPH-H-D) (NWTPH-H-D	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy)) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE 0.0) (NWTPH-H-D) (NWTPH-H	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.1 22.2 22.2 22.2 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 433.2 433.6 433.9 434.2 433.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (CS310C) (To le) (WAD Cy) () (As) (Sb) (etals) (As) (Stig short list) nane Ethene Au	D.O. (mg/L) 0.61 0.59 0.60 0.60 0.60 LOWED PE 0.0) (NWTPH-H-D) (NWTPH-H	6.65 6.65 6.65 6.65 6.65 CR BOTTLE GO) (TUrbital Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -46.9 -47.5 -47.9 -48.4 -47.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write no (8141) (Oil & Gre) (HCO3/CO3) (Ci (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a sase) (i) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	e <u>:</u>	Boeing Ren	ton		Project Number	er <u>:</u> (0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	1230		
Sample Num	nber:	RGW226S-	190812		Weather:	SUNNY, WARM	[
Landau Repr	resentative:	BXM							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	10.08	Time:	1148	Flow through ce	ll vol.		GW Meter No.(s	HERON-1
Begin Purge:	Date/Time:	8/ 12/2019	@ 1156	End Purge:	Date/Time:	8/ 12/2019@	1220	Gallons Purged:	<0.5
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)	pii	(mV)	(NTU)	(ft)	Volume (gal)	Observations
						dings within the foll		>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units		+/- 10%	< 0.3 ft	through cell	
1159	26.2	298.5	1.89	6.65	-30.3		10.09		
1202	26.3	319.8	1.32	6.62	-34.7		10.08		
1205	26.7	332.4	1.04	6.65	-35.5		10.08		
1208	27.1	338.8	1.22	6.70	-37.2				
1211	27.2	342.8	0.84	6.72	-45.2				
1214	27.2	343.6	0.69	6.73	-51.5				
1217	27.0	341.0	0.63	6.72	-52.8				
1217	27.0	341.0	0.03	0.72	-32.6				
SAMPLE CO	LI ECTION D								
Sample Collection			Bailer		Pump/Pump Type	e BLADDER			
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Was		Tap Rinse	DI Water	Dedicated			
(By Numerica		<u> </u>	··· —	rup remse	□ Di Water	Dedicated			
	ı Oraer)	II II Other							
· •		Other turbidity, odor	. sheen. etc.):	CLEAR, CO	LORLESS. NO/N	JS			
		_	, sheen, etc.):	CLEAR, CO	LORLESS, NO/N	NS .			
· •		_	D.O. (mg/L)	CLEAR, CO	ORP (mV)	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)	Cond. (uS/cm) 340.4	D.O. (mg/L)	рН 6.72	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 27.0	Cond. (uS/cm) 340.4 340.0	D.O. (mg/L) 0.62 0.62	pH 6.72 6.72	ORP (mV) -52.8 -52.7	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 27.0 27.0 27.0 26.9	Cond. (uS/cm) 340.4 340.0 339.5	D.O. (mg/L) 0.62 0.62 0.61	pH 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.0 27.0 26.9	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7	D.O. (mg/L) 0.62 0.62 0.61 0.61	pH 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7	D.O. (mg/L) 0.62 0.62 0.61 0.61 0.62 LOWED PE	pH 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.6 -52.7	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM)	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AI (8010) (8020	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE 0) (NWTPH-	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.79 6.70 6.70 6.70 6.70 6.70 6.70 6.70 6.70	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write no	(ft)	nalysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AI (8010) (8020)	D.O. (mg/L) 0.62 0.62 0.61 0.61 0.62 LOWED PE (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D)	6.72 6.72 6.72 6.72 6.72 6.72 6.72 GR BOTTLE G) (NWTPH-	ORP (mV) -52.8 -52.7 -52.6 -52.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write not (8141) (Oil & Green)	on-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE 0) (NWTPH-H-D) (NWTP	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.6 -52.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI	on-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE 0) (NWTPH-I-D) (NWT	6.72 6.72 6.72 6.72 6.72 6.72 6.72 CR BOTTLE G) (NWTPF H-Dx) (TPF HOD) (Turbital Kiedahl N	ORP (mV) -52.8 -52.7 -52.6 -52.7 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI	on-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (NWTPH-I-D) (NWTPH-	6.72 6.72 6.72 6.72 6.72 6.72 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) -52.8 -52.7 -52.6 -52.6 -52.7 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) (CI	on-standard a	nalysis below) WA WA WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOC) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020) AH) (NWTPHetivity) (TDS) (C5310C) (Totale) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (cetals) (As) (Sb)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (To anide) (Free Ba) (Be) (Ca	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI) (NO3/NO2) (Pb) (Mg) (Mn) (Note	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHotivity) (TDS (C5310C) (Total) (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI) (NO3/NO2) (Pb) (Mg) (Mn) (Note	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020) AH) (NWTPHetivity) (TDS) (C5310C) (Totale) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (cetals) (As) (Sb)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI) (NO3/NO2) (Pb) (Mg) (Mn) (Note	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHotivity) (TDS (C5310C) (Total) (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI) (NO3/NO2) (Pb) (Mg) (Mn) (Note	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHotivity) (TDS (C5310C) (Total) (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI) (NO3/NO2) (Pb) (Mg) (Mn) (Note	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHotivity) (TDS (C5310C) (Total) (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree) (HCO3/CO3) (CI) (NO3/NO2) (Pb) (Mg) (Mn) (Note	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHotivity) (TDS (C5310C) (Total) (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 27.0 27.0 27.0 26.9 27.0 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 340.4 340.0 339.5 338.8 339.7 NALYSIS AL (8010) (8020 AH) (NWTPHotivity) (TDS (C5310C) (Total) (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 0.62 0.61 0.61 0.62 LOWED PE (MYTPH-ID) (NWTPH-ID) (NWTPH-I	6.72 6.72 6.72 6.72 6.72 6.72 6.72 6.72	ORP (mV) -52.8 -52.7 -52.7 -52.6 -52.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write not (8141) (Oil & Gree (NO3/NO2) (Pb) (Mg) (Mn) (N	on-standard a case) I) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	851		
Sample Nun	nber:	RGW232S-	190812		Weather:	CLEAR SUNNY	<u> </u>		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	RGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	8.93	Time:	820	Flow through ce	ll vol.		GW Meter No.(SLOPE 10
Begin Purge:	Date/Time:	8/ 12 /2019	820	End Purge:	Date/Time:	8/ 12 /2019 @	833	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 Durge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	рп	(mV)	(NTU)	(ft)	Internal Purge Volume (gal)	Observations
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
823	18.3	523	5.69	6.23	-77.1	LOW	9.45		-
826	18.5	537	10.72	6.28	-87.4		9.5		
829	19.6	552	10.99	6.32	-91.7		9.6		
832	19.8	553	11.11	6.33	-94.4				
							-		
									-
-	• (<u> </u>								
SAMPLE CO	LLECTION D	ATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	DED BLADDER		_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	101)	—							
y manienca	il Order)	Other							
			, sheen, etc.):	CLEAR CO	LORLESS NO/NS	S			
Sample Descr	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·						
	ription (color,	curbidity, odor	D.O.	CLEAR COI	ORP	Turbidity	DTW (ft)	Ferrous iron	Comments/
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.33	ORP (mV)	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.33	ORP (mV)	Turbidity (NTU)			
Replicate 1 2	Temp (°F/°C) 19.8	Cond. (uS/cm) 552	D.O. (mg/L) 11.03	рН 6.33 6.33	ORP (mV) -95.2	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 19.8 19.9	Cond. (uS/cm) 552 552 552	D.O. (mg/L) 11.03 11.04	pH 6.33 6.33 6.33	ORP (mV) -95.2 -95.6	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.9 19.9 19.8	Cond. (uS/cm) 552 552 552 552	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04	6.33 6.33 6.33 6.33 6.33	ORP (mV) -95.2 -95.6 -95.8 -96.0	Turbidity (NTU) LOW #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.9 19.9 19.8 19.9	Cond. (uS/cm) 552 552 552 552 NALYSIS AI	D.O. (mg/L) 11.03 11.04 11.05 11.04 LLOWED PE	6.33 6.33 6.33 6.33 6.33 6.33	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM)	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020	D.O. (mg/L) 11.03 11.04 11.05 11.04 LOWED PE	6.33 6.33 6.33 6.33 6.33 CR BOTTLE G) (NWTPI	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a) H-Gx) (BTEX)	Turbidity (NTU) LOW #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPH	D.O. (mg/L) 11.03 11.04 11.05 11.04 LOWED PF D) (NWTPH-H-D) (NWTF	6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.39	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) LOW #DIV/0!	non-standard a	(Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD)	D.O. (mg/L) 11.03 11.04 11.05 11.04 LOWED PE D) (NWTPH-H-D) (NWTFH-S) (TSS) (E	6.33 6.33 6.33 6.33 6.33 6.33 6.39 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) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to (8141) (Oil & Grant) (HCO3/CO3) (MCO3/CO3)	non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.9 19.8 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD)	D.O. (mg/L) 11.03 11.04 11.05 11.05 11.04 LOWED PE D) (NWTPH-H-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 CR BOTTLE G) (NWTPH PH-Dx) (TPH BOD) (Turbital Kiedahl N	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to (8141) (Oil & Grant) (HCO3/CO3) (MCO3/CO3)	non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.9 19.9 19.9 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction) (Total Cyanide)	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 11.03 11.04 11.05 11.04 LLOWED PE D) (NWTPH-H-D) (NWTPH-S) (TSS) (Estal PO4) (To ranide) (Free	6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE G) (NWTPI PH-Dx) (TPF BOD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write to (8141) (Oil & Grant) (HCO3/CO3) (MCO3/CO3)	non-standard a	malysis below) WA WA WA O NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction (COD) (Total Cyanida (Total Metals) (Dissolved Metals)	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To e) (WAD Cy () (As) (Sb) (etals) (As) (St)	D.O. (mg/L) 11.03 11.04 11.05 11.04 LLOWED PE D) (NWTPH-H-D)	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF GOD) (Turbi ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To (e) (WAD Cy (detals) (As) (Sb) (detals) (As) (Sb) (gent list)	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF GOD) (Turbi ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To e) (WAD Cy () (As) (Sb) (etals) (As) (St)	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF GOD) (Turbi ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To (e) (WAD Cy (detals) (As) (Sb) (detals) (As) (Sb) (gent list)	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF GOD) (Turbi ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To (e) (WAD Cy (detals) (As) (Sb) (detals) (As) (Sb) (gent list)	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF COD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetrivity) (TDS (25310C) (To (e) (WAD Cy (detals) (As) (Sb) (detals) (As) (Sb) (gent list)	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF COD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 552 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetrivity) (TDS (25310C) (To (e) (WAD Cy (detals) (As) (Sb) (detals) (As) (Sb) (gent list)	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPF COD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC	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) 19.8 19.9 19.9 19.8 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 552 552 552 552 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD) (25310C) (To e) (WAD Cy o) (As) (Sb) (etals) (As) (Sb g short list) cane Ethene Ac	D.O. (mg/L) 11.03 11.04 11.03 11.05 11.04 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (NWTPH-H	pH 6.33 6.33 6.33 6.33 6.33 CR BOTTLE G) (NWTPI PH-Dx) (TPF PH-Dx) (TPF PH-Dx) (Turbi ttal Kiedahl N Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -95.2 -95.6 -95.8 -96.0 -95.7 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grid (NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) Cl) (SO4) (NC Ni) (Ag) (Se) (Tl) (V	(Fe II)	Observations OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12 /2019@	931		
Sample Nun	nber:	RGW233I-	190812		Weather:	CLEAR SUNNY	Y		
Landau Rep	resentative:	SRB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	8.52	Time:	855	Flow through ce	ll vol.		GW Meter No.(s SLOPE 10
	Date/Time:			End Purge:	-	8/ 12 /2019 @	920	Gallons Purged:	0.25
Purge water of			55-gal Drum	Ĭ.	Storage Tank	Ground		SITE TREATM	
Ü						T1:1:4	_		
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	ls: Stablizatio	n of Parame		consecutive rea	dings within the fo	ollowing limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
903	18.6	200.6	3.57	6.35	6.8	LOW	8.53		
906	18.8	201.0	4.22	6.33	5.6		8.53		
909	19.7	204.3	4.92	6.32	2.4		8.53		
912	20.1	206.7	4.95	6.35	-2.8				
915		208.1	4.91	6.37	-5.6				
918	20.4	209.6	4.81	6.40	-12.2				
		·							
	LLECTION D								
Sample Colle	cted With:	. —	Bailer	_		DED BLADDER		_	
Made of:	Щ	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	U Other	Dedicated	
Decon Procee	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
-	ii Oraer)								
		_	, sheen, etc.):	CLEAR COL	LORLESS NO/NS	3			
Sample Descri	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·				DTW	Formous iron	Commental
· -		_	D.O. (mg/L)	CLEAR COI	ORP (mV)	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			
Sample Describeration Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH 6.41	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 20.5	Cond. (uS/cm) 210.0	D.O. (mg/L) 4.82 4.76	pH 6.41 6.42	ORP (mV) -13.1 -13.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 20.5 20.5	Cond. (uS/cm) 210.0 210.2 210.3	D.O. (mg/L) 4.82 4.76 4.73	pH 6.41 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9	Turbidity			
Replicate 1 2	Temp (°F/°C) 20.5	Cond. (uS/cm) 210.0	D.O. (mg/L) 4.82 4.76	pH 6.41 6.42	ORP (mV) -13.1 -13.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 20.5 20.5	Cond. (uS/cm) 210.0 210.2 210.3	D.O. (mg/L) 4.82 4.76 4.73	pH 6.41 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76	6.41 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.6 20.5	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3	D.O. (mg/L) 4.82 4.76 4.72 4.76 LOWED PE	6.41 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM)	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE	6.41 6.42 6.42 6.42 6.42 6.42 CR BOTTLE	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD:	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE () (NWTPH-H-D) (NWTF	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.42 CR BOTTLE G) (NWTPI PH-Dx) (TPF BOD) (Turbi	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gill) (HCO3/CO3) (MCO3/CO3)	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.6 20.5 20.6 20.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction) (COD) (TOO	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPH uctivity) (TD: C5310C) (To	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE O) (NWTPH-H-D) (NWTPH-H-D	6.41 6.42 6.42 6.42 6.42 6.42 CR BOTTLE G) (NWTPH PH-Dx) (TPH BOD) (Turbi ttal Kiedahl N	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gill) (HCO3/CO3) (MCO3/CO3)	(ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOO (Total Cyanic	Cond. (uS/cm) 210.0 210.2 210.3 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS) (C5310C) (To de) (WAD Cy	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE (NWTPH-D) (NW	6.41 6.42 6.42 6.42 6.42 6.42 CR BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi stal Kiedahl N Cyanide)	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G.) (HCO3/CO3) (0) (NO3/NO2)	non-standard a	nalysis below) WA WA WA O WA O WA O WA O WA WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals)	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: C5310C) (To de) (WAD Cy) (As) (Sb) (D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE (1) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Toward) (Toward) (Toward) (Free Ba) (Be) (Called Ba) (Be) (Called Ba) (Called Ba) (Called Ba) (Called Ba) (Called Ba)	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanical Metals) (Dissolved M	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPFlectivity) (TDS (CS310C) (To de) (WAD Cy) (As) (Sb) (fetals) (As) (St)	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE (1) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Toward) (Toward) (Toward) (Free Ba) (Be) (Called Ba) (Be) (Called Ba) (Called Ba) (Called Ba) (Called Ba) (Called Ba)	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (P/(pH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPFlectivity) (TDS (CS310C) (To de) (WAD Cy) (As) (Sb) (fetals) (As) (St)	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE O) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (P/(pH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (C5310C) (To: (de) (WAD Cy:) (As) (Sb) (Set ag short list)	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE O) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (P/(pH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (C5310C) (To: (de) (WAD Cy)) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE O) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (P/(pH) (Conduction (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (C5310C) (To: (de) (WAD Cy)) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE O) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Todal Cyanical	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (C5310C) (To: (de) (WAD Cy)) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE O) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D	6.41 6.42 6.42 6.42 6.42 6.42 6.42 6.7 6.42 6.42 6.42 6.42 6.42 6.42 6.42 6.42	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G:) (HCO3/CO3) (((NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate San	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPF (activity) (TD) (C5310C) (To (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (ag short list) (hane Ethene Activity)	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (pH 6.41 6.42 6.42 6.42 6.42 CR BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi stal Kiedahl N Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe) (Cr) (Cu) (Fe) (F	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gront (Oil (Oil (Oil (Oil (Oil (Oil (Oil (Oil	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 210.0 210.2 210.3 210.8 210.3 NALYSIS AI (8010) (8020 AH) (NWTPF (activity) (TD) (C5310C) (To (de) (WAD Cy (de) (As) (Sb) ((etals) (As) (Sb) (ag short list) (hane Ethene Activity)	D.O. (mg/L) 4.82 4.76 4.73 4.72 4.76 LOWED PE (MYTPH-H-D) (NWTPH-H-D) (pH 6.41 6.42 6.42 6.42 6.42 CR BOTTLE G) (NWTPI PH-Dx) (TPI BOD) (Turbi stal Kiedahl N Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) -13.1 -13.3 -14.9 -15.3 -14.2 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write: (8141) (Oil & G. (NO3/NO2) (Pb) (Mg) (Mn) (Ni) b) (Mg) (Mn) (Ni)	non-standard a rease) Cl) (SO4) (NO	(Fe II) malysis below) WA	Observations OR □ OR □ OR □



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	1027		
Sample Nun	nber:	RGW234S-	190812		Weather:	MOSTLY CLO	UDY		
Landau Rep	resentative:	JAN							
WATER LEV	/EL/WELL/PU	RGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:			
DTW Before	Purging (ft)	9.02	Time:	940	Flow through ce	l vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/ 12/2019 @	1000	End Purge:	Date/Time:	8/ 12/2019 @	1020	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
	-					dings within the fo	-	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1003	20.6	236.7	2.59	6.00	2.6		9.02		
1006	21.6	238.7	3.72	6.05	0.1		9.02		
1009	22.1	246.6	4.75	6.14	-17.6		9.02		
1012	22.6	260.9	5.13	6.18	-25.9				
1015	22.9	269.9	5.54	6.23	-26.0				
1018		273.6	5.60	6.26	24.7				
1010		273.0	3.00	0.20	24.7				
CANDI E CO	T L ECTION D								
Sample College	oted With		Bailer		Pump/Pump Type	. DI ADDED			
Made of:	cted with.	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
	<u> </u>		_				U Other	Dedicated	
Decon Proced (By Numerical		Alconox Was	sn 📋	Tap Rinse	DI Water	Dedicated			
(by Numerica									
Comple Decor		₩.	shoon ata)ı	NO COL OB	LOW TUDD NO	O/NIC			
Sample Descr		₩.	, sheen, etc.):	NO COLOR	, LOW TURB, NO	D/NS.			
Sample Descr Replicate		₩.	D.O. (mg/L)	NO COLOR	, LOW TURB, NO	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 1 2	Temp (°F/°C) 23.4 23.5	Cond. (uS/cm) 273.9	D.O. (mg/L) 5.62	pH 6.26 6.27	ORP (mV) -23.7 -24.4	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.4 23.5 23.5	Cond. (uS/cm) 273.9 274.2	D.O. (mg/L) 5.62 5.63	pH 6.26 6.27 6.27	ORP (mV) -23.7 -24.4 -25.3	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 23.4 23.5 23.6	Cond. (uS/cm) 273.9 274.2 274.5 274.6	D.O. (mg/L) 5.62 5.63 5.66 5.64	pH 6.26 6.27 6.27 6.26	ORP (mV) -23.7 -24.4 -25.3 -24.5	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 23.4 23.5 23.5	Cond. (uS/cm) 273.9 274.2	D.O. (mg/L) 5.62 5.63	pH 6.26 6.27 6.27	ORP (mV) -23.7 -24.4 -25.3	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.5 23.5 23.6 23.5	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3	D.O. (mg/L) 5.62 5.63 5.66 5.64 5.64	6.26 6.27 6.26 6.26 6.27 6.26 6.27	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM)	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020	D.O. (mg/L) 5.62 5.63 5.66 5.64 5.64 LOWED PE	6.26 6.27 6.26 6.26 6.27 6.26 6.27 G.27 G.20 G.20 G.20 G.20 G.20 G.20 G.20 G.20	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle a) H-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPE	D.O. (mg/L) 5.62 5.63 5.66 5.64 5.64 LOWED PP D) (NWTPH-I-D) (NWTP	6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	(Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 5.62 5.63 5.66 5.64 5.64 LOWED PE D) (NWTPH-H-D) (NWTF	6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI PH-Dx) (TPR OD) (Turbi	ORP (mV) -23.7 -24.4 -25.3 -24.5 -24.5 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.4 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	5.62 5.63 5.66 5.64 5.64 LOWED PE (I) (NWTPH-II-D) (NWTPH	6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI PH-Dx) (TPI GOD) (Turbi ttal Kiedahl N	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a	(Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOO (Total Cyanid	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	5.62 5.63 5.66 5.64 5.64 LOWED PF (NWTPH-D) (N	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI PH-Dx) (TPF BOD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPF- lectivity) (TDS (25310C) (Tot e) (WAD Cy e) (As) (Sb) (D.O. (mg/L) 5.62 5.63 5.66 5.64 5.64 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-D) (NWTP	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI GOD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS C5310C) (Tot e) (WAD Cy c) (As) (Sb) (Cetals) (As) (Sb) (Setals)	D.O. (mg/L) 5.62 5.63 5.66 5.64 5.64 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-D) (NWTP	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI GOD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	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) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS C5310C) (Tot e) (WAD Cy c) (As) (Sb) (Cetals) (As) (Sb) (Setals)	5.62 5.63 5.66 5.64 5.64 5.09 (NWTPH-I-D)	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI GOD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	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) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	5.62 5.63 5.66 5.64 5.64 5.09 (NWTPH-I-D)	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI GOD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	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) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	5.62 5.63 5.66 5.64 5.64 5.09 (NWTPH-I-D)	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI COD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	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) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	5.62 5.63 5.66 5.64 5.64 5.09 (NWTPH-I-D)	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI COD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	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) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Todal Cyanida (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	5.62 5.63 5.66 5.64 5.64 5.09 (NWTPH-I-D)	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI COD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	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) 23.4 23.5 23.5 23.6 23.5 TYPICAL A (8260-SIM) (8270D) (PA (COD) (Todal Cyanida (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 273.9 274.2 274.5 274.6 274.3 NALYSIS AL (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Total) (e) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	5.62 5.63 5.66 5.64 5.64 5.09 (NWTPH-I-D)	6.26 6.27 6.26 6.27 6.26 6.27 6.26 6.27 CR BOTTLE G) (NWTPI CH-Dx) (TPI COD) (Turbi stal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -23.7 -24.4 -25.3 -24.5 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NC	nalysis below) WA WA OB ON	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e <u>:</u>	Boeing Ren	ton		Project Numbe	<u>r:</u>	0025217.099.0	99	
Event:	-	Quarterly A	ugust 2019		Date/Time:	8/12/19 @	954		
Sample Num	nber:	RGW235I-	190812		Weather:	MOSTLY CLOU	JDY		
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	IRGE DATA							
Well Condition	n:	Secure (YES)	Damaged (N	O)	Describe:			
DTW Before l	Purging (ft)	14.79	Time:	925	Flow through cel	l vol.		GW Meter No.(s	s 3
Begin Purge:			927	End Purge:	_	8/ 12/2019 @	948	Gallons Purged:	1
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	T	C 1	D.O.	17	ODD	T1: 1!4	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
						dings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
930	20.8	162.9	0.22	6.63	-89.6		14.79		
933	21.2	165.5	0.19	6.63	-94.4		14.79		
936	21.5	166.4	0.24	6.64	-93.4		14.79		
939	21.9	166.8	0.26	6.60	-90.3				
942	22.1	166.9	0.67	6.53	-79.9				
945	22.4	166.6	1.06	6.49	-73.6				
947	22.6	167.1	1.49	6.47	-72.2				
SAMPLE CO									
Sample Collec	cted With:	_	Bailer	_	Pump/Pump Type	_		_	
Made of:		Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	1 () 1)	O41							
		Other							
		—	, sheen, etc.):	SLIGHT TA	N, LOW TURB, I	NO/NS.			
Sample Descr	iption (color,	turbidity, odor					DTW	Farrous iron	Comments
		—	D.O. (mg/L)	SLIGHT TA	N, LOW TURB, I	NO/NS. Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O. (mg/L)	pН	ORP	Turbidity			
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.47	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 22.7	Cond. (uS/cm) 167.2	D.O. (mg/L) 1.58 1.64	pH 6.47 6.47	ORP (mV) -71.8 -73.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 22.7 22.7	Cond. (uS/cm) 167.2 167.2 167.3	D.O. (mg/L) 1.58 1.64	pH 6.47 6.47 6.47	ORP (mV) -71.8 -73.9 -73.8	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 22.7	Cond. (uS/cm) 167.2	D.O. (mg/L) 1.58 1.64	pH 6.47 6.47	ORP (mV) -71.8 -73.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 22.7 22.7	Cond. (uS/cm) 167.2 167.2 167.3	D.O. (mg/L) 1.58 1.64	pH 6.47 6.47 6.47	ORP (mV) -71.8 -73.9 -73.8	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.7 22.8 22.7	Cond. (uS/cm) 167.2 167.3 167.4 167.3	D.O. (mg/L) 1.58 1.64 1.69 1.76	6.47 6.47 6.47 6.47 6.47	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3	Turbidity (NTU)	(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) 167.2 167.3 167.4 167.3	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67	pH 6.47 6.47 6.47 6.47 6.47 6.47	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle ap	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE	6.47 6.47 6.47 6.47 6.47 6.47 6.47 6.49 6.47 6.49 6.49 6.40 6.40	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	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) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE ()) (NWTPH-H-D) (NWTP	6.47 6.47 6.47 6.47 6.47 6.47 6.47 6.H-Dx) (TPF	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! (8141) (Oil & Gro) (HCO3/CO3) (Gro)	(ft)	nalysis below) WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.7 22.8 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TDS) C5310C) (To	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE 1.0) (NWTPH-H-D) (NWTPH-H	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 CR BOTTLE G) (NWTPI CH-Dx) (TPI GOD) (Turbi ttal Kiedahl N	ORP (mV) -71.8 -73.9 -73.7 -73.3 TYPE (Circle application of the company of	#DIV/0! (8141) (Oil & Gro) (HCO3/CO3) (Gro)	(ft)	nalysis below) WA WA	Observations 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	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE (NWTPH-D) (NW	6.47 6.47 6.47 6.47 6.47 6.47 CR BOTTLE G) (NWTPI PH-Dx) (TPPI GOD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write in the interval of the in	non-standard a	nalysis below) WA WA WA O WA O WA O WA WA	Observations 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) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D)	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (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) (Conduction) (Total Cyanida (Total Metals) (Dissolved M	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Totale) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D)	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ 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) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS) (25310C) (Totale) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (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 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHotivity) (TDS) (25310C) (Total) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (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 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHotivity) (TDS) (25310C) (Total) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (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 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHotivity) (TDS) (25310C) (Total) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (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 (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHotivity) (TDS) (25310C) (Total) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate San	Temp (°F/°C) 22.7 22.7 22.8 22.7 TYPICAL A (8260-SIM) (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHotivity) (TDS) (25310C) (Total) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (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 (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 167.2 167.2 167.3 167.4 167.3 NALYSIS AI (8010) (8020 AH) (NWTPHotivity) (TDS) (25310C) (Total) (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.58 1.64 1.69 1.76 1.67 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D	6.47 6.47 6.47 6.47 6.47 6.47 6.17 6.47 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.1	ORP (mV) -71.8 -73.9 -73.8 -73.7 -73.3 TYPE (Circle and H-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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR □ OR □ OR □



Project Nam	e <u>:</u>	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		Quarterly A	ugust 2019		Date/Time:	8/ 12/2019@	914		
Sample Num	nber:	RGW236S-	190812		Weather:	MOSTLY CLOU	UDY		
Landau Repr	resentative:	JAN							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:			
DTW Before	Purging (ft)	8.26	Time:	844	Flow through cel	l vol.		GW Meter No.(s 3
Begin Purge:	Date/Time:	8/ 12/2019 @	847	End Purge:	Date/Time:	8/12/2019 @	908	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)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablization +/- 3%		ters for three +/- 0.1 units		dings within the fo +/- 10%	ollowing limits < 0.3 ft	>/= 1 flow through cell	
950						+/- 10 /b		un ough cen	
850	19.9	377.1	2.82	6.52	-28.9		8.35		
853	20.2	380.9	2.63	6.52	-36.4		8.31		
856	20.4	383.0	2.22	6.52	-34.7		8.29		
859	20.7	384.8	2.44	6.53	-34.8				
902	20.8	387.2	3.55	6.53	-35.4				AIR BUBBLE?
905	21.0	391.5	4.38	6.54	-40.0				
907	21.2	395.2	4.62	6.54	-41.8				
701	21.2	373.2	1.02	0.5 1	11.0				
SAMPLE CO	LLECTION D	ATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	<u>—</u>	_	
(By Numerica		Other		.1					
	i Oruer)	II II Othici							
· •			, sheen, etc.):	YELLOW/L	IGHT ORANGE,	LOW-MED TURB	, NO/NS.		
			, sheen, etc.):	YELLOW/L	IGHT ORANGE,	LOW-MED TURB	, NO/NS.		
			D.O. (mg/L)	YELLOW/L	ORP (mV)	LOW-MED TURB Turbidity (NTU)	, NO/NS. 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)	pН	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 21.2	Cond. (uS/cm) 395.2	D.O. (mg/L) 4.65	pH 6.54 6.54	ORP (mV) -42.0 -42.2	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 21.2 21.2 21.2	Cond. (uS/cm) 395.2 395.1	D.O. (mg/L) 4.65 4.68	pH 6.54 6.54 6.54	ORP (mV) -42.0 -42.2 -42.6	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 21.2 21.2 21.2 21.2	Cond. (uS/cm) 395.2 395.1 395.0 394.9	D.O. (mg/L) 4.65 4.68 4.71 4.73	pH 6.54 6.54 6.54 6.54	ORP (mV) -42.0 -42.2 -42.6 -43.0	Turbidity (NTU)	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2	Cond. (uS/cm) 395.2 395.1 394.9 395.1	D.O. (mg/L) 4.65 4.68 4.71 4.73	pH 6.54 6.54 6.54 6.54 6.54	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69	pH 6.54 6.54 6.54 6.54 6.54 6.54	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM)	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE	6.54 6.54 6.54 6.54 6.54 6.54 CR BOTTLE G) (NWTPI	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 TYPE (Circle all-Gx) (BTEX)	#DIV/0!	DTW (ft)	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE () (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 CR BOTTLE G) (NWTPH-DA) (TPH-DA) (TPH-DA)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft)	(Fe II) malysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM) (8270D) (PA(pH) (Condu	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.54 6.7 6.54 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft)	(Fe II) malysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM) (8270D) (PA(PH) (Conduction)	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.54 CR BOTTLE G) (NWTPP H-Dx) (TPP H-Dx) (Turbi tal Kiedahl N	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft)	(Fe II) malysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM) (8270D) (PA(DH) (Conduction (COD) (Too	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) non-standard a rease) CI) (SO4) (NO	malysis below) WA WA O WA O WA O WA O WA O WA O WA	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Total	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy () (As) (Sb) (detals) (As) (Sb) (detals) (As) (Sb)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy () (As) (Sb) (detals) (As) (Sb) (detals) (As) (Sb)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR □ OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) 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 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) 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 3	Temp (°F/°C) 21.2 21.2 21.2 21.2 21.2 21.2 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 395.2 395.1 395.0 394.9 395.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) g short list)	D.O. (mg/L) 4.65 4.68 4.71 4.73 4.69 LOWED PE D) (NWTPH-I-D) (NWTP	6.54 6.54 6.54 6.54 6.54 6.59 CR BOTTLE G) (NWTPI H-Dx) (TPF OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) -42.0 -42.2 -42.6 -43.0 -42.5 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	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR

wood.

Appendix C



Memo

To: Project: 0088880100.2019 John Long, Project Manager

Project File From: Crystal Thimsen c:

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: October 7, 2019

Subject: Summary Data Quality Review

August 2019 Boeing Renton Groundwater Sampling

SWMU-168

ARI Work Order Number: 19H0184

This memo presents the summary data quality review of three primary groundwater samples and one trip blank sample collected on August 12, 2019. 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 8260C with selected ion monitoring.

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW229S-190812	19H0184-01	vinyl chloride
RGW230I-190812	19H0184-02	vinyl chloride
RGW231S-190812	19H0184-03	vinyl chloride
Trip Blank	18H0184-04	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 13, 2019. 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
- 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 19H0184 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
RGW229S-190812	none
RGW230I-190812	none
RGW231S-190812	none
Trip Blank	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.



Memo

Fax:

To: John Long, Project Manager

From: Crystal Thimsen Tel: (206) 342-1760

Date: September 30, 2019

Subject: Summary Data Quality Review

(206) 342-1761

August 2019 Boeing Renton Groundwater Sampling

SWMU-172/174

ARI Work Order Number: 19H0180

This memo presents the summary data quality review of 11 primary groundwater samples, one groundwater field duplicate, and one trip blank sample collected on August 12, 2019. 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:

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- Volatile organic compounds (VOCs) (cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride) by U.S. Environmental Protection Agency (EPA) Method 8260C with selected ion monitoring;
- Total organic carbon (TOC) by Standard Method (SM) 5310 B-00; 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-190812	19H0180-01	all
RGW081S-190812	19H0180-02	all
RGW236S-190812	19H0180-03	all
RGW233I-190812	19H0180-04	all
RGW173S-190812	19H0180-05	all
RGW235I-190812	19H0180-06	all
RGW234S-190812	19H0180-07	all
RGW172S-190812	19H0180-08	all
RGW153S-190812	19H0180-09	all
RGW152S-190812	19H0180-10	all
RGW226S-190812	19H0180-11	all
RGWDUP1-190812	19H0180-12	all
Trip Blank	19H0180-13	VOCs

Memo September 30, 2019 Page 2 of 4

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 13, 2019. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius (°C).

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. 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 (µg/L)	Duplicate Result (μg/L)	Reporting Limit (µg/L)	RPD (%)
	vinyl chloride	0.0705	0.0470	0.020	40
RGW152-190812/	cis-1,2-dichloroethene	0.627	0.563	0.020	11
RGWDUP1-190812	trichloroethene	0.203	0.147	0.020	32
	tetrachloroethene	0.176	0.177	0.020	<1

Notes

μg/L = micrograms per liter 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
- 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 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 the control limits.

Sample ID/ Field Duplicate ID	Analyte	Primary Result	Duplicate Result	Reporting Limit	Units	RPD (%)
	ТОС	10.96	10.37	0.5	mg/L	6
RGW152-190812/	total arsenic	23.4	19.2	1.0	μg/L	20
RGWDUP1-190812	total copper	21.8	19.2	2.5	μg/L	13
	total lead	14.8	11.7	0.5	μg/L	23

Notes

µg/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 ARI work order number 19H0180 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	Qualified Result	Units	Qualifier Reason
RGW232S-190812	none	NA	NA	NA
RGW081S-190812	none	NA	NA	NA
RGW236S-190812	none	NA	NA	NA

Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
RGW233I-190812	none	NA	NA	NA
RGW173S-190812	none	NA	NA	NA
RGW235I-190812	none	NA	NA	NA
RGW234S-190812	none	NA	NA	NA
RGW172S-190812	none	NA	NA	NA
RGW153S-190812	none	NA	NA	NA
RGW152S-190812	vinyl chloride trichloroethene	70.5 J 203 J	ng/L	field duplicate RPD
RGW226S-190812	none	NA	NA	NA
RGWDUP1-190812	vinyl chloride trichloroethene	47.0 J 147 J	ng/L	field duplicate RPD
Trip Blank	none	NA	NA	NA

Notes

NA = not applicable

ng/L = nanograms per liter

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 Contract Laboratory Program 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: John Long, Project Manager

From: Crystal Thimsen

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: October 7, 2019

Subject: Summary Data Quality Review

August 2019 Boeing Renton Groundwater Sampling

Building 4-78/79 SWMU/AOC Group ARI Work Order Number: 19H0223

This memo presents the summary data quality review of 16 primary groundwater samples, one field duplicate groundwater sample, and two trip blank samples collected on August 13, 2019. 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:

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

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW210S-190813	19H0223-01	all
RGW241S-190813	19H0223-02	VOCs and TPH-G
RGW242I-190813	19H0223-03	VOCs and TPH-G
RGW031S-190813	19H0223-04	all
RGW143S-190813	19H0223-05	all
RGW240D-190813	19H0223-06	all
RGW244S-190813	19H0223-07	all
RGW239I-190813	19H0223-08	all
RGW033S-190813	19H0223-09	all
RGW034S-190813	19H0223-10	all
RGW039S-190813	19H0223-11	all
RGW038S-190813	19H0223-12	all
RGW243I-190813	19H0223-13	all

Sample ID	Laboratory Sample ID	Requested Analyses
RGW238I-190813	19H0223-14	all
RGW237S-190813	19H0223-15	all
RGW209S-190813	19H0223-16	all
Trip Blank	19H0223-17	VOCs and TPH-G
RGWDUP2-190813	19H0223-18	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, 2014a and b).

ARI received the samples on August 14, 2019. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius (°C).

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
- 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 (μg/L)	Duplicate Result (μg/L)	Reporting Limit (µg/L)	RPD (%)
RGW031S-190813/ RGWDUP2-190813	vinyl chloride	0.21	0.22	0.20	NC
	cis-1,2-dichloroethene	0.47	0.48	0.20	NC
	benzene	3.47	4.37	0.20	23
	TPH-G	1,390	1,200	100	15

Abbreviations

μg/L = micrograms per liter

RPD = relative percent difference

TPH-G = total petroleum hydrocarbons as gasoline

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 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/ Field Duplicate ID	Analyte	Primary Result (mg/L)	Duplicate Result (mg/L)	Reporting Limit (mg/L)	RPD (%)
RGW031S-190813/ RGWDUP2-190813	TOC	15.31	15.02	5.00	2

Abbreviations

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 ARI work order number 19H0223 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.

Sample ID	Qualified Analyte
RGW210S-190813	none
RGW241S-190813	none
RGW242I-190813	none
RGW031S-190813	none
RGW143S-190813	none
RGW240D-190813	none
RGW244S-190813	none
RGW239I-190813	none
RGW033S-190813	none
RGW034S-190813	none
RGW039S-190813	none
RGW038S-190813	none
RGW243I-190813	none
RGW238I-190813	none
RGW237S-190813	none
RGW209S-190813	none
Trip Blank	none
RGWDUP2-190813	none
Trip Blank	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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Memo

From:

To: John Long, Project Manager

Crystal Thimsen

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: October 11, 2019

Subject: Summary Data Quality Review

August 2019 Boeing Renton Groundwater Sampling

AOC-001 and -002 and AOC-003 ARI Work Order Number: 19H0232

This memo presents the summary data quality review of 15 primary groundwater samples, one field duplicate, and one trip blank sample collected on August 14, 2019. 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 from AOC-001 and -002 were analyzed for the following:

 Volatile organic compounds (VOCs) (benzene only reported) by U.S. Environmental Protection Agency (EPA) Method 8260C;

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- VOCs (vinyl chloride, 1,1-dichloroethene, trichloroethene, and cis-1,2-dichloroethene) by EPA Method 8260C with selected ion monitoring (SIM); and
- Total organic carbon (TOC) by Standard Method (SM) 5310C.

Samples from AOC-003 were analyzed for the following:

- VOCs (cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride) by EPA Method 8260C SIM; and
- TOC by SM 5310 B-00.

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW185S-190814	19H0232-01	all AOC-001 and -002 analyses
RGW197S-190814	19H0232-02	all AOC-001 and -002 analyses
RGW193S-190814	19H0232-03	all AOC-001 and -002 analyses
RGW191D-190814	19H0232-04	all AOC-001 and -002 analyses
RGW245S-190814	19H0232-05	all AOC-001 and -002 analyses
RGW192S-190814	19H0232-06	all AOC-001 and -002 analyses
RGW195S-190814	19H0232-07	all AOC-001 and -002 analyses

Sample ID	Laboratory Sample ID	Requested Analyses
RGW196D-190814	19H0232-08	all AOC-001 and -002 analyses
RGW190S-190814	19H0232-09	all AOC-001 and -002 analyses
RGW246S-190814	19H0232-10	all AOC-001 and -002 analyses
RGW194S-190814	19H0232-11	all AOC-001 and -002 analyses
RGW249S-190814	19H0232-12	all AOC-001 and -002 analyses
RGW188S-190814	19H0232-13	all AOC-003 analyses
RGW247S-190814	19H0232-14	all AOC-003 analyses
RGW248I-190814	19H0232-15	all AOC-003 analyses
Trip Blank	19H0232-16	VOCs
RGWDUP3-190814	19H0232-17	all AOC-003 analyses

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 15, 2019. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius (°C). The laboratory noted an air bubble in one vial received for the following samples: RGW245S-190814, RGW195S-190814, RGW196D-190814, RGW188S-190814, and RGW248I-190814. The laboratory proceeded with analyses using unaffected vials. Sample results were not qualified.

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 (%)
RGW185S-190814/	vinyl chloride	193	203	20.0	5
RGWDUP3-190814	cis-1,2-dichloroethene	222	240	20.0	8

Abbreviations

ng/L = nanograms per liter

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:

- 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 (%)
RGW185S-190814/ RGWDUP3-190814	TOC	12.55	12.72	0.50	1

Abbreviations

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 ARI work order number 19H0232 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
RGW185S-190814	none
RGW197S-190814	none
RGW193S-190814	none
RGW191D-190814	none
RGW245S-190814	none
RGW192S-190814	none
RGW195S-190814	none
RGW196D-190814	none
RGW190S-190814	none
RGW246S-190814	none
RGW194S-190814	none
RGW249S-190814	none
RGW188S-190814	none
RGW247S-190814	none
RGW248I-190814	none
Trip Blank	none
RGWDUP3-190814	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.



Memo

To: John Long, Project Manager Project: 0088880100.2019

From: Crystal Thimsen c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: November 1, 2019

Subject: Summary Data Quality Review

August 2019 Boeing Renton Groundwater Sampling

AOC-004

ARI Work Order Number: 19H0231

This memo presents the summary data quality review of two primary groundwater samples collected on August 14, 2019. 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 total lead by U.S. Environmental Protection Agency (EPA) Method 6020A.

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW250S-190814	19H0231-01	total lead
RGW174S-190814	19H0231-02	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 OAPP were used.

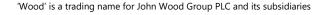
Holding times, method/trip blanks, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD), matrix spike/matrix spike duplicates (MS/MSD), field duplicates, and reporting limits were reviewed where available to assess compliance with applicable methods. If qualification was required, 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 15, 2019. 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 was not submitted for MS/MSD analyses 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 19H0231 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-190814	none
RGW174S-190814	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.

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Memo

To: John Long, Project Manager

From: Crystal Thimsen

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: October 7, 2019

Subject: Summary Data Quality Review

August 2019 Boeing Renton Groundwater Sampling

AOC-060

ARI Work Order Numbers: 19H0206 and 19H0230

This memo presents the summary data quality review of nine primary groundwater samples, one field duplicate, and two trip blank samples collected on August 13 and 14, 2019. 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:

Project:

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• Volatile organic compounds (VOCs) (cis-1,2-dichloroethene, trichloroethene, and vinyl chloride) by U.S. Environmental Protection Agency (EPA) Method 8260C with selected ion monitoring (SIM); and

• Total organic carbon (TOC) by Standard Method (SM) 5310B-00.

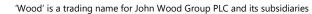
The samples and the analyses conducted on the samples are listed below.

Sample ID	Laboratory Sample ID	Requested Analyses
RGWDUP4-190813	19H0206-01	all
RGW014S-190813	19H0206-02	all
RGW012S-190813	19H0206-03	all
RGW147S-190813	19H0206-04	all
RGW254S-190813	19H0206-05	all
RGW150S-190813	19H0206-06	all
RGW253I-190813	19H0206-07	all
RGW252S-190813	19H0206-08	all
RGW149S-190813	19H0206-09	all
Trip Blank	19H0206-10	VOCs
RGW009S-190814	19H0230-01	all
Trip Blank	19H0230-02	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.

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 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 14 and 15, 2019. 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 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 (%)
RGW014S-190813/	vinyl chloride	365	362	20.0	<1
RGWDUP4-190813	cis-1,2-dichloroethene	143	145	20.0	1

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 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 RPDs were within the control limits

Sample ID/ Field Duplicate ID	Analyte	Primary Result (mg/L)	Duplicate Result (mg/L)	Reporting Limit (mg/L)	RPD (%)
RGW014S-190813/ RGWDUP4-190813	TOC	4.12	4.08	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 numbers 19H0206 and 19H0230 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
RGWDUP4-190813	none
RGW014S-190813	none
RGW012S-190813	none
RGW147S-190813	none
RGW254S-190813	none
RGW150S-190813	none
RGW253I-190813	none
RGW252S-190813	none
RGW149S-190813	none
Trip Blank	none
RGW009S-190814	none
Trip Blank	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: John Long, Project Manager Project:

From: Crystal Thimsen c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: October 11, 2019

Subject: Summary Data Quality Review

August 2019 Boeing Renton Groundwater Sampling

AOC-090

ARI Work Order Number: 19H0197

This memo summarizes the data quality review of 11 primary groundwater samples, one duplicate sample, and a trip blank sample collected on August 12, 2019. 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, 1,1,2-trichloroethane) by U.S. Environmental Protection Agency (EPA) Method 8260C;
- VOCs (vinyl chloride, 1,1-dichloroethene, trichloroethene, tetrachloroethene, 1,1,2,2-tetrachloroethane) by EPA Method 8260C 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); and
- Total organic carbon (TOC) by Standard Method (SM) 5310C.

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGWDUP5-190812	19H0197-01	VOCs and TPH
RGW180S-190812	19H0197-02	VOCs and TPH
RGW179I-190812	19H0197-03	VOCs and TPH
RGW208S-190812	19H0197-04	VOCs and TPH
RGW178S-190812	19H0197-05	VOCs and TPH
RGW177I-190812	19H0197-06	VOCs and TPH
RGW207S-190812	19H0197-07	VOCs and TPH
RGW175I-190812	19H0197-08	VOCs and TPH
RGW176S-190812	19H0197-09	VOCs and TPH

Sample ID	Laboratory Sample ID	Requested Analyses
RGW163I-190812	19H0197-10	VOCs and TPH
RGW189S-190812	19H0197-11	All
RGW165I-190812	19H0197-12	VOCs and TPH
Trip Blank	19H0197-13	VOCs and TPH-G

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 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, 2014a and b).

ARI received the samples on August 13, 2019. The temperatures of the coolers were recorded upon receipt and were less than the maximum acceptable temperature of 6 degrees Celsius (°C). The laboratory noted the following upon sample receipt:

- For sample RGW165I-190812, a bubble was noted in one of seven vials submitted for VOC analysis. The laboratory proceeded with analysis using unaffected vials and sample results were not affected.
- The laboratory noted that three unlabeled vials were submitted. The laboratory was unable to resolve which sample was missing vials. Sample results are not affected and are not qualified.

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

<u>VOCs by EPA 8260C</u>: The recovery for 1,1,2-trichloroethane was above the control limits in the MS performed with sample RGW189S-190812. The recovery in the MSD was acceptable. Due to the acceptable MSD recovery, the result for 1,1,2-trichloroethane in sample RGW189S-190812 was not affected and not qualified.

The recovery for cis-1,2-dichloroethene was above the control limits in the MSD. The recovery in the MS was acceptable. The cis-1,2-dichloroethene result for sample RGW189S-190812 is not qualified based on the acceptable MS result.

<u>VOCs by EPA 8260C SIM</u>: The recovery for 1,1,2,2-tetrachloroethane was above the control limits in the MS/MSD performed with sample RGW189S-190812. The high recovery equates to a potential high bias in the sample; and the 1,1,2,2-tetrachloroethane result in sample RGW189S-190812 was below detection. Therefore, the result for 1,1,2,2-tetrachloroethane in sample RGW189S-190812 was not affected and not qualified.

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 (µg/L)	RPD (%)
RGW180S-190812/	vinyl chloride	48.5	55.3	20.0	NC
RGWDup5-190812	trichloroethene	23.9	21.1	20.0	NC

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 TOC. Laboratory data were evaluated for the following parameters:

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

A field duplicate was not collected for TOC analysis 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 – Acceptable

Overall assessment of data

The completeness of ARI work order numbers 19H0197 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
RGWDUP5-190812	none
RGW180S-190812	none
RGW179I-190812	none
RGW208S-190812	none
RGW178S-190812	none
RGW177I-190812	none
RGW207S-190812	none
RGW175I-190812	none
RGW176S-190812	none
RGW163I-190812	none
RGW189S-190812	none
RGW165I-190812	none
Trip Blank	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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Memo

To: John Long, Project Manager Project: 0088880100.2019

From: Crystal Thimsen c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: October 7, 2019

Subject: Summary Data Quality Review

August 2018 Boeing Renton Groundwater Sampling

Bldg. 4-70

ARI Work Order Number: 19H0210

This memo summarizes the data quality review of two primary groundwater samples and one trip blank sample collected on August 13, 2019. 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, cis-1,2-dichloroethene, and trichloroethene) by U.S. Environmental Protection Agency (EPA) Method 8260C; and

• Total organic carbon (TOC) by Standard Method (SM) 5310C.

Sample ID	Laboratory Sample ID	Requested Analyses
RGW259S-190813	19H0210-01	all
RGW260S-190813	19H0210-02	all
Trip Blank	19H0210-03	VOCs

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 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 August 14, 2019. The temperature of the cooler was recorded upon receipt and was less than the maximum acceptable temperature of 6 degrees Celsius (°C).

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 Acceptable except as noted:
- 5. MS/MSD Extra volume was not submitted with samples to perform MS/MSD analyses. MS/MSD analyses performed with project samples submitted separately met project frequency requirements.
- 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 number 19H0210 is 100 percent. Evaluation of the usefulness of these data is based on EPA guidance documents referenced 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 Result
RGW259S-190813	none
RGW260S-190813	none
Trip Blank	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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Appendix D

APPENDIX D

Summary of Remedial Actions at the Boeing Renton Facility July - September 2019

Boeing Renton Site Renton, Washington

Prepared for:
The Boeing Company
EHS Remediation

Prepared by: CALIBRE Systems, Inc. Project No. K0357000

November 12, 2019

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Acronyms

AOC Area of Concern °Bx degrees brix

bgs below ground surface

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

CALIBRE Systems, Inc.
cfm cubic feet per minute
DAP Diammonium Phosphate

DCA Dichloroethane
DCE Dichloroethene

EDR Engineering Design Report

ERD Enhanced Reductive Dechlorination

ft feet lbs pounds

mg/L milligrams per liter
MgSO4 Magnesium Sulfate
NA not analyzed
NaNO3 Sodium Nitrate
ND non-detect

PCE Tetrachloroethene
PID Photoionization detector
ppbv parts per billion by volume
SVE Soil Vapor Extraction

SWMU Solid Waste Management Unit

TCA Trichloroethane
TCE Trichloroethene

Tech Memo Technical Memorandum

Total Chlorinated Sum of PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, and 1,1-DCA

TPH-G Total Petroleum Hydrocarbons-Gasoline

ug/L micorgrams per liter VC Vinyl Chloride

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 2019 (between July 1 and September 30, 2019). 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;
- Biological treatment to promote Enhanced Reductive Dechlorination (ERD) of volatile organic compounds (VOCs) in groundwater underway at several 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 document describing the remedial approach for *in situ* treatment for benzene in groundwater (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 locations of SWMU-172/174 and Building 4-78/79 within the Facility are shown on Figure 1-1. The locations of the other AOCs and SWMUs where groundwater treatment is ongoing are also included 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 2019. 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

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 stabilization 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 July to September 2019.

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 GAC vessels, each filled with 1,800 pounds of virgin 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. As described below, the lag permanganate drum became plugged during the beginning of 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 photo-ionization detector (PID).

2.1.1 TO-15 Laboratory Analysis of Vapor Samples

No samples for TO-15 analysis were collected during this operating period. Table 2-1 summarizes the TO-15 detections for the SWMU-172/174 SVE system for 15 TO-15 sampling events¹ that have been implemented since system startup.

2.1.2 Summary of Operations and Operational Changes

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.

The soil confirmation samples collected in the second quarter of 2018 identified a location between SVE-2 and SVE-3 which still showed elevated PCE levels in soil. During the third quarter of 2018, the SVE system was 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. Vapor concentrations, measured with a PID, showed some increase for approximately two weeks during that reporting period. Subsequent measurements during the fourth quarter 2018 reporting period showed vapor concentrations reducing to previous low level detections. Therefore, on December 5, 2018 the SVE system was adjusted to alter the flushing pattern around SVE-2 and SVE-3 by using SVE-1 as an inlet vent well with continued extraction from SVE-2 and reopening SVE-3 to extraction.

At the end of the previous quarter (June 20, 2019, second quarter 2019) PID readings showed reduced VOC levels at SVE-2 while SVE-1 remained near 0 ppbv. Systems operation modifications were completed that day (following the collection of samples for TO-15 analysis) to adjust SVE-1 as an inlet vent well with extraction at SVE-2 and SVE-3. The system has continued to operate in this manner during the third quarter 2019. Table 2-2 shows the PID readings for the wells in the SWMU 172/174 SVE system. Table 2-3 shows an operational summary for the system.

A brief summary of key changes/events associated with operation of the SWMU 172/174 SVE system is presented below; specific details are only included for weeks when system changes and modifications were implemented. More details on weekly operations are summarized in Table 2-2 and the operational logs included in Appendix A.

- The SVE system was turned off on August 17, 2019 to reposition the SVE trailer and associated carbon vessels, permanganate drums and hoses to provide access to electrical outlets positioned behind the SVE trailer. The system was restarted August 21, 2019 and at that time, equipment near the SVE trailer was being spray painted. Area background PID measurements ranged from 1.6 ppm to 3.3 ppm near the trailer at this time. The subsequent PID monitoring of the SVE wells and carbon vessels showed unusually high detections (influent at 10.4 ppm), and the elevated detections are believed to be associated with the painting activities at the facility. The PID results for this week were not used in calculating VOC mass removal as they are not representative of PCE mass removal at the site.
- The system was turned off on August 30, 2019 due to an observed airline leak at the connection to
 the influent of the second carbon vessel. The hose was taken in for replacement and re-installed.
 Subsequent PID monitoring showed some rebound in monitoring results compared to the previous
 visit.
- On October 2, 2019 (fourth quarter 2019) the hose between the 2nd carbon vessel and 2nd permanganate drum had a crack near the camlock fitting entering the zeolite/permanganate drum.
 The system was turned off to repair the hose.
- On October 3, 2019 the repaired hose was installed and limited effluent flow was observed from the zeolite/permanganate drum indicating this drum had become plugged. The drum was removed from the treatment system. The first zeolite/permanganate drum remains in place operating

between the two carbon vessels. The zeolite/permanganate drums were originally installed to treat concentrations of vinyl chloride that would not be captured in the GAC vessels. As shown in Table 2-1, no vinyl chloride is present in the inlet to the SVE systems, and therefore permanganate treatment is not needed.

2.1.3 Mass Removal Estimate

Between April 17, 2015 and September 26, 2019 the SWMU-172/174 SVE system has recovered an estimated 18.4 pounds of VOCs (primarily PCE), as shown in Table 2-3. Approximately 1.1 pounds of VOCs were removed during the current reporting period (third quarter 2019) based on PID measurements collected. 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 and Monitoring

In December 2018, Boeing submitted to Ecology a Tech Memo describing the planned approach for further evaluation of soils around probe point PP13 at the Building 4-78/79 area (CALIBRE 2018b). The single sample (PP13) which exceed cleanup standards for TPH-G was collected from a low permeable silty/clay layer. The objective of the soil evaluation is to identify the location and depth of utilities in the immediate area, determine the feasibility of excavating soil by delineating the extent of soil contamination around PP13 and to determine the extent of soil that can be removed.

Additional probe points were sampled in June 2019 and those results showed concentrations of TPH-G exceeding the cleanup level of 30 mg/L to a depth 11.5 ft bgs in certain areas, with the highest detections between 5 to 9 ft bgs. The water table elevation in this area was monitored during July, August, and September 2019 to determine if soil excavation would be feasible; however water table elevations remained near 5 ft bgs during this period therefore any attempt at soil excavation will be postponed until summer/fall 2020.

Modifying the SVE system flow at the SWMU-172/174 area at the end of the second quarter 2019 showed increases in VOC mass removal from the system influent. Subsequent monitoring during third quarter 2019 showed variable vapor concentrations at the SVE-2 and SVE-3 monitoring points. During a number of visits in this operating period paint odors or painting activities were occurring in the area of the SVE system and the observed PID monitoring fluctuations may be associated with those activities. If, during the 4th quarter 2019, concentrations reduce to 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 canister samples for TO-15 analysis will be planned for the 4th Quarter 2019 to monitor if appreciable changes in vapor concentrations have occurred.

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 enhanced reductive dechlorination (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 between December 2014 and March 2019.

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. As a result of any soil excavations being postponed until drier months, additional nitrate/sulfate samples in groundwater may be recommended for the benzene treatment area in the fourth quarter of 2019. Additional nitrate/sulfate injections would be completed following evaluation of those monitoring results.

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 3-1 presents a summary of those groundwater monitoring results, by area, related to groundwater treatment/ERD implementation, with recommendations for additional substrate injections at selected areas.

4.0 Conclusions and Recommendations

SVE operations were modified at the SWMU-172/174 area at the end of the 2nd quarter 2019 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 2nd quarter of 2018. It is recommended that SVE operations be continued for this area, with additional modifications to include opening of SVE-1 and SVE-2 as inlet vents or SVE-1 and SVE-3 as inlet vents to allow focused vapor removal at SVE-2 and SVE-3. In addition, it may be beneficial to operate the SVE system in a pulsed mode to monitor for any VOC rebound in soil vapor.

Groundwater monitoring will continue according to the EDR, with supplemental VOC and TOC sampling at selected wells. Performance monitoring data related to benzene treatment at the Building 4-78/79 area was temporarily delayed in anticipation of possible soil excavations for this area. However, since water table elevations did not drop below the 5 ft to 9 ft bgs impacted zone identified in June 2019, the soil excavation has been postponed until fall of 2020. Therefore, additional nitrate/sulfate and benzene samples are recommended for this area to monitor benzene treatment performance. To date a majority of the wells in this treatment area are at benzene concentrations below baseline results, with many wells at 90% reduction from baseline (Wood 2019). Additional nitrate/sulfate injections will be considered

following evaluation of the data. Substrate injections for ERD treatment will be recommended following the review of the 4th quarter 2019 monitoring results.

5.0 References

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

TABLES

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

SVE System Inlet

SVE System Inlet																
Data	PCE	TCE	cis-1,2- DCE	trans-1,2- DCE	Vinyl Chloride	1 1 1 TCA	1 1 DCA	Acatona	Taluana	m n Vidono	Chlaraform	a Vulana	Dontono	Hexane	Total	Total VOCs
Date						1,1,1-TCA	1,1-DCA	Acetone	Toluene	m,p-Xylene	Chloroform	o-Xylene	Pentane		Chlorinated	
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

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
Dat	te	PCE	TCE	DCE	DCE	Chloride	1,1,1-TCA	1,1-DCA	Acetone	Toluene	m,p-Xylene	Chloroform	o-Xylene	Pentane	Hexane	Chlorinated	VOCs
	8/30/2018	180	14	6.1	NA	ND	NA	NA	NA	NA	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

SVE-3

			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
5/30/2017 - 30 min	540	51	18	ND	ND	14	2.6	ND	2.2	ND	ND	ND	ND	ND	626	628
5/30/2017 - 100 min	200	16	6.5	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND	228	228
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																
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

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

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 1st Quarter 2019.

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
7/2/2019	1,374	Vent	0	440	844		0	Changed blower oil
7/19/2019	1,391	Vent	56	350	148		0	
7/24/2019	1,396	Vent	0	570	385		0	Paint locker door open, PID at door = 13.4 ppm.
8/2/2019	1,405	Vent	373	780	797		0	Paint locker door open, PID at door = 2.0 ppm.
8/6/2019	1,409	Vent	632	918	703		0	
8/16/2019	1,419							System power was turned off; restarted system.
8/21/2019			1,802	5,288	,		800	System was turned off on 8/17/19 to reposistion SVE trailer, carbon vessels, and KMNO4 drums for Boeing access to electrical outlets behind SVE trailer. System turned on 8/21/19. Equipment being spray painted next to SVE trailer. Background PID ranges from 1,600 ppb to 3,300 ppb. Do not intend to use this data as it is not representative of PCE mass removal.
8/27/2019	1,430	Vent	170	804	572		0	5
0/42/2013			251	4 222	4.055		_	System was turned off on 8/30 due to air line leak. Hose taken in for replacement; replacement installed on 9/13/19. Restart system. Readings after 1 hour of
9/13/2019	,		261	1,320			0	operating.
9/26/2019	1,460	vent	0	322	163		0	

Notes:

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

	PID Reading	Corrected Value	System Flow	Cumulative	VOCs removed in Operating Period Between Monitoring	Cumulative VOC Mass Removed Since Start of SVE Operations in April, 2015
Date	(ppbv)	(PCE) (ppbv) ¹	(cfm)	Runtime Hours	Events (lbs) ²	(lbs)
7/2/2019	844	486	98	26,690	0.136	17.43
7/19/2019	148	85	100	27,093	0.083	17.52
7/24/2019	385	222	98	27,205	0.059	17.58
8/2/2019	797	459	100	27,418	0.237	17.81
8/6/2019	703	405	98	27,511	0.090	17.90
8/16/2019 ³	703	405	103	27,663	0.154	18.06
	Not used - spray painting occuring near					
8/21/2019	trailer.	0	98	27,708	0.000	18.06
8/27/2019	572	329	91	27,849	0.103	18.16
9/13/2019	1,083	623	85	27,946	0.126	18.29
9/26/2019	163	94	85	28,248	0.058	18.35

Notes:

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

TO-15 analysis results showed Tetrachloroethene made up 88% of the total VOCs removed at the influent on 6/20/19.

¹ A correction factor of 0.57 has been applied to the PID vapor measurement for VOCs based on the mixture of analytes detected in the TO-15 analysis at the influent sample point from 6/20/19. This number is much higher than the TO-15 results.

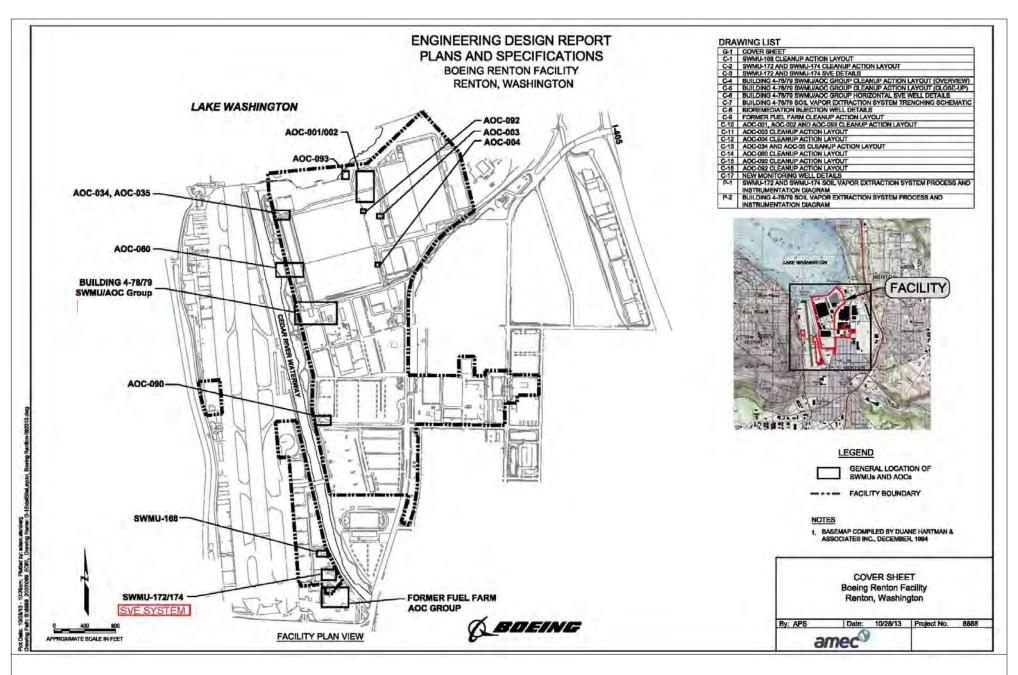
² These are based soley on the PID measurements collected this quarter; the TO-15 analysis indicates much lower mass.

³ Previous weeks influent PID reading used to calculate mass removal if that reading was not collected during the site visit.

Table 3-1 Groundwater Monitoring Results Summary August 2019 and Recommended ERD Treatment

GW Treatment Area	Source and down gradient MWs	CPOC wells	Treatment IWs	ERD Treatment Recommendation
SWMU-172/174	PCE and TCE at or less than 0.2 ug/L; cisDCE less than 0.70 ug/L and VC less than 0.15 ug/L.	All detections are at 0.42 ug/L or less.	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.	Detections are very low and less than 1 ug/L throughout the site. Will consider additional injections if beneficial.
Building 4-78/4-79 SWMU/AOC Group	TCE is ND; cisDCE and VC are less than 1.0 ug/L at all but GW033S with VC at 1.16. One central well (GW033S) continues to show total CVOCs remain reduced from Nov 2017 results of 1,430 ug/L. Recent data show 46 ug/L in Nov 2018, 4.1 ug/L in Mar 2019, 0.94 ug/L in May 2019, and 1.94 ug/L in Aug 2019. Substrate was applied to this area after Mar 2019 sampling. Benzene decreased at source well GW031S (59 ug/L in Mar 2019 to 7.1 ug/L in May 2019 to 4.37 ug/L in Aug 2019). Nitrate/sulfate injected following Mar 2019 sampling.	Most detections are ND; one central well with TCE and cisDCE detections at 1.05 ug/L and 2.20 ug/L, respectively (GW143S). VC detections are less than 0.40 ug/L. Northern well GW237S showed decrease in Benzene from 9.58 ug/L to 2.20 ug/L in May 2019 to 0.43 ug/L in Aug 2019.	Prior data May 2017, 4 of 5 wells with low detections where sum of CVOCs are less than 3 ug/L	Detections are very low throughout the site. Will consider additional injections if beneficial. Additional benzene, nitrate, sulfate samples recommened for benzene treatment area. Nitrate/sulfate injections to be determined following data evaluation.
AOC-001/002	Source MW: TCE is 0.04 ug/L, cisDCE is 0.99 ug/L and VC is 0.12 ug/L. Down gradient wells less than 3.71 ug/L total CVOCs.	All detections below 0.30 ug/L.	Prior data Mar 2018, detections at or below 0.30 ug/L.	Consider injection at infiltration galleries at source (IPRA and IPRB) when area is accessible.
AOC-003	All detections are less than 0.40 ug/L.	All detections are less than 0.55 ug/L.	VC detections less than 0.61 ug/L.	Substrate injection to be considered in conjunction with AOC-001/002.
Lot 20 / former 10-71	Prior Data May 2019: All wells are ND.	-	-	No action at this time.
AOC-60	MW's with detections less than 0.37 ug/L; treatment MWs with total CVOCs less than 5.8 ug/L.	Detections less than 0.15 ug/L.	-	Detections are very low throughout the site. Will consider additional injections if beneficial.
AOC – 90	Treatment MW at source with total CVOCs at 8.9 ug/L total CVOCs (primarily cisDCE) and down from 27 ug/L in Aug 2018; down gradient wells less than 0.57 ug/L total CVOCs.	Detections less than 0.40 ug/L.	-	Detections are very low throughout the site. Will consider additional injections if beneficial.
Apron A	Prior data: Two of three wells ND; other well shows VC at 1.39 ug/L.	-	-	Detections are very low throughout the site. Will consider additional injections if beneficial.
Building 4-70	-	VC is non-detect; TCE and cisDCE detections less than 0.71 ug/L.	-	No action at this time.

FIGURES



CALIBRE Systems, Inc.

Figure 1-1 Site Location/ AOC Outlines

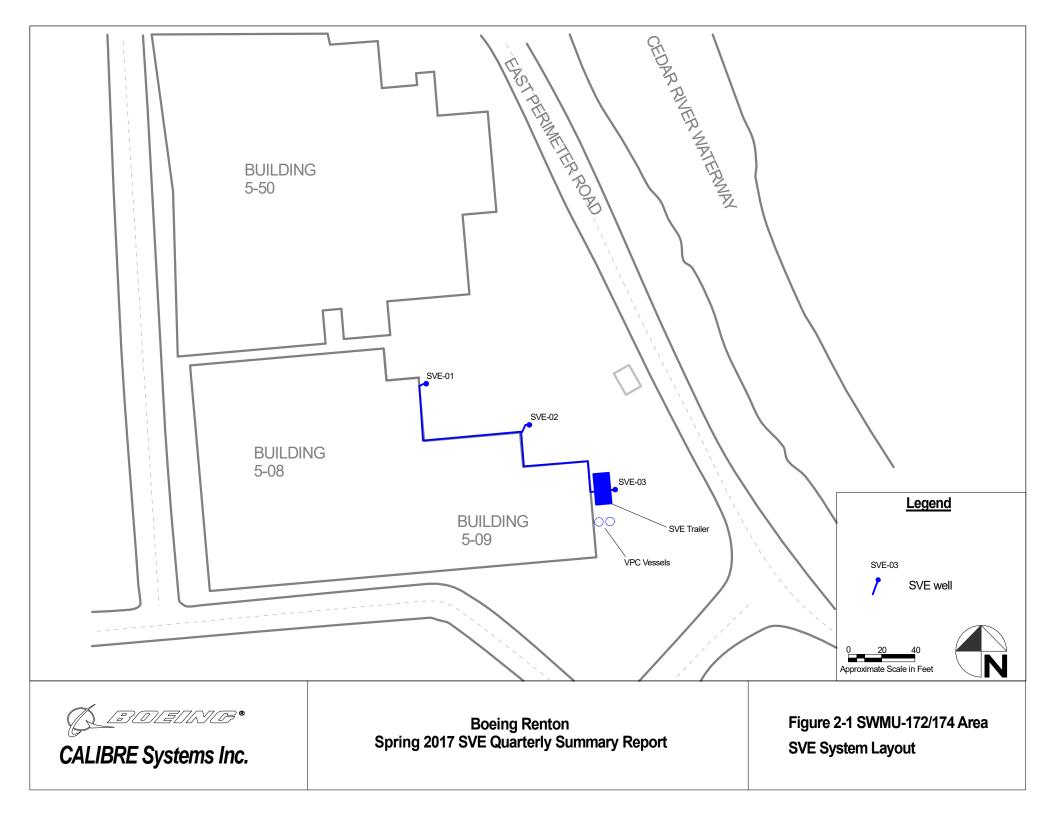
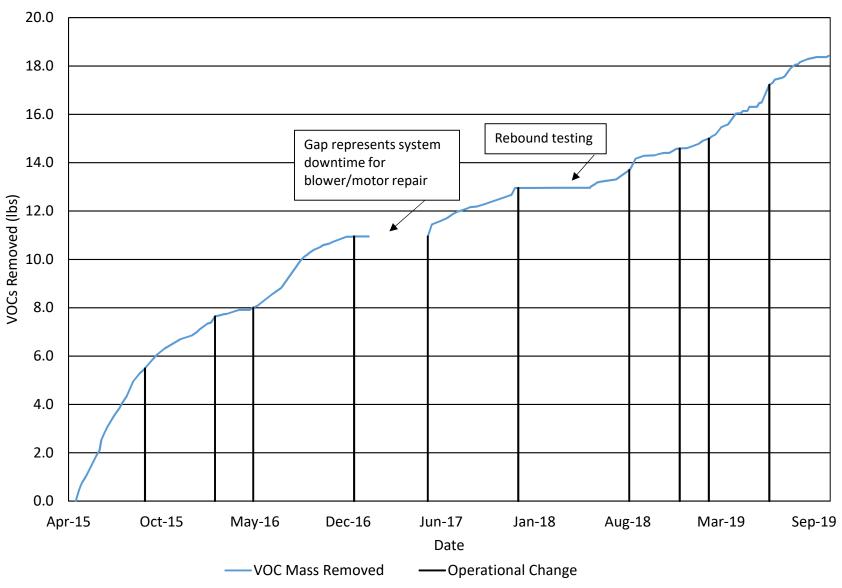


Figure 2-2 Cumulative VOC Mass Removed - SWMU-172/174 SVE System



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

Attachment A: Field Log Forms

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

Inspection Time:		Operational I	Hours:	T L L L		is variable.		
	0650			11,8	80.6	er Notes		
Blower Vacuum gauge	Current						, pol-1411	
vacuum gauge	38"4	20 (1	raina	ed or	1 in 1	ower.		
Pressure gauge	22.6	120						
System flow rate	98 5	Fou						
Blower Temperature	113°F							
Temp.at lag VPC discharge						0.00*		
Other notes: ch	eck oil level,	drive belts, TEFC	motor	fan, any un	usual noise/vii	oration		
PID Model:	PPB RAE	3000		Details:	OPPS		20 ppm	
Calibration time	date:			PID check	after monitor	ing:		
Sampling Point	Time	PID Reading (1)	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate
SVE-01		Vent						
SVE-02	0924	Opple	0,=	طوه				
SVE-03	0932	440 pps	42	عام ه				
VPC Inlet	७५२०	840 ppb	844	1 ppb				
VPC Midpoint								
VPC Outlet	0916	O ppb	0 70	6				
Other vapor point								
1. Flow rate c	alculated from t	he equation Flow Rate	e (cfm) =	$12.24 \times \sqrt{dif}$	ferential pressur	e.		

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

Inspection Time:	1421		or Hours:		toring interval	is variable.		
Blower	Current	Value		, (-		er Notes		
Vacuum gauge	39"4	20						
Pressure gauge	22" 14-	10						
System flow rate	10050	Fra						
Blower Temperature	119°F							
Temp.at lag								
Other notes: che	eck oil level,	drive belts, TEF	C motor	fan, any un	usual noise/vil	oration		
DID M. L.L.				Details:		1		
	BRAE .				c after monitor	9,999	PPP	
Calibration time/			1				Differential	Flow Rate
Sampling Point	Time	PID Reading (1)	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Pressure	Calculated
SVE-01		vent						
SVE-02		45 PAB	56	PPB				
SVE-03		350 ppb	73	X PP				
VPC Inlet		146 ppb		8 ppb				
VPC Midpoint								
VPC Outlet		0 996	UP	pb				
Other vapor point								
Flow rate ca	lculated from t	he equation Flow Re	ate (cfm) =	= $12.24 \times \sqrt{dif}$	ferential pressur	e.		
11 1,100,000,000								
Questions? Call J	ustin Neste	@ (360) 981-56	i06	na forme an	od email to lus	tin Neste [.] Justi	n Neste@calibr	esvs.com
Questions? Call J	ustin Neste of a monito	@ (360) 981-56 pring event scan	06 monitori	ng forms an	d email to Jus	tin Neste: Justi	n.Neste@calibr	esys.con

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

.) Oncor out.	E well, VPC inlet, and Oper	rational Parameters - Monitoring interval is variable.
Inspection Time:		Motor Hours: 12, 395.7
Blower	Current Value	Other Notes
Vacuum gauge	4011420	Paint room doo ppen new SVE-1 PID pends 13.9 ppm renthinging
Pressure gauge	22.,11.19	
System flow rate	98 SEFM	
Blower Temperature	113°F	
Temp.at lag VPC discharge		

Calibration time/	RBRAE S	The second secon	PID check	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		Vent								
SVE-02		OPPH	Oppb							
SVE-03		522 ppb	570 PPB							
VPC Inlet		375 ppb	385 pps							
VPC Midpoint						NA TOTAL PROPERTY OF THE PROPE				
VPC Outlet		0 000	D Pp6							
Other vapor point										

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

Questions? Call Justin Nest At the Completion of a mon	e @ (360) 981-5606 itoring event scan monitoring forms and er	mail to Justin Neste: Justin.Nes	ste@calibresys.com
Signature	Justin Nuste	Signature	7 ZY 19 Date

Field Operations Log Form Date of last inspection: Inspection Date: Periodic systems check: 1) Check flowrate, vacuum, pressure, moisture separator, water storage drums 2) Check each SVE well, VPC inlet, and VPC outlet with PID. Operational Parameters - Monitoring interval is variable. Motor Hours: Inspection Time: 0915 **Other Notes Current Value** Blower Paint Locker open - 1,945 ppb Vacuum gauge Pressure gauge System flow rate Blower Temperature Temp.at lag VPC discharge Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration Details: PID Model: PID check after monitoring Calibration time/ date: 0915 Differential Flow Rate PID Reading **PID Reading** Vacuum Flow Rate Time Sampling Calculated1 (gauge) Pressure (2) (1) Point SVE-01 SVE-02 SVE-03 **VPC** Inlet **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 Neste @ (360) 981-5606 At the Completion of a monitoring event scan monitoring forms and email to Justin Neste: Justin.Neste@calibresys.com Signature Date Printed Name

Renton Cleanup Action SVE System - SWMU 172/174

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

) Check each Svi	Ope	VPC outlet with PID. rational Parameters - Monitor	ing interval is variable),	
Inspection Time:	0820	Motor Hours: 2,70			
Blower	Current Value	, , , , ,	Other Notes	•	
Vacuum gauge	40"1420			1	9
Pressure gauge	20"Hz0				
System flow rate	98 SCFM		1991		
Blower Temperature	113°F				*
Temp.at lag VPC discharge		Its, TEFC motor fan, any unus		9	<u> </u>

PID Model:	PPB R	AE 3000	Details:	OPPL	10.00	PPM	10
Calibration time	date: al.	119 0820	PID chec	k after monitor	ing:	1	4
Sampling Point	Time	PID Reading (1)	PID Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹
SVE-01		Vent					
SVE-02	0905	598 pxb	632776				
SVE-03	0910	941 prb	918 PPb				
VPC Inlet	0900	68/08/	703 ppb				
VPC Midpoint							
VPC Outlet	0855	לקק ט	0.639				
Other vapor point		,					

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

Questions? Call Justin Nest At the Completion of a mon	e @ (360) 981-5606 toring event scan monitoring forms an	d email to Justin Neste: Justin.Neste	e@calibresys.com
Signature	Justin Nuste Printed Name	Signature	S Date

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

Blower Current Value System Power Funds of the Notes Pressure gauge System flow rate Blower Temperature Temp.at lag VPC discharge Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration PID Model: Details: Calibration time/ date: PID Reading Vacuum Flow Rate Differential Flow	Inspection Time:		Moto	r Hours:	1285	toring interval			
Pressure gauge System flow rate Blower Temperature Temp.at lag VPC discharge Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration PID Model: Calibration time/ date: Sampling Point Time PID Reading (1) PID Reading (2) PID Reading (2) SVE-01 SVE-02	M14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Current	Value			Oth	er Notes		
Pressure gauge System flow rate Blower Temperature Temp.at lag VPC discharge Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration PID Model: Calibration time/ date: Sampling Point Time PID Reading (1) PID Reading (2) PID Reading (2) PID Reading (3) PID Reading (2) PID Reading (3) PID Reading (4) Pressure PID Reading (5) PID Reading (6) PID Reading Pressure PID Reading Pressure PID Reading Point PID Reading PID			0 6	ystem	Power 1	sweed off			
Temp.at lag VPC discharge Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration PID Model: Calibration time/ date: PID check after monitoring: Sampling Pin Reading Pin Reading (2) SVE-01 SVE-02		19" H1	<u> </u>	0					
Temp.at lag VPC discharge Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration PID Model: Calibration time/ date: PID check after monitoring: Sampling Pin Reading Pin Reading (2) SVE-01 SVE-02	System flow	10356	em.						
Other notes: check oil level, drive belts, TEFC motor fan, any unusual noise/vibration PID Model: Calibration time/ date: PID check after monitoring: Sampling Pin Reading Pin Reading (2) SVE-01 SVE-02	Blower Temperature	115°F							
Other notes: check oil level, drive belts, TEFC motor ran, any unusual noise/vibration PID Model: Calibration time/ date: PID check after monitoring: Sampling Point Time PID Reading (1) SVE-01 SVE-02 Details: PID check after monitoring: Calcum Flow Rate (gauge) Pressure Calcum							NA - A MA		
Calibration time/ date: PID check after monitoring: PID check after monitoring:	Other notes: che	eck oil level,	, drive belts, TEF	C motor	fan, any un	usual noise/vii	oration		
Calibration time/ date: PID check after monitoring: PID check after monitoring:					Details:				
Sampling Pint PID Reading (2) Vacuum Flow Rate (gauge) Pressure Calcu						after monitor	ina:		
Sampling PiD Reading (2) (2) (2) Pressure Calculum (3) (2) (2) (3) (4) (4) (4) (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	Calibration time/	date:						Differential	Flow Rate
SVE-02		Time		PID		vacuum	The state of the s	and the second of the second	Calculated
	SVE-01								
SVE-03	SVE-02								
	SVE-03								
VPC Inlet	VPC Inlet								
VPC Midpoint	VPC Midpoint								
VPC Outlet	VPC Outlet								
Other vapor point									

Renton Cleanup Action SVE System – SWMU 172/174
Field Operations Log Form

Inspection Time:	0915	Operati	Motor F	lours:	12898	toring interval			
Blower	Current	Value				Oth	er Notes		
Vacuum gauge	MOLA	tzo	Equi	Prem	being !	spray Pain	ted wear t	cociler, Stro	in order of
Pressure gauge	17"4	10	Amb	ient	Backgro	ound = 16	00 - 5,500 7	1	cailer.
System flow rate	100 50	Fm							
Blower Temperature									
Temp.at lag VPC discharge			-		for any time	unual naisa/vil	bration		
Other notes: che	eck oil level,	drive belts	i, TEFC	motor	ran, any uni	usuai fioise/vii	oration		
PID Model: PP	BRAES	3000			Details:	0 ppb 1	1 10.01 P	PM	
Calibration time/	date: 8/2	419 0	915		PID check	after monitor	ing:		
Sampling Point	Time	PID Rea		PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate
SVE-01		Ve							
SVE-02		1,80	2 ppb	1,60	88 pps				
SVE-03		5,00	10 pb	5,2	88 pps				
VPC Inlet		10,35	oppo o	8,7	50 ppb				
VPC Midpoint									
VPC Outlet		800	da	291	O Pap				
Other vapor point									
Flow rate ca	lculated from t	he equation F	low Rate ((cfm) =	$12.24 \times \sqrt{dif}$	ferential pressur	e.		

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

) Check each SVE	e well, vPC lillet, and Opel	VPC outlet with PID. ational Parameters - Monitoring interval is variable.	
Inspection Time:	0830	Motor Hours: 13,039.4	
Blower	Current Value	Other Notes	
Vacuum gauge	38"1400		
Pressure gauge	72"H20		
System flow rate	9 ISCFM		
Blower Temperature	119°F		
Temp.at lag VPC discharge		ts, TEFC motor fan, any unusual noise/vibration	

PID Model:	PPB RA	E 3000	Details:	O ppb	110,01 pp	m				
Calibration time	1 1		PID chec	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		Vent								
SVE-02	0910	170 ppb	123ppb							
SVE-03	0920	189 200	BOHPPH							
VPC Inlet	0855	535 pp	572ppb							
VPC Midpoint		3								
VPC Outlet	p850	0 ppb	2000							
Other vapor point	V									

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

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Signature	Justin Whate Printed Name	Signature	9 27 19 Date

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

		Operat	Motor F			toring interva	i is variable.		
nspection Time:	1020		MOTOL	iouio.	13,1	37.3	her Notes		
Blower Vacuum gauge	Current		-	1. 4	to install	repaired h			1
vacuum gauge	28"14	20	ONSI	te and a	Zunning	, /	1.0 V	nin kning	
Pressure gauge	52"th	eV	OUT	0/07	96		TV=	1.083 1993	PPb
System flow rate	BSSCF	m	IN - 2	1,159 West	2 unning , , , , , , , , , , , , , , , , , , ,		SUE 2:	1,083/993 261/105 PT	5
Blower	130°F	4	NEV 0	JOKE	14		SUE 3 =	1,317 / 1,320	PPS
Temperature Temp.at lag VPC discharge					13,067 88				
Other notes: che	eck oil level	, drive belts	TEFC	motor	fan, any un	usual noise/v	ribration		
					I B. C. St.				
PID Model:	PB RAE 3	000			Details:	2780/1			
Calibration time/	date: 9/13	19 1020				c after monito			
Sampling Point	Time	PID Rea (1)	ding	PID	Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Ra Calculate
SVE-01									
SVE-02									
SVE-03									
VPC Inlet									
VPC Midpoint									
VPC Outlet									
Other vapor point									
point	alculated from t	the equation F	low Rate ((cfm) =	: 12.24 × √ <i>dif</i>	ferential pressi	ure.		

Renton Cleanup Action SVE System – SWMU 172/174 Field Operations Log Form

Check each SVE	- well VPC inlet and	oisture separator, water storage drums VPC outlet with PID. ational Parameters - Monitoring interval is variable.
Inspection Time:	1030	Motor Hours: 13438.5
Blower	Current Value	Other Notes
Vacuum gauge	30"Hz0	
Pressure gauge	60°H20	
System flow rate	35 SCFM	
Blower Temperature	133°F	
Temp.at lag VPC discharge		ts, TEFC motor fan, any unusual noise/vibration

PID Model:	3000	Details:	Details: Oppb /10.01 ppm					
Calibration time/ date: 9 26 19 19 20 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		Vent					110	
SVE-02		O PPb	O PPb					
SVE-03		322 775	299 ppb					
VPC Inlet		163 ppb	159 pps					
VPC Midpoint								
VPC Outlet	1103	0 7 9 5	OPPb					
Other vapor point								

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

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Signature	Justin Wester	Signature	9 Z6 19 Date